

**STATUS REPORT  
FOURTH QUARTER 2018 SAMPLING EVENT  
FF/NN LANDFILL NPL SITE  
Ripon, Wisconsin**

*Prepared for:*

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January 30, 2019

A handwritten signature in black ink, appearing to read 'Michael R. Noel', written in a cursive style.

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Ashley A. Wagner, P.G.  
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Note: Table and Chart numbering used for the full list of tables and charts included in the annual report is maintained in the quarterly reports for consistency.

**1. SITE INFORMATION AND CONTACTS**

CONTRACT SF-92-01

Contract between the Wisconsin Department of Natural Resources (WDNR) and the FF/NN Landfill Group dated August 7, 1992.

SITE NAME/ACTIVITY:

FF/NN Landfill NPL Site  
Ripon, Wisconsin  
Groundwater Monitoring and Corrective Action

WDNR File Ref. No.: 02-20-000915

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January 30, 2019

**2. FIELD ACTIVITIES THIS REPORTING PERIOD**

- In accordance with the revised groundwater monitoring program as outlined in the April 18, 2013 conditional approval letter (as amended on June 8, 2017) (Attachment E) from the Wisconsin Department of Natural Resources (WDNR) groundwater elevations were measured at 15 monitoring wells by Tetra Tech on October 31, 2018. Groundwater elevations were measured in two Layer 1 wells, one Layer 2 well, nine Layer 3 wells, and 3 Layer 4 wells. The Layer 3 water levels were collected to evaluate the groundwater flow direction in Layer 3. Water levels in Layer 4 wells were collected to evaluate groundwater flow direction in Layer 4. The water levels were measured consecutively to minimize effects from municipal pumping.
- A total of 15 monitoring wells were sampled for volatile organic compounds (VOCs) by Tetra Tech during the Fourth Quarter 2018 event. One duplicate sample was collected for quality control. The revised groundwater monitoring program as outlined in the April 18, 2013 conditional approval letter (as amended on June 8, 2017) (Attachment E) from the Wisconsin Department of Natural Resources (WDNR) was followed for this sampling event. Samples were collected from the wells listed as semi-annual in the WDNR conditional approval letter.
- Jeremy Jess, from the City of Ripon, conducted biweekly landfill gas monitoring of the extraction system exhaust, vent GV-6, probe GP-1 and wells LC-1, LC-2 and LC-3 for this quarterly report.
- Currently, we are unable to contact the on-site blower modem remotely to adjust the runtime. Century Link (the local telephone service provider) came out to the site on and determined that the phone line itself is functioning and replaced the phone line cord. The modem manufacturer is sending a loaner modem to be installed while the Site's modem is diagnosed and repaired.
- The gas monitoring results over the last seven months at leachate well LC-1 suggest that a leak may exist. McKala Kiessling, from the City of Ripon, performed a leak test using soapy water the week of August 20, 2018. No leaks were discovered through this method.
- A vertical profile of gas measurements (oxygen, carbon dioxide and methane) was obtained by extending graduated tubing connected to a landfill gas meter down the well casing and collecting measurements at various depths by Tetra Tech on December 7, 2018.

### 3. RESULTS OF FIELD ACTIVITIES

#### 3.1. Groundwater Monitoring Event – Groundwater Elevations

The groundwater monitoring wells located at the FF/NN Landfill are grouped into four layers based on well screen elevations to better evaluate groundwater quality at discrete depth intervals. Attachment A contains a table showing the wells for each of the four layers.

For the Fourth Quarter 2018 sampling event, groundwater elevations were measured in 15 monitoring wells by Ashley Wagner from Tetra Tech on October 31, 2018. Groundwater elevations were measured in two Layer 1 wells, one Layer 2 well, nine Layer 3 wells, and 3 Layer 4 wells. Measurements of at least 3 wells per layer are needed to evaluate groundwater flow direction; therefore, groundwater flow was not evaluated in Layers 1 and 2. The Layer 3 water levels were measured to evaluate the groundwater flow direction in Layer 3. Water levels in Layer 4 wells were measured to evaluate groundwater flow in Layer 4. The groundwater elevations were measured consecutively to limit potential effects from municipal pumping. The elevations are provided in Table 1 and shown on Figures 3 and 4. Each layer is discussed separately below.

Groundwater elevations in all 28 monitoring wells are measured annually, and groundwater flow directions are evaluated in all Layers, during the April sampling event.

##### 3.1.1. Layer 3 Wells – Piezometers in Sandstone Bedrock

Layer 3 contains nine wells with screen elevations ranging from 634 feet to 704 feet MSL. Monitoring wells P-117 and P-118 are grouped within this layer. The groundwater potentiometric surface for this layer is displayed on Figure 3 and Chart 3. Compared to the Fourth Quarter 2017 event, the water level elevations that were measured increased in all the wells that have historical data. The water level elevations increased an average of 1.15 feet ranging from 0.98 feet in P-103D to 1.56 feet in P-116.

Historically, the groundwater flow direction in this layer has been to the southwest and becomes west-southwest further downgradient. The Fourth Quarter 2018 groundwater flow direction is consistent with the historical results. Monitoring well P-118 is the furthest downgradient Layer 3 monitoring well.

##### 3.1.2. Layer 4 Wells – Piezometers in Sandstone or Granitic Bedrock

Layer 4 contains three wells with screen elevations ranging from 505 feet to 570 feet MSL. The three wells in this grouping are located 375 to 2300 feet downgradient of the landfill. The groundwater potentiometric surface for this layer is displayed on Figure 4 and Chart 4. Compared to the Fourth Quarter 2017 event, the water level elevations increased in all the wells; P-107D by 1.71 feet, P-113A by 2.12 feet, and MW-3A by 1.16 feet.

When pumping at the City of Ripon Municipal Well # 9 was terminated in May 2007, the flow direction in Layer 4 shifted from the southeast to the west. The City brought Well # 9 back on line in April 2010. The City of Ripon occasionally does not pump from Well #9,

which influences the groundwater flow direction in Layer 4. The Fourth Quarter 2018 groundwater flow direction was to the southeast indicating that Well #9 was likely pumping at the time of measurements. The City of Ripon confirmed water was being pumped from Well #9 on October 31, 2018.

### **3.2. Groundwater Monitoring Event - Monitoring Well Sampling**

The revised groundwater monitoring program as outlined in the April 18, 2013 conditional approval letter (as amended on June 8, 2017) from WDNR was followed for this sampling event. Samples designated as semi-annual in the April 18, 2013 approval letter, as amended, were collected during the Fourth Quarter sampling event.

The groundwater samples were analyzed by CT Laboratories for VOCs using Environmental Protection Agency (EPA) Method 8260C to achieve lower detection limits as requested by the WDNR. It should be noted that because of the change in the analytical method to attain lower detection limits, some additional compounds have been detected compared to past results; however, none of these additional compounds were detected at levels exceeding groundwater quality standards. Groundwater data from this sampling event was submitted to the WDNR on January 3, 2019 to be uploaded by WDNR personnel to the State of Wisconsin Groundwater and Environmental Monitoring System (GEMS) database.

Analytical results and field forms for the Fourth Quarter 2018 event are provided in Attachments B and C, respectively. The VOC analytical results for the monitoring wells are tabulated in Table 2. The temporal trends of chlorinated VOC concentrations in wells sampled during this event are provided in attached charts.

Natural attenuation parameters were measured on water removed from selected wells as identified in the April 18, 2013 conditional approval letter, as amended, from WDNR during the Fourth Quarter 2018 sampling event. Dissolved oxygen (DO), oxygen-reduction potential (ORP), temperature, pH and conductivity were measured using a QED MP20 MicroPurge Flow Cell Meter. Iron II was measured in the field using Parachem Reagents (Ferrous Iron Reagent pillow powders, Method 8008) for colorimetry analysis using a Hach DR900 multi-parameter colorimeter. Historic and current natural attenuation parameters are presented in Table 3.

The contaminants of concern (COCs) at the Site are trichloroethylene (TCE) and its dechlorination byproducts, cis-1,2-dichloroethene (1,2-DCE) and vinyl chloride (VC). VC is the only compound detected at concentrations that exceed the Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES). The ES for VC is 0.2 micrograms per liter (ug/L). The following sections present a summary of the Fourth Quarter 2018 VOC analytical results as they relate to groundwater standards for each well that was sampled. To better track impacts at various depths, the results are organized according to the four stratigraphic groupings of wells as presented in Attachment A.

**3.2.1. Layer 1 Wells – Water Table Wells in Unconsolidated Sand & Gravel**

- MW-103 (Chart 38):
  - TCE was detected at a concentration of 1.4 ug/L, which is below its ES of 5.0 ug/L.
  - 1,2-DCE was detected at a concentration of 0.24 ug/L, which is below its ES of 70 ug/L.
  - The TCE and 1,2-DCE concentration trends have been decreasing since the startup of the active gas control system in 2006.
  - Other non-COCs detected include the following:
    - Acetone was detected at a concentration of 0.43 ug/L, which is below its ES of 1,000 ug/L.
    - Trans-1,2-DCE was detected at a concentration of 0.045 ug/L, which is below its ES of 20 ug/L.
    - Chloromethane was detected at a concentration of 0.049 ug/L, which is below its ES of 3.0 ug/L; chloromethane was also detected in the method blank, indicating its presence in the sample is a laboratory artifact.
    - Tetrachloroethene (PCE) was detected at a concentration of 0.27 ug/L, which is below its ES of 5.0 ug/L.
  
- MW-112 (Chart 44):
  - 1,2-DCE was detected at a concentration of 0.21 ug/L, which is below its ES.
  - VC was detected at a concentration of 0.024 ug/L, which is below its ES of 0.2 ug/L.
  - TCE was detected at a concentration of 0.86 ug/L, which is below its ES.
  - COC concentration trends have been decreasing since the startup of the active gas control system in 2006.
  - Other non-COCs detected include the following:
    - Acetone was detected at a concentration of 0.80 ug/L, which is below its ES.
    - Chlorobenzene was detected at a concentration of 0.12 ug/L, there is no ES established for chlorobenzene.
    - Chloromethane was detected at a concentration of 0.069 ug/L, which is below its ES; chloromethane was detected in the associated method blank, indicating its presence in the sample is a laboratory artifact.
    - PCE was detected at a concentration of 0.19 ug/L, which is below its ES.

**3.2.2. Layer 2 Wells – Piezometers in Unconsolidated Sand & Silt**

- P-103 (Chart 47)
  - VC was detected at a concentration of 0.042 ug/L, which is below its ES.
  - Because of the lower laboratory method detection limit, this is the first time VC has been detected in this well since 2012.



- Other non-COCs detected include the following:
  - Chloromethane was detected at a concentration of 0.090 ug/L, which is below its ES; chloromethane was detected in the associated method blank, indicating its presence in the sample is a laboratory artifact.

### **3.2.3. Layer 3 Wells – Piezometers in Sandstone Bedrock**

- P-103D (Chart 53):
  - 1,2-DCE was detected at a concentration of 0.32 ug/L, which is below its ES.
  - VC was detected at a concentration of 0.27 ug/L, which exceeds its ES.
  - TCE was detected at a concentration of 0.086 ug/L, which is below its ES.
  - The 1,2-DCE concentration trend appears to be increasing, while the VC concentration has been decreasing since the startup of the active gas control system in 2006. Because of the lower laboratory method detection limit, this is the third time TCE has been detected in samples collected from this well since before startup of the active gas control system in 2006.
  - Other non-COCs detected include the following:
    - Acetone was detected at a concentration of 0.37 ug/L, which is below its ES.
    - Benzene was detected at a concentration of 0.031ug/L, which is below its ES of 5.0 ug/L.
    - Chloromethane was detected at a concentration of 0.10 ug/L, which is below its ES; chloromethane was detected in the associated method blank, indicating its presence in the sample is a laboratory artifact.
  
- P-111D (Chart 54):
  - VC was detected at a concentration of 4.6 ug/L, which exceeds its ES.
  - 1,2-DCE was detected at a concentration of 2.9 ug/L, which is below its ES.
  - The VC concentration trend has been decreasing, while 1,2-DCE concentration trend has been increasing, since the startup of the active gas control system in 2006.
  - Other non-COCs detected include the following:
    - Acetone was detected at a concentration of 0.46 ug/L, which is below its ES.
    - Chloroethane was detected at a concentration of 0.99 ug/L, which is below its ES of 400 ug/L.
    - Chloromethane was detected at a concentration of 0.11 ug/L, which is below its ES; chloromethane was detected in the associated method blank, indicating its presence in the sample is a laboratory artifact.

- MW-3B (Chart 55):
  - VC was detected at a concentration of 0.053 ug/L which is below its ES.
  - No COCs have been detected since the startup of the active gas control system in 2006, except for VC, which was detected at concentrations greater than its ES in 2008 and below its ES in 2018.
  - Other non-COCs detected include the following:
    - Acetone was detected at a concentration of 0.58 ug/L, which is below its ES; acetone was detected in the associated method blank, indicating its presence in the sample is a laboratory artifact.
    - Chloromethane was detected at a concentration of 0.17 ug/L, which is below its ES; chloromethane was detected in the associated method blank, indicating its presence in the sample is a laboratory artifact.
  
- P-113B:
  - No detection of any COC.
  - No COCs have ever been detected in this well (installed in 2002).
  - Other non-COCs detected include the following:
    - Acetone was detected at a concentration of 0.47 ug/L, which is below its ES; acetone was detected in the associated method blank, indicating its presence in the sample is a laboratory artifact.
    - Chloromethane was detected at a concentration of 0.12 ug/L, which is below its ES; chloromethane was detected in the associated method blank, indicating its presence in the sample is a laboratory artifact.
  
- P-114 (Chart 57):
  - VC was detected at a concentration of 6.1 ug/L (6.5 ug/L in duplicate sample), which exceeds its ES.
  - 1,2-DCE was detected at a concentration of 1.5 ug/L (1.6 ug/L in duplicate sample), which is below its ES.
  - The VC concentration trend has decreased since the startup of the active gas control system in 2006 and has been relatively stable since 2011. The 1,2-DCE concentration trend has been stable since the startup of the active gas control system in 2006.
  - Other non-COCs detected include the following:
    - Chloroethane was detected in the duplicate sample at a concentration of 0.33 ug/L, which is below its ES.
    - Acetone was detected at a concentration of 0.61 ug/L, which is below its ES; acetone was detected in the associated method blank.
    - Chloromethane was detected in the duplicate sample at a concentration of 0.047 ug/L, which is below its ES; chloromethane was detected in the associated method blank for the duplicate sample only, indicating its presence in the sample is a laboratory artifact.

- P-115 (Chart 58):
  - VC was detected at a concentration of 1.0 ug/L, which exceeds its ES.
  - 1,2-DCE was detected at an estimated concentration of 0.15 ug/L, which is below its ES. Because of the lower detection limit, this is the third time 1,2-DCE has been detected in samples collected from this well since it was installed in 2001.
  - The VC concentration trend appears to be increasing since the startup of the active gas control in 2006 but has been relatively stable since 2010.
  - Other non-COCs detected include the following:
    - Acetone was detected at a concentration of 0.40 ug/L, which is below its ES; acetone was detected in the associated method blank.
    - Chloromethane was detected at a concentration of 0.040 ug/L, which is below its ES; chloromethane was detected in the associated method blank, indicating its presence in the sample is a laboratory artifact.
  
- P-116:
  - No detection of any COC.
  - No COCs have ever been detected in this well (installed in 2001).
  - Other non-COCs detected include the following:
    - Acetone was detected at a concentration of 0.41 ug/L, which is below its ES; acetone was detected in the associated method blank.
    - Chloromethane was detected at a concentration of 0.071 ug/L, which is below its ES; chloromethane was detected in the associated method blank, indicating its presence in the sample is a laboratory artifact.
  
- P-117 (Chart 60):
  - VC was detected at a concentration of 1.3 ug/L, which exceeds its ES.
  - 1,2-DCE was detected at a concentration of 0.86 ug/L, which is below its ES.
  - TCE was detected at a concentration of 0.076 ug/L, which is below its ES.
  - This well was installed in November 2016, and the Fourth Quarter 2018 results are similar to the previous quarterly results.
  - Other non-COCs detected include the following:
    - Acetone was detected at a concentration of 0.33 ug/L, which is below its ES.
    - Chloroethane was detected at a concentration of 0.36 ug/L, which is below its ES.
    - Chloromethane was detected at a concentration of 0.065 ug/L, which is below its ES; chloromethane was detected in the associated method blank, indicating its presence in the sample is a laboratory artifact.

P-117 VC Results

| Sample Date | Result Value | Result Unit |
|-------------|--------------|-------------|
| 10/31/18    | 1.3          | ug/L        |
| 08/02/18    | 1.2          | ug/L        |
| 06/05/18    | 1.4          | ug/L        |
| 03/21/18    | .89          | ug/L        |
| 03/21/18    | 1            | ug/L        |
| 10/18/17    | 1.4          | ug/L        |
| 07/14/17    | 1.4          | ug/L        |
| 04/06/17    | 1.5          | ug/L        |
| 01/20/17    | 1.4          | ug/L        |

Confirmation  
after detection  
limit was lowered  
so it meets PAL.

- P-118:
  - VC was detected at a concentration of 0.036 ug/L, which is below its ES.
  - This is the second time that any COC has ever been detected in this well. This is the fifth time this well has been sampled since it was installed in August 2017.
  - Other non-COCs detected include the following:
    - Chloromethane was detected at a concentration of 0.062 ug/L, which is below its ES; chloromethane was detected in the associated method blank, indicating its presence in the sample is a laboratory artifact.

### 3.2.4. Layer 4 Wells – Piezometers in Sandstone or Granitic Bedrock

- MW-3A:
  - No detection of any COC.
  - No COCs have ever been detected in this well (installed in 2002).
  - Other non-COCs detected include the following:
    - Chloromethane was detected at a concentration of 0.058 ug/L, which is below its ES; chloromethane was detected in the associated method blank, indicating its presence in the sample is a laboratory artifact.
- P-107D (Chart 63):
  - VC was detected at a concentration of 6.5 ug/L, which exceeds its ES.
  - 1,2-DCE was detected at a concentration of 2.6 ug/L, which is below its ES.
  - TCE was detected at a concentration of 0.18 ug/L, which is below its ES.
  - The VC concentration trend has been decreasing, while 1,2-DCE has remained relatively stable since the startup of the active gas control in 2006.
  - Other non-COCs detected include the following:
    - Chloroethane was detected at a concentration of 0.35 ug/L, which is below its ES.
    - Chloromethane was detected at a concentration of 0.12 ug/L, which is below its ES; chloromethane was detected in the associated method blank, indicating its presence in the sample is a laboratory artifact.
    - Tetrahydrofuran was detected at a concentration of 0.96 ug/L, which is below its ES of 50 ug/L.
- P-113A:
  - No detection of any COC.
  - No COCs have ever been detected in this well (installed in 2002).
  - Other non-COCs detected include the following:
    - Acetone was detected at a concentration of 0.32 ug/L, which is below its ES.
    - Chloromethane was detected at a concentration of 0.051 ug/L, which is below its ES; chloromethane was detected in the associated

method blank, indicating its presence in the sample is a laboratory artifact.

### **3.2.5. Natural Attenuation Parameters**

Both TCE and 1,2-DCE have reductively dechlorinated under anaerobic conditions to the byproduct VC. Because VC is the sole remaining contaminant of concern exceeding the ES and because VC reduction is most commonly an aerobic process via direct oxidation, monitored natural attenuation (MNA) parameters were measured to evaluate whether oxidative conditions exist in the groundwater. Based on EPA guidance (Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Groundwater 1998), iron II was measured as indirect evidence of natural attenuation in aerobic environments. The results of the MNA sampling are shown on Table 3 and continue to indicate that the aquifer is marginally aerobic. Where present, VC concentrations show either stable or declining trends confirming that natural attenuation is occurring.

### **3.3. Groundwater Monitoring Event – Private Drinking Water Well Sampling**

Historically, samples have been collected from eight private drinking water wells. The Miller and Altnau private wells were abandoned in November 2002. The Ehster, Wiese, and Hadel private wells were converted into monitoring wells P-114, P-115, and P-116, respectively, and continue to be sampled as monitoring wells (Section 3.1.3). The Gaastra and Perry wells were disconnected from each homes internal water piping and now just supply the outside faucets. The WDNR determined that the Gaastra and Perry private water supply wells were not appropriate for groundwater monitoring because the long open intervals did not meet the monitoring well screen specification requirements of NR 141.09 (well screens no longer than 5 feet for piezometers); therefore, these well are no longer sampled. The Rohde well is the only private drinking water well currently sampled and is sampled annually during the second quarter (April-June).

### **3.4. Interim LF Gas Extraction System Performance Monitoring**

Results of the landfill gas monitoring are presented in Table 6.

Current gas extraction is from shallow vent GV-6 and the three deep leachate wells (LC-1, LC-2 and LC-3). The other vents have remained closed to prevent oxygen levels from increasing above 5%.

Currently, we are unable to contact the on-site blower modem remotely to adjust the runtime. The on-site blower runtime cannot be adjusted manually on-Site; the blower can only be turned on and off manually. We have been working with Jeremy Jess from the City of Ripon to troubleshoot the modem connection issue. When the modem is contacted remotely by a hard wire telephone call, various error messages are received without the call going through. Century Link (the local telephone service provider) came out to the site on December 20, 2018, and determined that the phone line itself is functioning, but that the phone line cord to the blower modem would not conduct a signal. Century Link was able to replace the phone line cord, which will have to be buried in the spring. After those changes were made, the phone would ring normally, but we were still unable to connect to

## SECTION 4

the blower modem. Chemviron, who provided the treatment system trailer and installed the modem, was contacted on December 20, 2018 and was able to determine on their end that the modem was not responding. Tetra Tech is working with Chemviron to obtain a loaner modem from the manufacturer, EOS, with the Site files installed onto it for easy replacement at the site. The current modem will be sent back to the manufacturer for diagnosis and repairs. Once repaired, the original modem will be returned and reinstalled at the Site.

The gas monitoring results over the last seven months at leachate well LC-1 suggest that a leak may exist. The measured levels of oxygen (16-20.6%), methane (1.4-5.3%) and carbon dioxide (1.4-4.6%) at the well are similar to ambient air (oxygen 20.9%, methane 0% and carbon dioxide 0.04%). The blower runtime has been adjusted several times to improve capture of the landfill gases at LC-1, but these attempts were unsuccessful. McKala Kiessling, from the City of Ripon, checked for leaks at LC-1 the week of August 20, 2018. With the blower on, soapy water was applied to the outside of all above grade portions of the well and its fittings to check for air leaks. No leaks were discovered through this method.

On Friday December 7, 2018, Tetra Tech staff (Ashley Wagner and Dan Morgan) further evaluated the possible leak at LC-1. A vertical profile of gas measurements (oxygen, carbon dioxide and methane) was obtained by extending graduated tubing connected to a landfill gas meter down the well casing and collecting measurements at various depths. The following table are the readings that were obtained at LC-1 and at LC-2 for comparison.

| Depth Below Top of Casing (Feet) | Depth Below Ground Surface (Feet) | LC-1            |                    |            | LC-2            |                    |            |
|----------------------------------|-----------------------------------|-----------------|--------------------|------------|-----------------|--------------------|------------|
|                                  |                                   | Methane (% LEL) | Carbon Dioxide (%) | Oxygen (%) | Methane (% LEL) | Carbon Dioxide (%) | Oxygen (%) |
| 1                                | +2                                | 0               | 0                  | 20.9       | 0               | 0                  | 20.9       |
| 2                                | +1                                | 1               | 0                  | 20.9       | 11              | 0.2                | 20.9       |
| 3                                | 0                                 | 5               | 0.2                | 20.9       | 27              | 0.8                | 20.9       |
| 4                                | -1                                | 28              | 1.4                | 20.6       | 29              | 1                  | 20.9       |
| 5                                | -2                                | 36              | 1.6                | 19.9       | 36              | 1.2                | 20.9       |
| 10                               | -7                                | 52              | 2.4                | 19.3       | 56              | 1.8                | 20         |

At LC-1 the results show ambient air concentrations in the upper 3 feet and then an increase in methane and carbon dioxide concentrations and a decrease in oxygen concentration at 4 feet below the top of the casing (approximately 1 foot below ground surface). The LC-2 results do not show ambient air concentrations in the casing. Based on these results, we believe there is damage to the LC-1 well casing within 1 foot of the ground surface allowing ambient air to enter in the well, as indicated by the lack of methane and ambient air oxygen

levels at 3 feet below the top of the casing. Additional monitoring is necessary to determine if the changes in concentrations are from a potential leak or related to temperature (monitoring since this report was developed indicates the changes may be related to outside air temperature).

There were no gas samples collected during this reporting period per the changes in the monitoring plan dated April 18, 2013.

Monitoring of the atmosphere in the gas probes and wells outside the limits of fill indicate that the gas extraction system has controlled gas migration from the fill area since its startup in March 2006. Methane in the gas concentrations in all wells and gas probes beyond the landfill limits have been consistently below the methane lower explosive limit (LEL; 5.0%).

#### **4. UPCOMING ACTIVITIES PLANNED**

- Quarterly groundwater sampling and water level measurements will be conducted during the First Quarter 2019 in accordance with the monitoring program outlined in the April 18, 2013 conditional approval letter, conditional approval letter (as amended on June 8, 2017) from WDNR. Samples will be collected from wells designated as quarterly.
- Jeremy Jess, from the City of Ripon will conduct biweekly landfill gas monitoring of the extraction system vents and wells.
- Continue to evaluate gas concentrations at LC-1 to determine whether changes are related to a leak or outside air temperatures.
- Install new blower modem at site.
- Evaluate monitoring program and recommend adjustments to the WDNR.

**5. PERSONNEL**

Mr. Michael Noel is the Project Manager and Principal Hydrogeologist. Ms. Ashley Wagner is the Senior Project Geologist who oversaw the field activities. The laboratory analyses for the Fourth Quarter 2018 groundwater samples were completed by CT Laboratories in Baraboo, Wisconsin.



## **TABLES**

**Table 1 - Groundwater Elevations  
FF/NN Landfill  
Ripon, WI**

| Well Name | Previous TOC Elevation | 2018 TOC Elevation | Jun-93  | Oct-93 | Apr-94 | Oct-96 | May-97 | Oct-97 | Apr-98 | Oct-98 | Oct-99 | May-00 | Oct-00 |
|-----------|------------------------|--------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MW-101    | 884.80                 | 884.73             | 826.56  | 824.20 | 824.04 | 823.41 | 824.34 |        |        | 822.08 | 823.17 |        |        |
| P-101     | 885.26                 | 885.39             | 826.52  | 824.24 | 824.02 | 823.38 | 824.33 | 823.00 | 820.24 | 822.04 | 823.16 | 822.73 | 822.66 |
| MW-102    | 843.05                 | 842.90             | 826.83  | 825.35 | 824.29 | 823.57 | 824.67 | 823.26 |        |        | 823.52 | 823.17 | 823.19 |
| P-102     | 842.99                 | 842.85             | 826.89  | 824.40 | 824.35 | 823.64 | 824.75 | 823.38 | 820.77 | 822.47 | 823.63 | 823.25 |        |
| MW-103    | 872.42                 | 872.30             | 823.08  | 821.77 | 819.49 | 820.56 |        |        | 819.22 |        |        |        |        |
| P-103     | 872.92                 | 872.74             | 826.29  | 826.88 | 823.88 | 817.43 | 824.16 | 822.89 | 820.25 | 821.96 | 823.11 | 822.70 | 822.60 |
| P-103D    | 873.08                 | 872.91             | (Installed December 2003)                           |        |        |        |        |        |        |        |        |        |        |
| MW-104    | 875.15                 | 875.20             | 826.32  | 824.12 | 824.02 | 823.14 | 824.13 |        | 820.13 | 823.87 |        |        |        |
| P-104     | 875.48                 | 875.40             | 826.47  | 824.25 | 824.12 | 823.26 | 824.24 | 822.92 | 820.25 | 822.06 | 823.18 | 822.70 | 822.64 |
| MW-106    | 878.90                 | 878.75             | 826.67  | 824.21 | 824.24 | 820.96 | 824.61 | 823.23 |        | 822.42 | 823.45 | 823.10 | 822.96 |
| P-106     | 878.91                 | 878.80             | 826.63  | 824.09 | 824.07 | 823.42 | 824.51 | 823.16 | 820.40 | 822.33 | 823.38 | 823.02 | 822.89 |
| MW-107    | 871.78                 | 871.69             | 821.02  | 820.52 | 818.76 | 819.17 | 819.22 |        | 817.04 | 818.70 | 819.68 |        |        |
| P-107     | 871.38                 | 871.33             | 820.86  | 820.37 | 818.78 | 819.07 | 819.24 | 818.38 | 817.14 | 818.72 | 819.71 | 818.62 | 818.62 |
| P-107D    | 871.98                 | 871.90             |   |        | 819.13 | 817.47 | 819.52 | 818.29 | 816.77 | 817.56 | 817.78 | 817.34 | 818.10 |
| MW-108    | 845.25                 | 845.08             |   | 819.00 | 817.85 | 818.17 | 818.31 |        |        |        | 818.48 | 817.49 |        |
| P-108     | 845.61                 | 845.48             |   | 822.03 | 821.09 | 821.29 | 821.52 | 820.55 | 818.77 | 820.25 | 821.18 | 820.25 | 820.45 |
| MW-111    | 856.46                 | 856.09             |   |        | 817.58 | 817.93 | 818.10 | 817.29 | 816.29 | 817.33 | 818.30 | 817.28 | 817.32 |
| P-111     | 856.13                 | 856.28             |   |        | 817.09 | 817.43 | 817.60 | 816.78 | 815.75 | 816.85 | 817.83 | 816.79 | 816.83 |
| P-111D    | 855.79                 | 855.56             | (Installed April 2002)                              |        |        |        |        |        |        |        |        |        |        |
| MW-112    | 874.55                 | 874.70             |   |        |        | 819.46 | 819.92 | 819.02 |        | 819.15 | 820.02 | 819.20 | 819.21 |
| P-113A    | 833.09                 | 833.16             | (Installed September 2002)                          |        |        |        |        |        |        |        |        |        |        |
| P-113B    | 833.10                 | 833.16             | (Installed September 2002)                          |        |        |        |        |        |        |        |        |        |        |
| P-114     | 839.35                 | 839.36             | (Private well converted to monitoring well in 2003) |        |        |        |        |        |        |        |        |        |        |
| P-115     | 842.71                 | 842.67             | (Private well converted to monitoring well in 2004) |        |        |        |        |        |        |        |        |        |        |
| P-116     | 845.34                 | 845.86             | (Private well converted to monitoring well in 2004) |        |        |        |        |        |        |        |        |        |        |
| P-117     | 834.02                 | 833.96             | (Installed November 2016)                           |        |        |        |        |        |        |        |        |        |        |
| P-118     | 826.93                 | 826.74             | (Installed August 2017)                             |        |        |        |        |        |        |        |        |        |        |
| MW-3A     | 850.77                 | 850.60             | (Water levels taken beginning February 2002)        |        |        |        |        |        |        |        |        |        |        |
| MW-3B     | 851.04                 | 850.89             | (Water levels taken beginning February 2002)        |        |        |        |        |        |        |        |        |        |        |
|           |                        |                    |   |        |        |        |        |        |        |        |        |        |        |
|           |                        |                    |   |        |        |        |        |        |        |        |        |        |        |
| LC1       | 876.15                 | 876.15             |   |        |        | 849.02 | 847.87 | 846.99 | 846.82 | 846.56 |        | 846.27 |        |
| LC2       | 866.05                 | 866.05             |   |        |        | 847.25 | 842.91 | 841.20 | 840.61 | 838.31 | 839.29 | 839.17 | 839.28 |
| LC3       | 877.34                 | 877.34             |   |        |        |        | 845.69 |        |        |        |        | 845.82 |        |

Notes: Blank cells indicate that the water level was below top of pump; unable to measure.  
Measurements are in Feet Above Mean Sea Level (msl)  
">" indicates depth to top of pump (water level was beneath pump)  
NT - Not taken, only measured deep wells  
NM - Well not measured  
TOC Elevation = Top of Casing Elevation  
Previous TOC Elevation = Survey data prior to September 5, 2018  
2018 TOC Elevation = Wells were resurveyed on September 5, 2018.  
These changes are reflected beginning with August 2018 elevations.

**Table 1 - Groundwater Elevations**  
**FF/NN Landfill**  
**Ripon, WI**

| Well Name | May-01 | Oct-01 | Feb-02 | May-02 | Aug-02 | Oct-02 | Dec-02 | Apr-03 | Oct-03 | Feb-04 | Apr-04 |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MW-101    | 823.13 | 824.17 | 823.18 | DRY    | DRY    | NT     | DRY    | DRY    | 821.24 | NM     | 822.87 |
| P-101     | 823.06 | 824.16 | 823.19 | 800.47 | 814.42 | NT     | 818.91 | 820.46 | 821.16 | NM     | 822.86 |
| MW-102    |        | 824.38 | 823.53 | 818.93 | DRY    | NT     | DRY    | 820.95 | 821.57 | NM     | 823.34 |
| P-102     | 823.39 | 824.49 | 823.69 | 799.84 | 814.94 | NT     | 819.47 | 821.08 | 821.66 | NM     | 823.42 |
| MW-103    |        | 821.63 | >51.32 | 819.28 | 819.34 | NT     | DRY    | DRY    | 819.61 | NM     | 821.06 |
| P-103     | 823.02 | 823.87 | 823.00 | 801.70 | 814.74 | NT     | 819.01 | 820.52 | 821.12 | NM     | 822.77 |
| P-103D    |        |        |        |        |        |        |        |        |        | 820.64 | 821.89 |
| MW-104    |        | 823.88 | >51.28 | DRY    | DRY    | NT     | DRY    | 820.37 | 820.85 | NM     | 822.75 |
| P-104     | 823.10 | 824.03 | 823.12 | 802.51 | 814.82 | NT     | 819.05 | 820.50 | 821.43 | NM     | 822.82 |
| MW-106    | 823.34 | Dry    | 823.50 | DRY    | DRY    | NT     | DRY    | DRY    | 821.58 | NM     | 823.25 |
| P-106     | 823.26 | 824.25 | 823.39 | 800.31 | 814.52 | NT     | 819.18 | 820.80 | 821.49 | NM     | 823.17 |
| MW-107    | 819.36 | 820.12 | >52.5  | 816.72 | DRY    | DRY    | DRY    | 817.73 | 818.35 | NM     | 819.63 |
| P-107     | 819.35 | 820.12 | 818.86 | 809.86 | 813.29 | NT     | 816.65 | 817.74 | 818.39 | NM     | 819.71 |
| P-107D    | 819.04 | 816.61 | 817.70 | 811.80 | 815.35 | 816.43 | 816.68 | 817.26 | 816.72 | NM     | 818.68 |
| MW-108    | 818.32 | 818.62 | >27.7  | 815.44 | 815.45 | NT     | 815.79 | 816.20 | 816.68 | NM     | 817.86 |
| P-108     | 820.97 | 822.08 | 820.66 | 811.84 | 815.19 | NT     | 817.83 | 818.57 | 819.26 | NM     | 820.52 |
| MW-111    | 818.15 | 818.74 | 817.51 | 813.43 | 813.59 | NT     | 815.42 | 816.14 | 816.71 | NM     | 818.03 |
| P-111     | 817.68 | 818.26 | 817.04 | 812.54 | 812.90 | NT     | 814.90 | 815.68 | 816.27 | NM     | 817.59 |
| P-111D    |        |        |        | 807.70 | 815.16 | 816.73 | 816.22 | 818.17 | 817.95 | NM     | 819.55 |
| MW-112    | 819.87 | 820.52 | 822.87 | 814.38 | 814.47 | NT     | 816.75 | 817.87 | 818.54 | NM     | 819.89 |
| P-113A    |        |        |        |        |        | 816.09 | 816.39 | 816.93 | 816.20 | NM     | 817.91 |
| P-113B    |        |        |        |        |        | 816.68 | 816.93 | 817.25 | 816.58 | 816.61 | 818.30 |
| P-114     |        |        |        |        |        |        |        | 817.17 | 816.93 | NM     | 818.55 |
| P-115     |        |        |        |        |        |        |        |        |        | NM     | 818.61 |
| P-116     |        |        |        |        |        |        |        |        |        | NM     | 817.54 |
| P-117     |        |        |        |        |        |        |        |        |        |        |        |
| P-118     |        |        |        |        |        |        |        |        |        |        |        |
| MW-3A     |        |        | 817.24 | 810.74 | 815.18 | 816.11 | 815.99 | 816.63 | 815.67 | NM     | 818.03 |
| MW-3B     |        |        | 819.32 | 807.37 | 815.34 | 817.07 | 817.54 | 818.31 | 817.92 | NM     | 819.79 |
|           |        |        |        |        |        |        |        |        |        |        |        |
|           |        |        |        |        |        |        |        |        |        |        |        |
| LC1       | 846.30 | Dry    | Dry    | DRY    | DRY    | NT     | DRY    | DRY    | NM     | NM     | 846.45 |
| LC2       | 839.03 | 838.92 | 838.97 | 838.83 | 838.98 | NT     | 838.75 | 839.17 | NM     | NM     | 839.27 |
| LC3       | 845.80 | Dry    | Dry    | DRY    | DRY    | NT     | DRY    | DRY    | NM     | NM     | DRY    |

Notes: Blank cells indicate that the water level was below top of pump; unable to measure.  
Measurements are in Feet Above Mean Sea Level (msl)  
">" indicates depth to top of pump (water level was beneath pump)  
NT - Not taken, only measured deep wells  
NM - Well not measured  
TOC Elevation = Top of Casing Elevation  
Previous TOC Elevation = Survey data prior to September 5, 2018  
2018 TOC Elevation = Wells were resurveyed on September 5, 2018.  
These changes are reflected beginning with August 2018 elevations.

**Table 1 - Groundwater Elevations**  
**FF/NN Landfill**  
**Ripon, WI**

| Well Name | Jul-04 | Oct-04 | Jan-05 | Apr-05 | Jul-05 | Oct-05 | Jan-06 | Mar-06 | Apr-06 | Jul-06 | Oct-06 |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MW-101    | 825.76 | 823.36 | 822.85 | 823.27 | 821.11 | DRY    | 820.81 | NM     | 821.41 | 821.29 | 820.71 |
| P-101     | 825.76 | 823.35 | 822.84 | 823.26 | 821.07 | 820.23 | 820.75 | NM     | 821.37 | 821.22 | 820.69 |
| MW-102    | 826.08 | 823.71 | 823.34 | 823.66 | 821.70 | 820.65 | 821.33 | NM     | 821.91 | 821.75 | 821.15 |
| P-102     | 826.17 | 823.79 | 823.38 | 823.75 | 821.48 | 820.72 | 821.41 | NM     | 822.06 | 821.80 | 821.25 |
| MW-103    | 824.54 | 822.24 | 820.52 | 821.60 | 819.70 | 819.25 | 819.24 | NM     | 819.36 | 819.82 | 818.82 |
| P-103     | 825.58 | 823.23 | 822.78 | 823.14 | 821.09 | 820.26 | 820.92 | NM     | 821.42 | 821.33 | 820.70 |
| P-103D    | 824.39 | 822.21 | 821.89 | 822.08 | 820.26 | 819.23 | 820.24 | NM     | 820.54 | 820.43 | 819.88 |
| MW-104    | 825.49 | 823.27 | 822.75 | 823.16 | 821.09 | 820.34 | 820.65 | NM     | 821.35 | 821.16 | 820.61 |
| P-104     | 825.61 | 823.36 | 822.82 | 823.21 | 821.20 | 820.40 | 820.79 | NM     | 821.45 | 821.33 | 820.76 |
| MW-106    | 826.07 | 823.60 | 823.20 | 823.61 | 821.42 | DRY    | 821.24 | NM     | 821.85 | 821.77 | 821.10 |
| P-106     | 825.99 | 823.50 | 823.10 | 823.54 | 821.31 | 820.50 | 821.16 | NM     | 821.72 | 821.67 | 820.99 |
| MW-107    | 823.41 | 821.20 | 819.89 | 820.18 | 818.69 | 817.85 | 817.81 | NM     | 818.03 | DRY    | 817.90 |
| P-107     | 823.34 | 821.20 | 820.91 | 820.20 | 818.72 | 817.84 | 817.80 | NM     | 818.19 | 818.59 | 817.89 |
| P-107D    | 819.78 | 817.72 | 817.65 | 818.77 | 815.90 | 814.85 | 816.33 | 816.45 | 816.89 | 816.83 | 816.24 |
| MW-108    | 820.27 | 819.00 | 818.17 | 818.41 | 816.95 | 816.27 | 816.31 | NM     | 816.70 | 816.88 | 816.39 |
| P-108     | 823.39 | 821.94 | 820.84 | 821.05 | 819.76 | 819.13 | 819.04 | NM     | 819.40 | 819.65 | 819.41 |
| MW-111    | 821.40 | 819.60 | 817.39 | 818.69 | 817.32 | 816.51 | 816.31 | NM     | 816.74 | 817.14 | 816.58 |
| P-111     | 821.01 | 819.16 | 816.92 | 818.19 | 816.82 | 816.03 | 815.84 | NM     | 816.24 | 816.74 | 816.09 |
| P-111D    | 821.82 | 819.77 | 819.55 | 819.55 | 818.11 | 817.37 | 818.40 | NM     | 818.62 | 818.54 | 818.26 |
| MW-112    | 823.17 | 821.14 | 820.15 | 820.50 | 818.82 | 818.14 | 818.31 | NM     | 818.66 | 818.88 | 818.20 |
| P-113A    | 818.17 | 817.32 | 817.28 | 818.35 | 815.50 | 814.36 | 816.40 | 816.04 | 816.39 | 816.54 | 815.81 |
| P-113B    | 820.16 | 818.25 | 818.13 | 818.36 | 816.74 | 815.47 | 816.90 | NM     | 817.01 | 817.57 | 816.81 |
| P-114     | 820.44 | 818.71 | 818.50 | 818.76 | 817.02 | 816.34 | 817.28 | NM     | 817.38 | 817.36 | 816.86 |
| P-115     | 820.51 | 818.71 | 818.55 | 818.62 | 817.05 | 816.05 | 817.44 | NM     | 817.56 | 817.50 | 817.12 |
| P-116     | 819.31 | 817.80 | 817.47 | 817.74 | 816.45 | 815.48 | 816.02 | NM     | 816.48 | 816.34 | 816.00 |
| P-117     |        |        |        |        |        |        |        |        |        |        |        |
| P-118     |        |        |        |        |        |        |        |        |        |        |        |
| MW-3A     | 819.73 | 817.00 | 817.15 | 816.84 | 816.05 | 814.87 | 817.98 | 815.81 | 816.29 | 817.51 | 816.34 |
| MW-3B     | 822.01 | 819.66 | 819.60 | 819.45 | 818.44 | 817.28 | 819.15 | NM     | 818.86 | 819.18 | 818.27 |
|           |        |        |        |        |        |        |        |        |        |        |        |
|           |        |        |        |        |        |        |        |        |        |        |        |
| LC1       | NM     | DRY    | DRY    | 846.39 | DRY    | NM     | NM     | NM     | 843.40 | 847.60 | 847.66 |
| LC2       | NM     | 838.89 | DRY    | 839.05 | 838.89 | 838.91 | 839.01 | NM     | 839.47 | 839.52 | 838.45 |
| LC3       | NM     | DRY    | DRY    | DRY    | DRY    | NM     | NM     | NM     | 845.89 | 845.87 | 844.68 |

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">" indicates depth to top of pump (water level was beneath pump)  
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NM - Well not measured  
TOC Elevation = Top of Casing Elevation  
Previous TOC Elevation = Survey data prior to September 5, 2018  
2018 TOC Elevation = Wells were resurveyed on September 5, 2018.  
These changes are reflected beginning with August 2018 elevations.

**Table 1 - Groundwater Elevations**  
**FF/NN Landfill**  
**Ripon, WI**

| Well Name | Jan-07 | May-07 | Aug-07  | Oct-07  | Jan-08  | May-08  | Jul-08  | Sep-08  | Oct-08  | Jan-09  | Apr-09  |
|-----------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| MW-101    | 821.43 | 822.37 | 822.22  | 822.74  | 822.47  | 824.5   | 825.1   | 822.61  | 822.63  | 822.93  | 824.08  |
| P-101     | 821.34 | 822.32 | 822.18  | 822.68  | 822.43  | 824.49  | 825.07  | 822.56  | 822.59  | 822.91  | 824.05  |
| MW-102    | 821.73 | 822.85 | 822.55  | 822.95  | 822.95  | 824.9   | 825.36  | 822.77  | 822.83  | 823.4   | 824.49  |
| P-102     | 821.82 | 822.90 | 822.63  | 823.01  | 823.03  | 824.95  | 825.34  | 822.74  | 822.81  | 823.5   | 824.57  |
| MW-103    | 819.47 | 820.39 | 820.45  | 820.78  | 820.46  | 822.13  | 823.95  | 822.05  | 821.92  | 821.19  | 821.99  |
| P-103     | 821.39 | 822.31 | 822.17  | 822.63  | 822.86  | 824.39  | 825.02  | 822.57  | 822.66  | 822.97  | 824.06  |
| P-103D    | 820.52 | 821.56 | 821.495 | 822.015 | 821.935 | 823.885 | 824.425 | 822.145 | 822.265 | 822.475 | 823.545 |
| MW-104    | 821.11 | 822.17 | 822.06  | 822.56  | 822.25  | 824.26  | 824.9   | 822.54  | 822.55  | 822.82  | 823.92  |
| P-104     | 821.29 | 822.29 | 822.27  | 822.75  | 822.44  | 824.45  | 825.12  | 822.78  | 822.74  | 822.98  | 824.06  |
| MW-106    | 821.78 | 822.78 | 822.51  | 822.76  | 822.84  | 824.77  | 824.98  | 822.7   | 822.75  | 823.31  | 824.41  |
| P-106     | 821.62 | 822.71 | 822.44  | 822.7   | 822.75  | 824.7   | 825.25  | 822.63  | 822.64  | 823.25  | 824.37  |
| MW-107    | 818.29 | 818.87 | 818.97  | 819.12  | 818.88  | 820.34  | 823.81  | 821.16  | 821.04  | 819.71  | 820.34  |
| P-107     | 818.23 | 818.88 | 819.01  | 819.08  | 818.91  | 820.27  | 823.72  | 821.1   | 821.09  | 819.4   | 820.34  |
| P-107D    | 817.05 | 818.27 | 818.79  | 819.93  | 820.32  | 822.9   | 823.25  | 820.9   | 820.87  | 820.81  | 822.24  |
| MW-108    | 816.64 | 817.39 | 817.96  | 817.99  | 817.5   | 819.15  | 820.42  | 819.28  | 819.23  | 818.16  | 818.87  |
| P-108     | 819.40 | 820.14 | 821.45  | 821.33  | 820.44  | 822.15  | 823.57  | 822.14  | 822.05  | 820.87  | 821.67  |
| MW-111    | 816.72 | 817.40 | 817.44  | 817.51  | NT      | 818.85  | 821.08  | 819.77  | 819.75  | 818.21  | 818.88  |
| P-111     | 816.23 | 816.92 | 816.95  | 817.01  | 816.85  | 818.4   | 820.72  | 819.35  | 819.23  | 817.77  | 818.41  |
| P-111D    | 818.48 | 819.84 | 819.44  | 819.92  | 820.14  | 822.09  | 822.61  | 820.74  | 820.79  | 820.65  | 821.71  |
| MW-112    | 818.52 | 819.24 | 819.39  | 819.73  | 819.41  | 820.97  | 822.76  | 821.08  | 820.99  | 820.08  | 820.83  |
| P-113A    | 817.29 | 817.78 | 818.13  | 819.42  | 819.91  | 822.4   | 822.8   | 820.45  | 820.53  | 820.34  | 821.81  |
| P-113B    | 816.70 | 818.11 | 818.26  | 819.09  | 819.35  | 821.36  | 821.79  | 820.09  | 820.1   | 819.84  | 820.96  |
| P-114     | 817.36 | 818.48 | 818.14  | 818.61  | 819     | 820.91  | 821.45  | 819.79  | 819.83  | 819.5   | 820.51  |
| P-115     | 817.62 | 818.72 | 818.375 | 818.815 | 819.185 | 821.095 | 821.635 | 819.965 | 819.975 | 819.655 | 820.725 |
| P-116     | 816.38 | 817.47 | 816.905 | 817.475 | 817.755 | 819.425 | 820.385 | 816.805 | 818.705 | 818.375 | 819.155 |
| P-117     |        |        |         |         |         |         |         |         |         |         |         |
| P-118     |        |        |         |         |         |         |         |         |         |         |         |
| MW-3A     | 817.49 | 817.68 | 819.68  | 820.7   | 821.15  | 823.53  | 823.87  | 821.57  | 821.62  | 821.62  | 822.96  |
| MW-3B     | 818.88 | 819.62 | 820.24  | 820.88  | 821.08  | 823.09  | 823.53  | 821.48  | 821.5   | 821.51  | 822.66  |
|           |        |        |         |         |         |         |         |         |         |         |         |
|           |        |        |         |         |         |         |         |         |         |         |         |
| LC1       | NM     | 846.41 | NM      | NM      | NM      | 845.89  | NM      | NM      | NM      | NM      | NM      |
| LC2       | NM     | 838.63 | NM      | NM      | NM      | 837.81  | NM      | NM      | NM      | NM      | NM      |
| LC3       | NM     | 846.12 | NM      | NM      | NM      | 845.28  | NM      | NM      | NM      | NM      | NM      |

Notes: Blank cells indicate that the water level was below top of pump; unable to measure.  
Measurements are in Feet Above Mean Sea Level (msl)  
">" indicates depth to top of pump (water level was beneath pump)  
NT - Not taken, only measured deep wells  
NM - Well not measured  
TOC Elevation = Top of Casing Elevation  
Previous TOC Elevation = Survey data prior to September 5, 2018  
2018 TOC Elevation = Wells were resurveyed on September 5, 2018.  
These changes are reflected beginning with August 2018 elevations.

**Table 1 - Groundwater Elevations**  
**FF/NN Landfill**  
**Ripon, WI**

| Well Name | Jul-09  | Oct-09  | Feb-10  | May-10  | Sep-10 | Jan-11  | Mar-11  | Apr-11  | Jul-11  | Oct-11  | Jan-12  |
|-----------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|
| MW-101    | 823.61  | 822.68  | 822.2   | 823.43  | 823.29 | 822.19  | NM      | 823.66  | 824.41  | 822.45  | 822.93  |
| P-101     | 823.6   | 822.63  | 822.17  | 823.37  | 823.25 | 822.14  | NM      | 823.6   | 824.38  | 822.37  | 822.87  |
| MW-102    | 823.85  | 822.99  | 822.65  | 823.77  | 823.66 | 822.66  | NM      | 824.1   | 824.73  | 822.67  | 823.36  |
| P-102     | 824.11  | 823.05  | 822.76  | 823.8   | 823.71 | 822.74  | NM      | 824.16  | 824.79  | 822.67  | 823.44  |
| MW-103    | 821.72  | 820.83  | 820.27  | 821.25  | 821.32 | 820.29  | NM      | 821.34  | 822.45  | 821.14  | 820.97  |
| P-103     | 823.59  | 822.62  | 822.24  | 823.34  | 823.19 | 822.26  | NM      | 823.6   | 824.28  | 822.34  | 822.91  |
| P-103D    | 822.905 | 822.055 | 821.705 | 822.575 | 822.35 | 821.81  | 821.96  | 822.88  | 823.26  | 821.64  | 822.04  |
| MW-104    | 823.47  | 822.53  | 822.06  | 823.25  | 823.12 | 822.1   | NM      | 823.47  | 824.19  | 822.32  | 822.82  |
| P-104     | 823.64  | 822.68  | 822.22  | 823.41  | 823.3  | 822.26  | NM      | 823.62  | 824.37  | 822.53  | 822.93  |
| MW-106    | 823.94  | 822.96  | 822.61  | 823.72  | 823.6  | 822.57  | NM      | 824.02  | 824.68  | 822.58  | 823.33  |
| P-106     | 823.9   | 822.85  | 822.54  | 823.64  | 823.52 | 822.52  | NM      | 823.94  | 824.6   | 822.48  | 823.24  |
| MW-107    | 820.25  | 819.37  | 818.81  | 819.59  | 819.85 | 818.83  | NM      | 819.76  | 821.04  | 820.04  | 819.96  |
| P-107     | 820.26  | 819.34  | 818.48  | 819.62  | 819.82 | 818.98  | NM      | 819.73  | 821.02  | 820.02  | 819.15  |
| P-107D    | 820.61  | 819.98  | 819.88  | 819.68  | 818.85 | 820.47  | 819.05  | 820.29  | 819.73  | 818.74  | 819.38  |
| MW-108    | 818.58  | 817.93  | 817.28  | 818.27  | 818.39 | 817.44  | NM      | 818.51  | 819.21  | 818.48  | 818.11  |
| P-108     | 821.73  | 821.06  | 820.08  | 821.53  | 821.66 | 820.25  | NM      | 821.32  | 822.51  | 821.45  | 820.86  |
| MW-111    | 818.71  | 817.87  | 817.29  | 818.07  | 818.3  | 817.39  | NM      | 818.37  | 819.45  | 818.64  | 818.12  |
| P-111     | 818.3   | 817.43  | 816.86  | 817.61  | 817.88 | 816.96  | NM      | 817.89  | 819.01  | 818.18  | 817.68  |
| P-111D    | 820.85  | 820.15  | 819.91  | 820.41  | 820.16 | 817.15  | 820.05  | 820.83  | 820.9   | 819.92  | 820.33  |
| MW-112    | 820.62  | 819.76  | 819.24  | 820.13  | 820.24 | 819.33  | NM      | 820.23  | 821.36  | 820.2   | 819.91  |
| P-113A    | 820.1   | 819.4   | 819.57  | 819.09  | 818.24 | 820.05  | 818.53  | 819.67  | 818.78  | 818.34  | 818.72  |
| P-113B    | 819.81  | 819.24  | 819.15  | 819.27  | 818.88 | 819.45  | 818.97  | 819.64  | 819.34  | 819.04  | 818.87  |
| P-114     | 819.6   | 818.99  | 818.75  | 819.12  | 819    | 819.09  | 818.85  | 819.75  | 819.67  | 819     | 819.16  |
| P-115     | 819.805 | 819.145 | 818.935 | 819.205 | 819.13 | 819.265 | 819.005 | 819.855 | 819.745 | 819.145 | 819.265 |
| P-116     | 818.465 | 817.755 | 817.565 | 818.055 | 817.85 | 817.895 | 817.755 | 818.845 | 818.605 | 817.985 | 818.125 |
| P-117     |         |         |         |         |        |         |         |         |         |         |         |
| P-118     |         |         |         |         |        |         |         |         |         |         |         |
| MW-3A     | 821.46  | 820.87  | 820.85  | 819.92  | 818.91 | 821.26  | 819     | 819.85  | 819.18  | 819.74  | 819.6   |
| MW-3B     | 821.74  | 821.06  | 820.84  | 821     | 820.59 | 821.04  | 820.35  | 821.18  | 821.1   | 820.65  | 820.78  |
|           |         |         |         |         |        |         |         |         |         |         |         |
|           |         |         |         |         |        |         |         |         |         |         |         |
| LC1       | NM      | NM      | NM      | 843.73  | NM     | NM      | NM      | 843.14  | NM      | NM      | NM      |
| LC2       | NM      | NM      | NM      | 838.96  | NM     | NM      | NM      | 838.4   | NM      | NM      | NM      |
| LC3       | NM      | NM      | NM      | 845.67  | NM     | NM      | NM      | 845.22  | NM      | NM      | NM      |

Notes: Blank cells indicate that the water level was below top of pump; unable to measure.  
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NT - Not taken, only measured deep wells  
NM - Well not measured  
TOC Elevation = Top of Casing Elevation  
Previous TOC Elevation = Survey data prior to September 5, 2018  
2018 TOC Elevation = Wells were resurveyed on September 5, 2018.  
These changes are reflected beginning with August 2018 elevations.

**Table 1 - Groundwater Elevations**  
**FF/NN Landfill**  
**Ripon, WI**

| Well Name | Apr-12  | Jul-12  | Oct-12 | Jan-13  | Apr-13  | Jul-13  | Oct-13  | Jan-14 | Apr-14 | Jul-14 | Oct-14 |
|-----------|---------|---------|--------|---------|---------|---------|---------|--------|--------|--------|--------|
| MW-101    | 823.33  | 823.56  | 821.86 | 821.99  | 823.89  | NM      | NM      | NM     | 822.32 | NM     | NM     |
| P-101     | 823.29  | 823.5   | 822.32 | 821.92  | 823.88  | NM      | NM      | NM     | 822.29 | NM     | NM     |
| MW-102    | 823.8   | 823.89  | 780.11 | 822.43  | 824.38  | NM      | NM      | NM     | 823.12 | NM     | NM     |
| P-102     | 823.86  | 823.96  | 780.05 | 822.52  | 824.45  | NM      | NM      | NM     | 823.02 | NM     | NM     |
| MW-103    | 821.24  | 821.9   | 809.48 | 820.09  | 821.5   | NM      | 819.91  | NM     | 820.12 | NM     | 820.68 |
| P-103     | 823.32  | 823.48  | 809.98 | 822.02  | 823.88  | NM      | 821.35  | NM     | 822.42 | NM     | 822.55 |
| P-103D    | 822.47  | 822.43  | 810.14 | 821.275 | 823.135 | 823.24  | 820.63  | 820.85 | 821.69 | 822.45 | 821.73 |
| MW-104    | 823.22  | 823.4   | 812.21 | 821.87  | 823.76  | NM      | NM      | NM     | 822.26 | NM     | NM     |
| P-104     | 823.22  | 823.57  | 812.54 | 822.02  | 823.87  | NM      | NM      | NM     | 822.32 | NM     | NM     |
| MW-106    | 823.73  | 823.87  | 815.96 | 822.43  | 824.3   | NM      | NM      | NM     | 822.84 | NM     | NM     |
| P-106     | 823.64  | 825.8   | 815.97 | 822.33  | 824.21  | NM      | NM      | NM     | 822.75 | NM     | NM     |
| MW-107    | 819.77  | 820.68  | 808.84 | 818.73  | 819.87  | NM      | NM      | NM     | 818.78 | NM     | NM     |
| P-107     | 819.76  | 820.7   | 808.44 | 818.71  | 819.88  | NM      | NM      | NM     | 818.82 | NM     | NM     |
| P-107D    | 819.42  | 818.1   | 809.04 | 818.02  | 820.41  | 820.56  | 817.57  | 817.80 | 818.53 | 819.74 | 818.19 |
| MW-108    | 818.28  | 818.74  | 782.31 | 817.27  | 818.74  | NM      | NM      | NM     | 817.64 | NM     | NM     |
| P-108     | 821.01  | 822.09  | 782.67 | 820.02  | 821.52  | NM      | NM      | NM     | 820.12 | NM     | NM     |
| MW-111    | 818.32  | 819.09  | 793.52 | 817.25  | 818.52  | NM      | NM      | NM     | 817.49 | NM     | NM     |
| P-111     | 817.87  | 818.67  | 793.19 | 816.81  | 818.07  | NM      | NM      | NM     | 817.05 | NM     | NM     |
| P-111D    | 820.28  | 820     | 792.85 | 819.29  | 821.07  | 820.97  | 818.61  | 818.85 | 819.88 | 820.41 | 819.68 |
| MW-112    | 820.15  | 820.8   | 811.61 | 819.15  | 820.39  | NM      | 819.07  | NM     | 819.18 | NM     | 819.69 |
| P-113A    | 818.51  | 817.23  | 770.15 | 817.5   | 819.83  | 819.92  | 816.76  | 817.32 | 817.95 | 819.09 | 817.68 |
| P-113B    | 818.71  | 818.39  | 770.16 | 817.92  | 820.89  | 820.02  | 817.31  | 817.97 | 818.87 | 819.41 | 818.28 |
| P-114     | 819.06  | 818.46  | 776.41 | 818.27  | 819.94  | 820.05  | 816.57  | 817.93 | 818.83 | 819.51 | 818.46 |
| P-115     | 819.075 | 818.805 | 779.77 | 818.335 | 820.025 | 820.205 | 817.635 | 817.89 | 818.96 | 819.63 | 818.57 |
| P-116     | 818.125 | 817.575 | 782.40 | 817.395 | 818.855 | 818.825 | 816.755 | 816.92 | 817.77 | 818.54 | 817.54 |
| P-117     |         |         |        |         |         |         |         |        |        |        |        |
| P-118     |         |         |        |         |         |         |         |        |        |        |        |
| MW-3A     | 818.41  | 818.23  | 787.83 | 817.98  | 820.07  | 820.25  | 816.62  | 817.81 | 819.50 | 819.11 | 818.12 |
| MW-3B     | 820.27  | 820.35  | 788.10 | 819.48  | 821.49  | 821.48  | 818.59  | 819.24 | 820.69 | 820.61 | 819.89 |
|           |         |         |        |         |         |         |         |        |        |        |        |
|           |         |         |        |         |         |         |         |        |        |        |        |
| LC1       | 843.21  | NM      | NM     | NM      | 843.36  | NM      | NM      | NM     | 843.71 | NM     | NM     |
| LC2       | 837.87  | NM      | NM     | NM      | 838.51  | NM      | NM      | NM     | 840.02 | NM     | NM     |
| LC3       | 845.63  | NM      | NM     | NM      | 845.52  | NM      | NM      | NM     | 846.29 | NM     | NM     |

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These changes are reflected beginning with August 2018 elevations.

**Table 1 - Groundwater Elevations**  
**FF/NN Landfill**  
**Ripon, WI**

| Well Name | Jan-15 | Apr-15 | Jul-15 | Oct-15 | Jan-16 | Apr-16 | Jul-16 | Oct-16 | Jan-17 | Apr-17 | Jul-17 |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MW-101    | NM     | 822.43 | NM     | NM     | NM     | 824.20 | NM     | NM     | NM     | 823.84 | NM     |
| P-101     | NM     | 822.36 | NM     | NM     | NM     | 824.16 | NM     | NM     | NM     | 823.79 | NM     |
| MW-102    | NM     | 822.91 | NM     | NM     | NM     | 824.71 | NM     | NM     | NM     | 824.41 | NM     |
| P-102     | NM     | 822.99 | NM     | NM     | NM     | 824.76 | NM     | NM     | NM     | 824.42 | NM     |
| MW-103    | NM     | 820.27 | NM     | 819.48 | NM     | 821.86 | NM     | 820.7  | NM     | 821.57 | NM     |
| P-103     | NM     | 822.42 | NM     | 820.15 | NM     | 824.22 | NM     | 822.33 | NM     | 823.83 | NM     |
| P-103D    | 821.75 | 821.55 | 821.04 | 821.14 | 821.82 | 823.45 | 822.23 | 821.49 | 822.19 | 823.04 | 823.86 |
| MW-104    | NM     | 822.36 | NM     | NM     | NM     | 824.08 | NM     | NM     | NM     | 823.81 | NM     |
| P-104     | NM     | 822.40 | NM     | NM     | NM     | 824.18 | NM     | NM     | NM     | 823.84 | NM     |
| MW-106    | NM     | 822.91 | NM     | NM     | NM     | 824.69 | NM     | NM     | NM     | 824.35 | NM     |
| P-106     | NM     | 822.82 | NM     | NM     | NM     | 824.61 | NM     | NM     | NM     | 824.23 | NM     |
| MW-107    | NM     | 818.87 | NM     | NM     | NM     | 820.31 | NM     | NM     | NM     | 820.06 | NM     |
| P-107     | NM     | 818.84 | NM     | NM     | NM     | 820.30 | NM     | NM     | NM     | 820.08 | NM     |
| P-107D    | 818.35 | 818.08 | 818.12 | 817.46 | 819.25 | 820.84 | 818.81 | 818.31 | 819.16 | 820.38 | 820.50 |
| MW-108    | NM     | 817.39 | NM     | NM     | NM     | 818.86 | NM     | NM     | NM     | 818.55 | NM     |
| P-108     | NM     | 820.07 | NM     | NM     | NM     | 821.53 | NM     | NM     | NM     | 821.2  | NM     |
| MW-111    | NM     | 817.39 | NM     | NM     | NM     | 818.91 | NM     | NM     | NM     | 818.66 | NM     |
| P-111     | NM     | 816.95 | NM     | NM     | NM     | 818.45 | NM     | NM     | NM     | 818.22 | NM     |
| P-111D    | 819.51 | 819.50 | 819.21 | 818.51 | 822.95 | 821.30 | 820.11 | 819.59 | 820.27 | 820.86 | 821.72 |
| MW-112    | NM     | 819.30 | NM     | 818.77 | NM     | 820.71 | NM     | 819.69 | NM     | 820.42 | NM     |
| P-113A    | 817.81 | 817.59 | 817.48 | 817.02 | 818.80 | 820.23 | 818.16 | 817.82 | 818.89 | 819.78 | 820.14 |
| P-113B    | 818.17 | 818.42 | 818.35 | 817.73 | 818.75 | 820.17 | 818.66 | 818.63 | 819.37 | 819.76 | 820.71 |
| P-114     | 818.53 | 818.46 | 818.41 | 817.73 | 818.72 | 820.18 | 818.81 | 818.59 | 819.28 | 819.85 | 820.72 |
| P-115     | 818.52 | 818.60 | 815.48 | 817.84 | 818.90 | 820.33 | 818.81 | 818.58 | NM     | 819.99 | 821.37 |
| P-116     | 817.55 | 817.41 | 817.46 | 816.67 | 817.57 | 819.19 | 817.93 | 817.67 | 818.18 | 818.99 | 819.58 |
| P-117     |        |        |        |        |        |        |        |        | 817.90 | 818.67 | 819.27 |
| P-118     |        |        |        |        |        |        |        |        |        |        |        |
| MW-3A     | 818.04 | 818.48 | 817.86 | 817.63 | 819.10 | 819.93 | 818.57 | 818.53 | 820.09 | 820.01 | 821.03 |
| MW-3B     | 819.79 | 819.95 | 819.50 | 818.96 | 820.32 | 821.43 | 820.36 | 820.04 | 821.01 | 821.25 | 822.32 |
|           |        |        |        |        |        |        |        |        |        |        |        |
|           |        |        |        |        |        |        |        |        |        |        |        |
| LC1       | NM     | 843.72 | NM     | NM     | NM     | 843.65 | NM     | NM     | NM     | 842.91 | NM     |
| LC2       | NM     | 839.41 | NM     | NM     | NM     | 838.01 | NM     | NM     | NM     | 837.42 | NM     |
| LC3       | NM     | 845.62 | NM     | NM     | NM     | 847.13 | NM     | NM     | NM     | 846.43 | NM     |

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**Table 1 - Groundwater Elevations**  
**FF/NN Landfill**  
**Ripon, WI**

| Well Name | Oct-17 | Mar-18 | Jun-18  | Aug-18 | Oct-18 |
|-----------|--------|--------|---------|--------|--------|
| MW-101    | NM     | NM     | 823.99  | NM     | NM     |
| P-101     | NM     | NM     | 823.96  | NM     | NM     |
| MW-102    | NM     | NM     | 824.44  | NM     | NM     |
| P-102     | NM     | NM     | 824.523 | NM     | NM     |
| MW-103    | 821.77 | NM     | 821.67  | NM     | 822.41 |
| P-103     | 823.57 | NM     | 824     | NM     | 824.37 |
| P-103D    | 822.62 | 821.60 | 823.43  | 822.13 | 823.60 |
| MW-104    | NM     | NM     | 823.92  | NM     | NM     |
| P-104     | NM     | NM     | 824.07  | NM     | NM     |
| MW-106    | NM     | NM     | 824.45  | NM     | NM     |
| P-106     | NM     | NM     | 824.37  | NM     | NM     |
| MW-107    | NM     | NM     | 819.12  | NM     | NM     |
| P-107     | NM     | NM     | 820.13  | NM     | NM     |
| P-107D    | 818.90 | 817.75 | 822.24  | 818.32 | 820.61 |
| MW-108    | NM     | NM     | 819.04  | NM     | NM     |
| P-108     | NM     | NM     | 821.7   | NM     | NM     |
| MW-111    | NM     | NM     | 818.68  | NM     | NM     |
| P-111     | NM     | NM     | 818.23  | NM     | NM     |
| P-111D    | 820.21 | 819.17 | 821.66  | 820.69 | 821.29 |
| MW-112    | 820.66 | NM     | 820.62  | NM     | 821.49 |
| P-113A    | 817.95 | 817.91 | 821.68  | 817.70 | 820.07 |
| P-113B    | 818.94 | 818.19 | 820.87  | 818.73 | 820.04 |
| P-114     | 819.02 | 813.32 | 820.48  | 818.92 | 820.20 |
| P-115     | 819.04 | 818.36 | 820.70  | 818.99 | 820.21 |
| P-116     | 818.10 | 817.41 | 819.24  | 818.43 | 819.66 |
| P-117     | 818.07 | 817.34 | 818.92  | 817.75 | 819.15 |
| P-118     | 818.09 | 817.30 | 818.93  | 817.69 | 819.16 |
| MW-3A     | 818.35 | 817.99 | 822.83  | 817.79 | 819.51 |
| MW-3B     | 820.39 | 819.81 | 822.61  | 819.94 | 821.44 |
|           |        |        |         |        |        |
|           |        |        |         |        |        |
| LC1       | NM     | NM     | NM      | NM     | NM     |
| LC2       | NM     | NM     | 839.74  | NM     | NM     |
| LC3       | NM     | NM     | 845.72  | NM     | NM     |

Notes: Blank cells indicate that the water level was below top of pump; unable to measure.  
Measurements are in Feet Above Mean Sea Level (msl)  
">" indicates depth to top of pump (water level was beneath pump)  
NT - Not taken, only measured deep wells  
NM - Well not measured  
TOC Elevation = Top of Casing Elevation  
Previous TOC Elevation = Survey data prior to September 5, 2018  
2018 TOC Elevation = Wells were resurveyed on September 5, 2018.  
These changes are reflected beginning with August 2018 elevations.

















Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI

Table with columns: Sampling Point, Collection Date, and Parameters (Acetone, Benzene, Bromodichloromethane, Bromomethane, 2-Butanone (MEK), sec-Butylbenzene, Carbon Disulfide, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, 1,4-dichlorobenzene, Dibromochloromethane, Dichlorodifluoromethane, 1,1-Dichloroethane, 1,2-dichloroethane, 1,1-Dichloroethene, cis-1,2-dichloroethene, trans-1,2-Dichloroethene, 1,2-dichloropropane, Ethylbenzene, Isopropylbenzene, Isopropyl Ether, Methylene chloride, MTBE, Tetrachloroethene, Tetrahydrofuran, Toluene, 1,2,4-Trichlorobenzene, 1,1,1-Trichloroethane, Trichloroethene, Trichlorofluoromethane, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Vinyl Chloride, Total Xylenes).





**Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| Sampling Point | Collection Date       | Parameters           |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
|----------------|-----------------------|----------------------|---------|----------------------|--------------|------------------|------------------|------------------|---------------|--------------|------------|---------------|---------------------|----------------------|-------------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|---------------------|--------------|------------------|-----------------|--------------------|------|-------------------|-----------------|---------|------------------------|-----------------------|-----------------|------------------------|------------------------|------------------------|----------------|---------------|
|                |                       | Acetone <sup>1</sup> | Benzene | Bromodichloromethane | Bromomethane | 2-Butanone (MEK) | sec-Butylbenzene | Carbon Disulfide | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | 1,4-dichlorobenzene | Dibromochloromethane | Dichlorodifluoromethane | 1,1-Dichloroethane | 1,2-dichloroethane | 1,1-Dichloroethene | cis-1,2-dichloroethene | trans-1,2-Dichloroethene | 1,2-dichloropropane | Ethylbenzene | Isopropylbenzene | Isopropyl Ether | Methylene chloride | MTBE | Tetrachloroethene | Tetrahydrofuran | Toluene | 1,2,4-Trichlorobenzene | 1,1,1-Trichloroethane | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride | Total Xylenes |
| WDNR           | PAL                   | 200                  | 0.5     | 0.06                 | 1            | 90               | NE               | 200              | NE            | 80           | 0.6        | 0.3           | 15                  | 6                    | 200                     | 85                 | 0.5                | 0.7                | 7                      | 20                       | 0.5                 | 140          | NE               | NE              | 0.5                | 12   | 0.5               | 10              | 200     | 14                     |                       | 0.5             | NE                     | 96                     | 0.02                   | 1000           |               |
| NR140          | ES                    | 1000                 | 5       | 0.6                  | 10           | 460              | NE               | 1000             | NE            | 400          | 6          | 3             | 75                  | 60                   | 1000                    | 850                | 5                  | 7                  | 70                     | 100                      | 5                   | 700          | NE               | NE              | 5                  | 60   | 5                 | 50              | 1000    | 70                     |                       | 5               | NE                     | 480                    | 0.2                    | 10000          |               |
| P-103          | 4/6/2017              |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| P-103          | 10/18/2017            |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| P-103          | 6/4/2018 <sup>6</sup> |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| P-103          | 10/31/2018            |                      |         |                      |              |                  |                  |                  |               |              |            | 0.090 B       |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | 0.042          |               |



**Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| Sampling Point | Collection Date            | Parameters           |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
|----------------|----------------------------|----------------------|---------|----------------------|--------------|------------------|------------------|------------------|---------------|--------------|------------|---------------|---------------------|----------------------|-------------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|---------------------|--------------|------------------|-----------------|--------------------|------|-------------------|-----------------|---------|------------------------|-----------------------|-----------------|------------------------|------------------------|------------------------|----------------|---------------|
|                |                            | Acetone <sup>1</sup> | Benzene | Bromodichloromethane | Bromomethane | 2-Butanone (MEK) | sec-Butylbenzene | Carbon Disulfide | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | 1,4-dichlorobenzene | Dibromochloromethane | Dichlorodifluoromethane | 1,1-Dichloroethane | 1,2-dichloroethane | 1,1-Dichloroethene | cis-1,2-dichloroethene | trans-1,2-Dichloroethene | 1,2-dichloropropane | Ethylbenzene | Isopropylbenzene | Isopropyl Ether | Methylene chloride | MTBE | Tetrachloroethene | Tetrahydrofuran | Toluene | 1,2,4-Trichlorobenzene | 1,1,1-Trichloroethane | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride | Total Xylenes |
| WDNR           | PAL                        | 200                  | 0.5     | 0.06                 | 1            | 90               | NE               | 200              | NE            | 80           | 0.6        | 0.3           | 15                  | 6                    | 200                     | 85                 | 0.5                | 0.7                | 7                      | 20                       | 0.5                 | 140          | NE               | NE              | 0.5                | 12   | 0.5               | 10              | 200     | 14                     |                       | 0.5             | NE                     | 96                     | 0.02                   | 1000           |               |
| NR140          | ES                         | 1000                 | 5       | 0.6                  | 10           | 460              | NE               | 1000             | NE            | 400          | 6          | 3             | 75                  | 60                   | 1000                    | 850                | 5                  | 7                  | 70                     | 100                      | 5                   | 700          | NE               | NE              | 5                  | 60   | 5                 | 50              | 1000    | 70                     |                       | 5               | NE                     | 480                    | 0.2                    | 10000          |               |
| P-103D         | 7/14/2017                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 0.32 J                 |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| P-103D         | 10/18/2017                 |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 0.30 J                 |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | <b>0.35 J</b>  |               |
| P-103D         | 3/21/2018 <sup>5</sup>     |                      |         | NR                   |              |                  | NR               |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              | NR               | NR              |                    |      |                   |                 | NR      |                        |                       |                 | NR                     | NR                     |                        | NR             |               |
| P-103D         | 3/21/2018 SIM <sup>5</sup> |                      |         | NR                   | NR           | NR               | NR               | NR               | NR            | NR           | NR         | NR            | NR                  |                      | NR                      | NR                 |                    | NR                 | NR                     | NR                       |                     | NR           | NR               | NR              | NR                 | NR   | NR                | NR              | NR      |                        | NR                    | 0.062           | NR                     | NR                     | NR                     | <b>0.25</b>    | NR            |
| P-103D         | 6/4/2018 <sup>6</sup>      |                      | 0.025 J |                      |              |                  |                  |                  |               |              |            | 0.041 JB      |                     |                      |                         |                    |                    |                    | 0.27                   |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| P-103D         | 8/2/2018                   |                      | 0.031   |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 0.27                   |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       | 0.089           |                        |                        |                        | <u>0.19</u>    |               |
| P-103D         | 10/31/2018                 | 0.37                 | 0.031   |                      |              |                  |                  |                  |               |              |            | 0.10 B        |                     |                      |                         |                    |                    |                    | 0.32                   |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        | 0.086                 |                 |                        |                        | <b>0.27</b>            |                |               |













**Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| Sampling Point | Collection Date       | Parameters           |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |
|----------------|-----------------------|----------------------|---------|----------------------|--------------|------------------|------------------|------------------|---------------|--------------|------------|---------------|---------------------|----------------------|-------------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|---------------------|--------------|------------------|-----------------|--------------------|------|-------------------|-----------------|---------|------------------------|-----------------------|-----------------|------------------------|------------------------|------------------------|----------------|---------------|--|
|                |                       | Acetone <sup>1</sup> | Benzene | Bromodichloromethane | Bromomethane | 2-Butanone (MEK) | sec-Butylbenzene | Carbon Disulfide | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | 1,4-dichlorobenzene | Dibromochloromethane | Dichlorodifluoromethane | 1,1-Dichloroethane | 1,2-dichloroethane | 1,1-Dichloroethene | cis-1,2-dichloroethene | trans-1,2-Dichloroethene | 1,2-dichloropropane | Ethylbenzene | Isopropylbenzene | Isopropyl Ether | Methylene chloride | MTBE | Tetrachloroethene | Tetrahydrofuran | Toluene | 1,2,4-Trichlorobenzene | 1,1,1-Trichloroethane | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride | Total Xylenes |  |
| WDNR           | PAL                   | 200                  | 0.5     | 0.06                 | 1            | 90               | NE               | 200              | NE            | 80           | 0.6        | 0.3           | 15                  | 6                    | 200                     | 85                 | 0.5                | 0.7                | 7                      | 20                       | 0.5                 | 140          | NE               | NE              | 0.5                | 12   | 0.5               | 10              | 200     | 14                     |                       | 0.5             | NE                     | 96                     | 0.02                   | 1000           |               |  |
| NR140          | ES                    | 1000                 | 5       | 0.6                  | 10           | 460              | NE               | 1000             | NE            | 400          | 6          | 3             | 75                  | 60                   | 1000                    | 850                | 5                  | 7                  | 70                     | 100                      | 5                   | 700          | NE               | NE              | 5                  | 60   | 5                 | 50              | 1000    | 70                     |                       | 5               | NE                     | 480                    | 0.2                    | 10000          |               |  |
| P-107          | 4/12/2011             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | <b>0.84J</b>   |               |  |
| P-107          | 10/18/2011            |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>0.54J</b>  |  |
| P-107          | 4/4/2012              | 10.7 J               |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>1.1</b>    |  |
| P-107          | 10/17/2012            |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |
| P-107          | 4/26/2013             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |
| P-107          | 4/16/2014             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 0.51J                  |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>0.89J</b>  |  |
| P-107          | 4/15/2015             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 0.48J                  |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>0.57J</b>  |  |
| P-107          | 4/13/2016             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 0.52 J                 |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>0.72 J</b> |  |
| P-107          | 4/6/2017              |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>0.79 J</b> |  |
| P-107          | 6/4/2018 <sup>6</sup> |                      | 0.024 J |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 0.29                   |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       | 0.067 J         |                        |                        |                        |                | <b>0.58</b>   |  |



**Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| Sampling Point | Collection Date            | Parameters           |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
|----------------|----------------------------|----------------------|---------|----------------------|--------------|------------------|------------------|------------------|---------------|--------------|------------|---------------|---------------------|----------------------|-------------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|---------------------|--------------|------------------|-----------------|--------------------|------|-------------------|-----------------|---------|------------------------|-----------------------|-----------------|------------------------|------------------------|------------------------|----------------|---------------|
|                |                            | Acetone <sup>1</sup> | Benzene | Bromodichloromethane | Bromomethane | 2-Butanone (MEK) | sec-Butylbenzene | Carbon Disulfide | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | 1,4-dichlorobenzene | Dibromochloromethane | Dichlorodifluoromethane | 1,1-Dichloroethane | 1,2-dichloroethane | 1,1-Dichloroethene | cis-1,2-dichloroethene | trans-1,2-Dichloroethene | 1,2-dichloropropane | Ethylbenzene | Isopropylbenzene | Isopropyl Ether | Methylene chloride | MTBE | Tetrachloroethene | Tetrahydrofuran | Toluene | 1,2,4-Trichlorobenzene | 1,1,1-Trichloroethane | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride | Total Xylenes |
| WDNR<br>NR140  | PAL                        | 200                  | 0.5     | 0.06                 | 1            | 90               | NE               | 200              | NE            | 80           | 0.6        | 0.3           | 15                  | 6                    | 200                     | 85                 | 0.5                | 0.7                | 7                      | 20                       | 0.5                 | 140          | NE               | NE              | 0.5                | 12   | 0.5               | 10              | 200     | 14                     |                       | 0.5             | NE                     | 96                     | 0.02                   | 1000           |               |
|                | ES                         | 1000                 | 5       | 0.6                  | 10           | 460              | NE               | 1000             | NE            | 400          | 6          | 3             | 75                  | 60                   | 1000                    | 850                | 5                  | 7                  | 70                     | 100                      | 5                   | 700          | NE               | NE              | 5                  | 60   | 5                 | 50              | 1000    | 70                     |                       | 5               | NE                     | 480                    | 0.2                    | 10000          |               |
| P-107D         | 10/24/2013                 |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | 2.6            |               |
| P-107D         | 1/9/2014                   |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 0.57 J                 |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | 2.9            |               |
| P-107D         | 4/16/2014                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | 5.6            |               |
| P-107D         | 7/17/2014                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | 4.8            |               |
| P-107D         | 10/24/2014                 |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | 3.1            |               |
| P-107D         | 1/15/2015                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | 4.7            |               |
| P-107D         | 4/28/2015                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | 2.1            |               |
| P-107D         | 7/1/2015                   |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        | 2.1                    |                |               |
| P-107D         | 10/27/2015                 |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        | 3.1                    |                |               |
| P-107D         | 1/14/2016                  |                      |         |                      |              |                  |                  |                  |               |              |            | 1.3           |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        | 2.6                    |                |               |
| P-107D         | 4/13/2016                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        | 4.8                    |                |               |
| P-107D         | 7/28/2016                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        | 1.9                    |                |               |
| P-107D         | 10/27/2016                 |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        | 2                      |                |               |
| P-107D         | 1/20/2017                  |                      |         |                      |              |                  |                  |                  |               |              |            | 2.4           |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        | 4.3                    |                |               |
| P-107D         | 4/6/2017                   |                      |         |                      |              |                  |                  |                  |               |              |            | 0.77 J        |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        | 2.2                    |                |               |
| P-107D         | 7/14/2017                  |                      |         |                      |              |                  |                  |                  |               |              |            | 1.4           |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        | 3.8                    |                |               |
| P-107D         | 10/18/2017                 |                      |         |                      |              |                  |                  |                  |               |              |            | 0.76 J        |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        | 1.9                    |                |               |
| P-107D         | 3/21/2018 <sup>5</sup>     |                      |         | NR                   |              |                  | NR               |                  |               |              | 0.88 J     |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              | NR               | NR              |                    |      |                   |                 |         |                        |                       | NR              | NR                     | NR                     | 3.6                    | NR             |               |
| P-107D         | 3/21/2018 SIM <sup>5</sup> |                      |         | NR                   | NR           | NR               | NR               | NR               | NR            | NR           | NR         | NR            | NR                  | NR                   | NR                      | NR                 | NR                 | NR                 | NR                     | NR                       | NR                  | NR           | NR               | NR              | NR                 | NR   | NR                | NR              | NR      | NR                     | NR                    | NR              | NR                     | NR                     | NR                     | 3.2            | NR            |
| P-107D         | 6/4/2018 <sup>6</sup>      |                      |         |                      |              |                  |                  |                  |               |              | 0.86       |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        | 2.2                    |                |               |
| P-107D         | 8/2/2018                   |                      |         |                      |              |                  |                  |                  |               |              | 0.35       |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        | 1.6                    |                |               |
| P-107D         | 10/31/2018                 |                      |         |                      |              |                  |                  |                  |               |              | 2.0        |               | 0.12 B              |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 | 0.18                   |                        | 6.5                    |                |               |















**Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| Sampling Point | Collection Date       | Parameters           |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
|----------------|-----------------------|----------------------|---------|----------------------|--------------|------------------|------------------|------------------|---------------|--------------|------------|---------------|---------------------|----------------------|-------------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|---------------------|--------------|------------------|-----------------|--------------------|------|-------------------|-----------------|---------|------------------------|-----------------------|-----------------|------------------------|------------------------|------------------------|----------------|---------------|
|                |                       | Acetone <sup>1</sup> | Benzene | Bromodichloromethane | Bromomethane | 2-Butanone (MEK) | sec-Butylbenzene | Carbon Disulfide | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | 1,4-dichlorobenzene | Dibromochloromethane | Dichlorodifluoromethane | 1,1-Dichloroethane | 1,2-dichloroethane | 1,1-Dichloroethene | cis-1,2-dichloroethene | trans-1,2-Dichloroethene | 1,2-dichloropropane | Ethylbenzene | Isopropylbenzene | Isopropyl Ether | Methylene chloride | MTBE | Tetrachloroethene | Tetrahydrofuran | Toluene | 1,2,4-Trichlorobenzene | 1,1,1-Trichloroethane | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride | Total Xylenes |
| WDNR<br>NR140  | PAL                   | 200                  | 0.5     | 0.06                 | 1            | 90               | NE               | 200              | NE            | 80           | 0.6        | 0.3           | 15                  | 6                    | 200                     | 85                 | 0.5                | 0.7                | 7                      | 20                       | 0.5                 | 140          | NE               | NE              | 0.5                | 12   | 0.5               | 10              | 200     | 14                     |                       | 0.5             | NE                     | 96                     | 0.02                   | 1000           |               |
|                | ES                    | 1000                 | 5       | 0.6                  | 10           | 460              | NE               | 1000             | NE            | 400          | 6          | 3             | 75                  | 60                   | 1000                    | 850                | 5                  | 7                  | 70                     | 100                      | 5                   | 700          | NE               | NE              | 5                  | 60   | 5                 | 50              | 1000    | 70                     |                       | 5               | NE                     | 480                    | 0.2                    | 10000          |               |
| MW-112         | 1/16/2013             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| MW-112         | 4/24/2013             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| MW-112         | 10/24/2013            |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| MW-112         | 4/16/2014             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| MW-112         | 10/24/2014            |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| MW-112         | 4/28/2015             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| MW-112         | 10/28/2015            |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| MW-112         | 4/12/2016             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| MW-112         | 10/27/2016            |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| MW-112         | 4/5/2017              |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| MW-112         | 10/18/2017            |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| MW-112         | 6/4/2018 <sup>6</sup> |                      |         |                      |              |                  |                  |                  |               | 0.12 J       |            |               |                     |                      |                         |                    |                    |                    | 0.081 J                |                          |                     |              |                  |                 |                    |      | 0.084 J           |                 |         |                        |                       |                 | 0.43                   |                        |                        |                |               |
| MW-112         | 10/31/2018            | 0.8                  |         |                      |              |                  |                  |                  |               | 0.12         |            | 0.069 B       |                     |                      |                         |                    |                    |                    | 0.21                   |                          |                     |              |                  |                 |                    | 0.19 |                   |                 |         |                        |                       | 0.86            |                        |                        | 0.024                  |                |               |













**Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| Sampling Point | Collection Date           | Parameters           |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |
|----------------|---------------------------|----------------------|---------|----------------------|--------------|------------------|------------------|------------------|---------------|--------------|------------|---------------|---------------------|----------------------|-------------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|---------------------|--------------|------------------|-----------------|--------------------|------|-------------------|-----------------|---------|------------------------|-----------------------|-----------------|------------------------|------------------------|------------------------|----------------|---------------|--|
|                |                           | Acetone <sup>1</sup> | Benzene | Bromodichloromethane | Bromomethane | 2-Butanone (MEK) | sec-Butylbenzene | Carbon Disulfide | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | 1,4-dichlorobenzene | Dibromochloromethane | Dichlorodifluoromethane | 1,1-Dichloroethane | 1,2-dichloroethane | 1,1-Dichloroethene | cis-1,2-dichloroethene | trans-1,2-Dichloroethene | 1,2-dichloropropane | Ethylbenzene | Isopropylbenzene | Isopropyl Ether | Methylene chloride | MTBE | Tetrachloroethene | Tetrahydrofuran | Toluene | 1,2,4-Trichlorobenzene | 1,1,1-Trichloroethane | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride | Total Xylenes |  |
| WDNR NR140     | PAL                       | 200                  | 0.5     | 0.06                 | 1            | 90               | NE               | 200              | NE            | 80           | 0.6        | 0.3           | 15                  | 6                    | 200                     | 85                 | 0.5                | 0.7                | 7                      | 20                       | 0.5                 | 140          | NE               | NE              | 0.5                | 12   | 0.5               | 10              | 200     | 14                     |                       | 0.5             | NE                     | 96                     | 0.02                   | 1000           |               |  |
|                | ES                        | 1000                 | 5       | 0.6                  | 10           | 460              | NE               | 1000             | NE            | 400          | 6          | 3             | 75                  | 60                   | 1000                    | 850                | 5                  | 7                  | 70                     | 100                      | 5                   | 700          | NE               | NE              | 5                  | 60   | 5                 | 50              | 1000    | 70                     |                       | 5               | NE                     | 480                    | 0.2                    | 10000          |               |  |
| P-114          | 6/5/2018 <sup>6</sup>     |                      |         |                      |              |                  |                  | 0.086 J          |               |              |            |               |                     |                      | 0.061 J                 |                    |                    |                    | 1.6                    |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>5.8</b>    |  |
| P-114          | 6/5/2018 Dup <sup>6</sup> |                      |         |                      |              |                  |                  |                  |               | 0.27         |            |               |                     |                      |                         |                    |                    |                    | 1.7                    |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>6.5</b>    |  |
| P-114          | 8/2/2018                  |                      |         |                      |              |                  |                  |                  |               | 0.44         |            |               |                     |                      |                         |                    |                    |                    | 1.6                    |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>6.2</b>    |  |
| P-114          | 8/2/2018 Dup              |                      |         |                      |              |                  |                  |                  |               | 0.28         |            |               |                     |                      |                         |                    |                    |                    | 1.6                    |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>6.0</b>    |  |
| P-114          | 10/31/2018                | 0.61 B               |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 1.5                    |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | <b>6.1</b>     |               |  |
| P-114          | 10/31/2018 Dup            |                      |         |                      |              |                  |                  |                  |               | 0.33         |            | 0.047 B       |                     |                      |                         |                    |                    |                    | 1.6                    |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | <b>6.5</b>     |               |  |



**Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| Sampling Point | Collection Date            | Parameters           |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |               |  |
|----------------|----------------------------|----------------------|---------|----------------------|--------------|------------------|------------------|------------------|---------------|--------------|------------|---------------|---------------------|----------------------|-------------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|---------------------|--------------|------------------|-----------------|--------------------|------|-------------------|-----------------|---------|------------------------|-----------------------|-----------------|------------------------|------------------------|------------------------|----------------|---------------|---------------|--|
|                |                            | Acetone <sup>1</sup> | Benzene | Bromodichloromethane | Bromomethane | 2-Butanone (MEK) | sec-Butylbenzene | Carbon Disulfide | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | 1,4-dichlorobenzene | Dibromochloromethane | Dichlorodifluoromethane | 1,1-Dichloroethane | 1,2-dichloroethane | 1,1-Dichloroethene | cis-1,2-dichloroethene | trans-1,2-Dichloroethene | 1,2-dichloropropane | Ethylbenzene | Isopropylbenzene | Isopropyl Ether | Methylene chloride | MTBE | Tetrachloroethene | Tetrahydrofuran | Toluene | 1,2,4-Trichlorobenzene | 1,1,1-Trichloroethane | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride | Total Xylenes |               |  |
| WDNR           | PAL                        | 200                  | 0.5     | 0.06                 | 1            | 90               | NE               | 200              | NE            | 80           | 0.6        | 0.3           | 15                  | 6                    | 200                     | 85                 | 0.5                | 0.7                | 7                      | 20                       | 0.5                 | 140          | NE               | NE              | 0.5                | 12   | 0.5               | 10              | 200     | 14                     |                       | 0.5             | NE                     | 96                     | 0.02                   | 1000           |               |               |  |
| NR140          | ES                         | 1000                 | 5       | 0.6                  | 10           | 460              | NE               | 1000             | NE            | 400          | 6          | 3             | 75                  | 60                   | 1000                    | 850                | 5                  | 7                  | 70                     | 100                      | 5                   | 700          | NE               | NE              | 5                  | 60   | 5                 | 50              | 1000    | 70                     |                       | 5               | NE                     | 480                    | 0.2                    | 10000          |               |               |  |
| P-115          | 1/15/2015                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>1.1</b>    |               |  |
| P-115          | 4/28/2015                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.1</b>    |  |
| P-115          | 7/1/2015                   |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.2</b>    |  |
| P-115          | 10/27/2015                 |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.1</b>    |  |
| P-115          | 1/14/2016                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>0.95 J</b> |  |
| P-115          | 4/13/2016                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.0</b>    |  |
| P-115          | 7/28/2016                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.1</b>    |  |
| P-115          | 10/27/2016                 |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>0.81 J</b> |  |
| P-115          | 4/6/2017                   |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.1</b>    |  |
| P-115          | 7/14/2017                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.0</b>    |  |
| P-115          | 10/18/2017                 |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.4</b>    |  |
| P-115          | 3/21/2018 <sup>5</sup>     |                      |         | NR                   |              |                  | NR               |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              | NR               | NR              |                    |      |                   |                 |         |                        |                       |                 |                        |                        | NR                     | NR             | <b>0.62 J</b> | NR            |  |
| P-115          | 3/21/2018 SIM <sup>5</sup> |                      |         | NR                   | NR           | NR               | NR               | NR               | NR            | NR           | NR         | NR            | NR                  |                      | NR                      | NR                 |                    | NR                 | NR                     | NR                       | NR                  | NR           | NR               | NR              | NR                 | NR   | NR                | NR              | NR      | NR                     | NR                    | NR              |                        | NR                     | NR                     | NR             | <b>0.85</b>   | NR            |  |
| P-115          | 6/5/2018 <sup>6</sup>      |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>0.98</b>   |  |
| P-115          | 8/2/2018                   |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>0.97</b>   |  |
| P-115          | 10/31/2018                 | 0.40 B               |         |                      |              |                  |                  |                  |               |              |            | 0.040 B       |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.0</b>    |  |





**Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| Sampling Point | Collection Date | Parameters           |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |
|----------------|-----------------|----------------------|---------|----------------------|--------------|------------------|------------------|------------------|---------------|--------------|------------|---------------|---------------------|----------------------|-------------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|---------------------|--------------|------------------|-----------------|--------------------|------|-------------------|-----------------|---------|------------------------|-----------------------|-----------------|------------------------|------------------------|------------------------|----------------|
|                |                 | Acetone <sup>1</sup> | Benzene | Bromodichloromethane | Bromomethane | 2-Butanone (MEK) | sec-Butylbenzene | Carbon Disulfide | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | 1,4-dichlorobenzene | Dibromochloromethane | Dichlorodifluoromethane | 1,1-Dichloroethane | 1,2-dichloroethane | 1,1-Dichloroethene | cis-1,2-dichloroethene | trans-1,2-Dichloroethene | 1,2-dichloropropane | Ethylbenzene | Isopropylbenzene | Isopropyl Ether | Methylene chloride | MTBE | Tetrachloroethene | Tetrahydrofuran | Toluene | 1,2,4-Trichlorobenzene | 1,1,1-Trichloroethane | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride |
| WDNR           | PAL             | 200                  | 0.5     | 0.06                 | 1            | 90               | NE               | 200              | NE            | 80           | 0.6        | 0.3           | 15                  | 6                    | 200                     | 85                 | 0.5                | 0.7                | 7                      | 20                       | 0.5                 | 140          | NE               | NE              | 0.5                | 12   | 0.5               | 10              | 200     | 14                     |                       | 0.5             | NE                     | 96                     | 0.02                   | 1000           |
| NR140          | ES              | 1000                 | 5       | 0.6                  | 10           | 460              | NE               | 1000             | NE            | 400          | 6          | 3             | 75                  | 60                   | 1000                    | 850                | 5                  | 7                  | 70                     | 100                      | 5                   | 700          | NE               | NE              | 5                  | 60   | 5                 | 50              | 1000    | 70                     |                       | 5               | NE                     | 480                    | 0.2                    | 10000          |

Results in µg/L (microgram per liter)

B = analyte found in method blank as well as sample

E = exceeds calibration range

J = estimated value between LOD and LOQ

LOD= Limit of Detection adjusted for dilution factor and percent moisture

LOQ= Limit of Quantitation adjusted for dilution factor and percent moisture

L = Lab Artifact

& = Laboratory control spike recovery not within control limits

NE = None Established

NA= Not Analyzed; no sample collected for analysis

NR = Value not reported by lab or not recorded during initial evaluation by Tetra Tech

PAL = Preventive Action Limit

ES = Enforcement Standard

Underline indicates exceeds NR 140 PAL

Bolding indicates exceeds NR 140 ES

Blank = Sample analyzed but No VOCs detected

Historical data for abandoned wells MW-105, P-105, P-109 and MW-110 can be found in reports prior to October 2004

\* Not sampled due to insufficient water for sample collection.

<sup>1</sup> The reporting of acetone on an 8260B VOC scan varies with labs. Enchem, which began analyzing samples in April 2003, does report acetone. Acetone has appeared in several wells beginning in October 2003.

<sup>2</sup> MW-103 had low concentrations of isopropyl ether detected in October 1997 and February 2002.

<sup>3</sup> Gastra residence connected to city's water supply July 13, 2015. Outside faucet connected to original well for sampling purposes.

<sup>4</sup> Perry residence connected to city's water supply September 7, 2015. Outside faucet connected to original well for sampling purposes.

<sup>5</sup> Test America began analyzing samples in March 2018. Both standard 8260C and 8260SIM analysis were performed, and reported.

<sup>6</sup> CT Laboratories began analyzing samples in June 2018. Low Level 8260C analysis performed and reported.

P-114 (former Ehster well)

P-115 (former Wiese well)

P-116 (former Hadel well)



**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID    | Compound              | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP** | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|------------|-----------------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|-------|------------------|-----------------------|-------|-------------|
|            |                       | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |       |                  |                       |       |             |
|            | Detection Range       | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |       |                  |                       |       |             |
|            | Target                | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50   | >0.5             |                       |       |             |
|            | Units                 | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV    | mg/l             | uS/cm                 | Units | °C          |
| MW-101     | 2/1/2007              |                              |                              |                  |                               |                 |                 |       |                  | 558                   | 6.59  | 7.4         |
|            | 5/1/2007              |                              |                              |                  |                               |                 |                 |       |                  | 1021                  | 6.92  | 13.1        |
|            | 5/6/2008              |                              |                              |                  |                               |                 |                 |       |                  | 782                   | 7.18  | 12.4        |
|            | 4/8/2009              |                              |                              |                  |                               |                 |                 |       |                  | 940                   | 6.75  | 12.5        |
|            | 10/29/2009            | <0.20                        | 0.39                         | >2.5             | >100                          | <0.2            | 0.015           | -98   | 3.17             | 914                   | 6.85  | 11.8        |
|            | 5/25/2010             | <0.20                        | 0.08                         | >2.5             | >100                          | <0.2            | 0.0192          | -73   | 1.65             | 961                   | 6.55  | 25.3        |
|            | 10/4/2010             | 0.08                         |                              |                  | >100                          |                 | 0.0136          | -63   | 2.13             | 1265                  | 6.95  | 15.8        |
|            | 1/26/2011             |                              |                              | >2.5             |                               |                 |                 | -14   | 2.51             | 938                   | 7.39  | 6.2         |
|            | 4/11/2011             |                              |                              |                  |                               |                 |                 |       |                  | 1020                  | 7.48  | 14.1        |
|            | 4/3/2012              |                              |                              |                  |                               |                 |                 |       |                  | 960                   | 7.10  | 13.0        |
| MW-103     | 2/1/2007              |                              |                              |                  |                               |                 |                 |       |                  | 2670                  | 6.95  | 5.7         |
|            | 5/2/2007              |                              |                              |                  |                               |                 |                 |       |                  | 1180                  | 6.64  | 10.8        |
|            | 10/18/2007            |                              |                              |                  |                               |                 |                 |       |                  | 1609                  | 6.74  | 13.0        |
|            | 5/5/2008              |                              |                              |                  |                               |                 |                 |       |                  | 1420                  | 7.06  | 12.2        |
|            | 10/2/2008             |                              |                              |                  |                               |                 |                 |       |                  | 1411                  | 6.69  | 11.3        |
|            | 4/7/2009              |                              |                              |                  |                               |                 |                 |       |                  | 1433                  | 7.17  | 10.3        |
|            | 10/28/2009            | <0.20                        | >0.80                        | 0.42             | >100                          | <0.2            | 0.00042         | 24    | 4.21             | 1780                  | 6.79  | 10.7        |
|            | 2/25/2010             | >1.5                         | <0.08                        | <0.1             | >100                          | <0.2            | <0.0028         | 55    | 4.1              | 2                     | 6.96  | 8.6         |
|            | 5/24/2010             | >1.5                         | <0.08                        | 0.11             | >100                          | <0.2            | <0.0028         | 86    | 2.84             | 2110                  | 6.49  | 17.7        |
|            | 10/4/2010             | >1.5                         |                              |                  | >100                          |                 | 0.0235          | 46    | 3.33             | 1920                  | 7.22  | 12.9        |
|            | 1/26/2011             |                              |                              | 0.09             |                               |                 |                 | 62    | 4.52             | 1700                  | 7.22  | 5.5         |
|            | 4/11/2011             |                              |                              | 0.07             |                               |                 |                 | 136   | 5.02             | 1217                  | 6.79  | 13.8        |
|            | 7/11/2011             |                              |                              | 0.13             |                               |                 |                 | 33    | 3.54             | 1660                  | 7.14  | 18.7        |
|            | 10/19/2011            |                              |                              | <0.1             |                               |                 |                 | 171   | 4.01             | 1580                  | 6.88  | 8.7         |
|            | 1/24/2012             |                              |                              | <0.1             |                               |                 |                 | 144   | 3.28             | 1930                  | 6.98  | 6.1         |
|            | 4/3/2012              |                              |                              | <0.1             |                               |                 |                 | 98    | 3.25             | 2130                  | 6.88  | 12.4        |
|            | 7/25/2012             |                              |                              | 0.323            |                               |                 |                 | 58    | 2.56             | 1950                  | 6.71  | 21.4        |
|            | 10/17/2012            |                              |                              | <0.1             |                               |                 |                 | 59    | 6.02             | 1690                  | 6.96  | 12.7        |
|            | 1/16/2013             |                              |                              | <0.1             |                               |                 |                 | 36    | 3.67             | 1730                  | 7.00  | 6.6         |
|            | 4/24/2013             |                              |                              | 0.394            |                               |                 |                 | 41    | 3.29             | 1454                  | 7.05  | 11.3        |
|            | 10/24/2013            |                              |                              | 0.207            |                               |                 |                 | 33    | 5.26             | 1356                  | 7.10  | 7.9         |
|            | 4/16/2014             |                              |                              | 0.177            |                               |                 |                 | 85    | 4.35             | 1210                  | 7.30  | 8.3         |
|            | 10/23/2014            |                              |                              | 0.25             |                               |                 |                 | 65    | 5.3              | 1387                  | 7.28  | 10.1        |
| 4/28/2015  |                       |                              | 0.274                        |                  |                               |                 | 47              | 4.16  | 1425             | 7.41                  | 11.7  |             |
| 4/12/2016  |                       |                              | 0.361                        |                  |                               |                 | 44              | 4.77  | 1392             | 7.14                  | 11.9  |             |
| 10/27/2016 |                       |                              | 0.295                        |                  |                               |                 | NM              | NM    | 1358             | 6.86                  | 9.0   |             |
| 4/5/2017   |                       |                              | 0.558                        |                  |                               |                 | 91              | 5.94  | 1371             | 7.00                  | 9.3   |             |
| 10/18/2017 |                       |                              | 0.06                         |                  |                               |                 | 17              | 4.65  | 1259             | 7.09                  | 13.6  |             |
| 6/4/2018   |                       |                              | 0.01                         |                  |                               |                 | 97              | 4.51  | 509              | 7.08                  | 16.9  |             |
| 10/31/2018 |                       |                              | 0.02                         |                  |                               |                 | 20              | 5.18  | 1078             | 7.07                  | 9.4   |             |
| MW-104     | 10/19/2011            |                              |                              |                  |                               |                 |                 |       |                  | 1312                  | 6.78  | 9.9         |
|            | 4/3/2012              |                              |                              |                  |                               |                 |                 |       |                  | 1134                  | 6.90  | 12.3        |
|            | 10/17/2012            |                              |                              |                  |                               |                 |                 |       |                  | 1517                  | 6.71  | 12.7        |
|            | 4/24/2013             |                              |                              |                  |                               |                 |                 |       |                  | 1396                  | 6.87  | 12.2        |
|            | 4/16/2014             |                              |                              |                  |                               |                 |                 |       |                  | 1138                  | 7.20  | 10.4        |
|            | 4/15/2015             |                              |                              |                  |                               |                 |                 |       |                  | 1205                  | 6.92  | 14.2        |
|            | 4/12/2016             |                              |                              |                  |                               |                 |                 |       |                  | 1130                  | 7.15  | 12.0        |
|            | 4/5/2017 <sup>1</sup> |                              |                              |                  |                               |                 |                 |       |                  | 1108                  | 6.53  | 10.4        |
| 6/4/2018   |                       |                              |                              |                  |                               |                 |                 |       | 1124             | 6.95                  | 16.7  |             |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP**  | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|--------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |        |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |        |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50    | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV     | mg/l             | uS/cm                 | Units | °C          |
| MW-107                | 4/21/2003       |                              |                              |                  |                               |                 | 0.13            | 185.70 | 21.27            | 1021                  | 7.00  | 9.84        |
|                       | 4/22/2003       |                              |                              |                  | 30                            |                 |                 | 74.10  | 5.70             | 1024                  | 7.06  | 10.32       |
|                       | 10/21/2003      | 3.3                          |                              |                  | 32                            |                 |                 | 79.30  | 5.80             | 1211                  | 6.92  | 9.64        |
|                       | 5/1/2007        |                              |                              |                  |                               |                 |                 |        |                  | 570                   | 6.93  | 10.5        |
|                       | 10/17/2007      |                              |                              |                  |                               |                 |                 |        |                  | 1297                  | 7.09  | 13.1        |
|                       | 5/5/2008        |                              |                              |                  |                               |                 |                 |        |                  | 796                   | 7.54  | 11.5        |
|                       | 10/1/2008       |                              |                              |                  |                               |                 |                 |        |                  | 1240                  | 6.86  | 10.1        |
|                       | 4/7/2009        |                              |                              |                  |                               |                 |                 |        |                  | 1226                  | 7.50  | 10.2        |
|                       | 10/28/2009      | >1.5                         | 0.18                         | 0.61             | >100                          | <0.2            | <0.000180       | -1     | 5.78             | 956                   | 7.13  | 11.6        |
|                       | 5/24/2010       | >1.5                         | 0.32                         | 1.86             | >100                          | 0.71            | <0.0028         | 61     | 3.08             | 1087                  | 6.89  | 20.7        |
|                       | 10/4/2010       | >1.5                         |                              | 0.7              | 49.95                         |                 | ND              | 76     | 6.38             | 1650                  | 7.62  | 10.6        |
|                       | 1/26/2011       |                              |                              | 0.85             |                               |                 |                 | 45     | 4.74             | 249                   | 7.35  | 6.0         |
|                       | 4/11/2011       |                              |                              |                  |                               |                 |                 |        |                  | 1100                  | 8.12  | 11.2        |
|                       | 10/18/2011      |                              |                              |                  |                               |                 |                 |        |                  | 1225                  | 7.51  | 10.1        |
|                       | 4/3/2012        |                              |                              |                  |                               |                 |                 |        |                  | 983                   | 7.50  | 11.5        |
|                       | 10/17/2012      |                              |                              |                  |                               |                 |                 |        |                  | 1076                  | 7.10  | 13.0        |
|                       | 4/24/2013       |                              |                              |                  |                               |                 |                 |        |                  | 1144                  | 7.34  | 11.0        |
|                       | 4/16/2014       |                              |                              |                  |                               |                 |                 |        |                  | 877                   | 7.61  | 10.9        |
|                       | 4/15/2015       |                              |                              |                  |                               |                 |                 |        |                  | 1078                  | 7.33  | 12.4        |
|                       | 4/12/2016       |                              |                              |                  |                               |                 |                 |        |                  | 1067                  | 7.85  | 11.8        |
| 4/5/2017 <sup>1</sup> |                 |                              |                              |                  |                               |                 |                 |        | 996              | 7.12                  | 9.2   |             |
| 6/4/2018              |                 |                              |                              |                  |                               |                 |                 |        | 1776             | 7.41                  | 16.1  |             |
| MW-111                | 12/5/2002       |                              |                              |                  |                               |                 |                 |        |                  | 866                   | 7.15  | 7.84        |
|                       | 8/8/2007        |                              |                              |                  |                               |                 |                 |        |                  | 920                   | 7.45  | 11.4        |
|                       | 5/5/2008        |                              |                              |                  |                               |                 |                 |        |                  | 732                   | 7.45  | 11.9        |
|                       | 4/7/2009        |                              |                              |                  |                               |                 |                 |        |                  | 867                   | 7.22  | 10.8        |
|                       | 10/28/2009      | >1.5                         | <0.08                        | 0.26             | >100                          | <0.2            | 0.00031         | 3      | 6.66             | 836                   | 6.66  | 11.4        |
|                       | 5/24/2010       | 1.09                         | 0.22                         | 1.39             | >100                          | 0.44            | <0.0028         | 71     | 2.73             | 958                   | 6.80  | 22.7        |
|                       | 10/4/2010       | 0.99                         |                              | 0.02             | >100                          |                 | ND              | 85     | 4.87             | 995                   | 7.72  | 9.6         |
|                       | 1/26/2011       |                              |                              | 0.25             |                               |                 |                 | 26     | 4.56             | 849                   | 7.28  | 7.6         |
|                       | 4/11/2011       |                              |                              |                  |                               |                 |                 |        |                  | 900                   | 7.94  | 11.2        |
|                       | 4/3/2012        |                              |                              |                  |                               |                 |                 |        |                  | 846                   | 7.60  | 11.7        |
| MW-112                | 7/11/2011       |                              |                              | >2.5             |                               |                 |                 | -51    | 1.49             | 951                   | 7.34  | 16.5        |
|                       | 10/19/2011      |                              |                              | >2.5             |                               |                 |                 | -46    | 1.12             | 907                   | 7.01  | 8.9         |
|                       | 1/24/2012       |                              |                              | >2.5             |                               |                 |                 | -26    | 1.32             | 1060                  | 7.16  | 8.0         |
|                       | 4/3/2012        |                              |                              | >2.5             |                               |                 |                 | -77    | 1.19             | 1210                  | 6.96  | 11.7        |
|                       | 7/25/2012       |                              |                              | >2.5             |                               |                 |                 | -75    | 1.37             | 1071                  | 6.89  | 18.9        |
|                       | 10/17/2012      |                              |                              | >2.5             |                               |                 |                 | -113   | 1.08             | 992                   | 7.15  | 12.7        |
|                       | 1/16/2013       |                              |                              | >2.5             |                               |                 |                 | -72    | 1.80             | 1003                  | 7.10  | 7.9         |
|                       | 4/24/2013       |                              |                              | >2.5             |                               |                 |                 | 45     | 1.56             | 1052                  | 7.11  | 12.1        |
|                       | 10/24/2013      |                              |                              | >2.5             |                               |                 |                 | 42     | 1.92             | 982                   | 7.43  | 8.6         |
|                       | 4/16/2014       |                              |                              | >2.5             |                               |                 |                 | -76    | 0.91             | 949                   | 7.36  | 9.9         |
|                       | 10/23/2014      |                              |                              | >2.5             |                               |                 |                 | 52     | 1.87             | 874                   | 7.42  | 9.9         |
|                       | 4/28/2015       |                              |                              | 2.296            |                               |                 |                 | 61     | 1.33             | 1018                  | 7.36  | 13.0        |
|                       | 10/28/2015      |                              |                              | >2.5             |                               |                 |                 | 59     | 1.79             | 905                   | 6.61  | 10.8        |
|                       | 4/12/2016       |                              |                              | >2.5             |                               |                 |                 | -39    | 1.39             | 904                   | 6.97  | 11.5        |
|                       | 10/27/2016      |                              |                              | >2.5             |                               |                 |                 | NM     | NM               | 907                   | 6.97  | 9.7         |
|                       | 4/5/2017        |                              |                              | >2.5             |                               |                 |                 | -19    | 1.57             | 937                   | 7.18  | 8.8         |
|                       | 10/18/2017      |                              |                              | >2.5             |                               |                 |                 | -74    | 1.20             | 1019                  | 7.09  | 13.3        |
|                       | 6/4/2018        |                              |                              | >2.5             |                               |                 |                 | -31    | 1.92             | 627                   | 7.14  | 17.8        |
| 10/31/2018            |                 |                              | 2.11                         |                  |                               |                 | -65             | 2.02   | 702              | 7.13                  | 10.9  |             |

**Table 3. Groundwater Natural Attenuation Parameters  
FF/NN Landfill, Ripon, WI**

| Well ID               | Compound              | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP**   | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|---------|------------------|-----------------------|-------|-------------|
|                       |                       | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |         |                  |                       |       |             |
|                       | Detection Range       | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |         |                  |                       |       |             |
|                       | Target                | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50     | >0.5             |                       |       |             |
|                       | Units                 | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV      | mg/l             | uS/cm                 | Units | °C          |
| P-101                 | 12/4/2002             |                              |                              |                  | 50                            |                 |                 | -53.5   | 0.08             | 843                   | 7.12  | 9.26        |
|                       | 4/22/2003             |                              |                              |                  | 51                            |                 |                 | -36.9   | 0.81             | 646                   | 7.46  | 10.12       |
|                       | 10/23/2003            | <0.058                       |                              |                  | 49                            |                 |                 | -65.5   | 0.66             | 754                   | 7.04  | 10.20       |
|                       | 5/1/2007              |                              |                              |                  |                               |                 |                 |         |                  | 828                   | 7.57  | 11.7        |
|                       | 5/6/2008              |                              |                              |                  |                               |                 |                 |         |                  | 735                   | 7.69  | 11.3        |
|                       | 4/8/2009              |                              |                              |                  |                               |                 |                 |         |                  | 749                   | 7.24  | 11.4        |
|                       | 10/29/2009            | 0.39                         | 0.12                         | 1.84             | 71.36                         | <0.2            | 0.00059         | -108    | 2.2              | 880                   | 7.32  | 11.2        |
|                       | 5/25/2010             | <0.20                        | <0.08                        | 1.38             | 70.81                         | <0.2            | <0.0028         | -48     | 1.04             | 925                   | 6.62  | 25.5        |
|                       | 10/4/2010             | 0.08                         |                              |                  | 69.72                         |                 | ND              | -92     | 1.9              | 948                   | 7.51  | 15.0        |
|                       | 1/26/2011             |                              |                              | 1.24             |                               |                 |                 | -31     | 2.65             | 829                   | 7.26  | 5.8         |
|                       | 4/11/2011             |                              |                              |                  |                               |                 |                 |         |                  | 840                   | 7.96  | 12.8        |
|                       | 4/3/2012              |                              |                              |                  |                               |                 |                 |         |                  | 776                   | 7.40  | 11.6        |
| P-103                 | 12/4/2002             |                              |                              |                  | 54                            |                 | 0.037           | -60.50  | 1.17             | 956                   | 7.00  | 9.49        |
|                       | 4/21/2003             |                              |                              |                  | 58                            |                 |                 | -29.90  | 0.71             | 388                   | 7.28  | 10.50       |
|                       | 10/22/2003            | 0.41                         |                              |                  | 54                            |                 |                 | -147.10 | 0.82             | 874                   | 7.17  | 10.06       |
|                       | 2/1/2007              |                              |                              |                  |                               |                 |                 | 172     | 0.53             | 903                   | 6.86  | 9.0         |
|                       | 5/2/2007              |                              |                              |                  |                               |                 |                 | 206     | 0.92             | 896                   | 6.78  | 9.9         |
|                       | 8/14/2007             |                              |                              |                  |                               |                 |                 | 226     | 0.70             | 863                   | 7.09  | 11.4        |
|                       | 10/18/2007            |                              |                              |                  |                               |                 |                 | 300     | 0.51             | 863                   | 6.35  | 11.0        |
|                       | 5/5/2008              |                              |                              |                  |                               |                 |                 | 30      | 0.93             | 956                   | 6.98  | 10.5        |
|                       | 10/2/2008             |                              |                              |                  |                               |                 |                 | 323     | 1.37             | 888                   | 6.70  | 10.8        |
|                       | 4/7/2009              |                              |                              |                  |                               |                 |                 | -95     | 1.09             | 813                   | 7.40  | 9.8         |
|                       | 10/28/2009            | 0.45                         | <0.08                        | <0.1             | 78.95                         | <0.2            | 0.052           | -125    | 0.85             | 739                   | 7.19  | 10.2        |
|                       | 2/25/2010             | >1.5                         | NM                           | NM               | 83.29                         | <0.2            | 0.0416          | -120    | 1.62             | 845                   | 7.25  | 9.0         |
|                       | 5/24/2010             | <0.20                        | <0.08                        | >2.5             | 89.8                          | <0.2            | 0.0489          | -104    | 0.38             | 815                   | 7.00  | 11.2        |
|                       | 10/5/2010             | 0.08                         |                              |                  | 85.02                         |                 | 0.0562          | -128    | 1.15             | 874                   | 7.86  | 10.9        |
|                       | 1/25/2011             |                              |                              | 2.5              |                               |                 |                 | -69     | 0.64             | 776                   | 7.60  | 9.3         |
|                       | 4/12/2011             |                              |                              | >2.5             |                               |                 |                 | -125    | 1.22             | 906                   | 7.19  | 10.0        |
|                       | 7/11/2011             |                              |                              | >2.5             |                               |                 |                 | -123    | 0.83             | 743                   | 7.92  | 11.5        |
|                       | 10/18/2011            |                              |                              | >2.5             |                               |                 |                 | -76     | 1.60             | 737                   | 7.38  | 10.3        |
|                       | 1/24/2012             |                              |                              | >2.5             |                               |                 |                 | -47     | 0.65             | 878                   | 7.27  | 9.0         |
|                       | 4/4/2012              |                              |                              | 2.489            |                               |                 |                 | -96     | 0.93             | 985                   | 7.26  | 10.2        |
|                       | 7/25/2012             |                              |                              | >2.5             |                               |                 |                 | -100    | 0.67             | 855                   | 6.94  | 11.7        |
|                       | 10/17/2012            |                              |                              | >2.5             |                               |                 |                 | -101    | 1.00             | 808                   | 6.83  | 10.5        |
|                       | 1/16/2013             |                              |                              | 2.102            |                               |                 |                 | -123    | 0.51             | 824                   | 7.15  | 9.3         |
|                       | 4/26/2013             |                              |                              | >2.5             |                               |                 |                 | -86     | 0.59             | 790                   | 7.45  | 10.4        |
|                       | 10/24/2013            |                              |                              | >2.5             |                               |                 |                 | 0       | 1.43             | 815                   | 6.29  | 10.0        |
|                       | 4/16/2014             |                              |                              | >2.5             |                               |                 |                 | -78     | 1.71             | 767                   | 7.56  | 9.5         |
|                       | 10/23/2014            |                              |                              | >2.5             |                               |                 |                 | 40      | 0.96             | 687                   | 7.16  | 10.2        |
|                       | 4/28/2015             |                              |                              | >2.5             |                               |                 |                 | 75      | 0.53             | 802                   | 7.03  | 9.9         |
|                       | 10/27/2015            |                              |                              | >2.5             |                               |                 |                 | 33      | 1.37             | 731                   | 7.61  | 10.2        |
|                       | 4/13/2016             |                              |                              | >2.5             |                               |                 |                 | -29     | 1.37             | 722                   | 6.81  | 9.3         |
| 10/27/2016            |                       |                              | >2.5                         |                  |                               |                 | -2              | 1.50    | 719              | 6.70                  | 10.1  |             |
| 4/6/2017 <sup>1</sup> |                       |                              | NM                           |                  |                               |                 | 90              | 1.13    | 730              | 6.28                  | 9.5   |             |
| 10/18/2017            |                       |                              | >2.5                         |                  |                               |                 | -76             | 0.85    | 789              | 7.16                  | 10.4  |             |
| 6/4/2018              |                       |                              | >2.5                         |                  |                               |                 | 96              | 4.54    | 501              | 7.08                  | 16.8  |             |
| 10/31/2018            |                       |                              | >2.5                         |                  |                               |                 | -90             | 0.83    | 700              | 7.02                  | 10.0  |             |
| P-106                 | 4/24/2013             |                              |                              |                  |                               |                 |                 | -6      | 3.17             | 764                   | 7.26  | 9.8         |
|                       | 4/16/2014             |                              |                              |                  |                               |                 |                 | -74     | 1.40             | 730                   | 7.67  | 9.5         |
|                       | 4/15/2015             |                              |                              |                  |                               |                 |                 | 63      | 0.57             | 770                   | 7.25  | 10.0        |
|                       | 4/12/2016             |                              |                              |                  |                               |                 |                 | -46     | 0.83             | 681                   | 6.79  | 9.8         |
|                       | 4/5/2017 <sup>1</sup> |                              |                              |                  |                               |                 |                 | -104    | 1.11             | 682                   | 7.47  | 9.7         |
|                       | 6/4/2018              |                              |                              |                  |                               |                 |                 | -73     | 0.57             | 481                   | 7.52  | 10.7        |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP**  | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|--------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |        |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |        |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50    | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV     | mg/l             | uS/cm                 | Units | °C          |
| P-107                 | 12/4/2002       | NM                           | NM                           | NM               | 66                            |                 | 0.11            | -28.00 | 0.86             | 791                   | 7.22  | 9.40        |
|                       | 4/21/2003       |                              |                              |                  | 74                            |                 |                 | 37.30  | 0.76             | 646                   | 7.43  | 9.62        |
|                       | 10/21/2003      | <0.058                       |                              |                  |                               |                 |                 | -70.40 | 0.92             | 716                   | 7.18  | 9.73        |
|                       | 5/1/2007        |                              |                              |                  |                               |                 |                 | 240    | 1.64             | 840                   | 6.66  | 9.6         |
|                       | 10/19/2007      |                              |                              |                  |                               |                 |                 | 330    | 1.80             | 863                   | 6.42  | 10.7        |
|                       | 5/5/2008        |                              |                              |                  |                               |                 |                 | 8      | 1.50             | 925                   | 7.50  | 11.0        |
|                       | 10/1/2008       |                              |                              |                  |                               |                 |                 | 350    | 2.63             | 923                   | 6.66  | 10.2        |
|                       | 4/7/2009        |                              |                              |                  |                               |                 |                 | -95    | 1.75             | 852                   | 7.34  | 9.0         |
|                       | 10/28/2009      | <0.20                        | <0.08                        | 1.68             | 89.8                          | <0.2            | 0.31            | -78    | 1.19             | 778                   | 7.08  | 10.9        |
|                       | 5/24/2010       | <0.20                        | <0.08                        | 1.76             | 99.39                         | <0.2            | 0.383           | -70    | 1.12             | 869                   | 6.92  | 13.2        |
|                       | 10/5/2010       | 0.06                         |                              |                  | 88.68                         |                 | 0.345           | -117   | 1.84             | 930                   | 7.86  | 10.8        |
|                       | 1/24/2011       |                              |                              | 1.33             |                               |                 |                 | -28    | 1.82             | 838                   | 6.73  | 7.8         |
|                       | 4/12/2011       |                              |                              |                  |                               |                 |                 | -68    | 1.39             | 966                   | 7.16  | 10.1        |
|                       | 10/18/2011      |                              |                              |                  |                               |                 |                 | -49    | 1.50             | 796                   | 7.34  | 10.4        |
|                       | 4/4/2012        |                              |                              |                  |                               |                 |                 | -82    | 1.64             | 1051                  | 7.26  | 10.2        |
|                       | 10/17/2012      |                              |                              |                  |                               |                 |                 | -88    | 1.55             | 886                   | 7.28  | 11.3        |
|                       | 4/26/2013       |                              |                              |                  |                               |                 |                 | -76    | 2.16             | 860                   | 7.53  | 10.8        |
|                       | 4/16/2014       |                              |                              |                  |                               |                 |                 | -69    | 1.77             | 847                   | 7.58  | 8.9         |
|                       | 4/15/2015       |                              |                              |                  |                               |                 |                 | 72     | 1.31             | 900                   | 7.26  | 11.0        |
| 4/13/2016             |                 |                              |                              |                  |                               |                 | -51             | 0.95   | 805              | 7.32                  | 7.7   |             |
| 4/6/2017 <sup>1</sup> |                 |                              |                              |                  |                               |                 | -70             | 1.57   | 813              | 7.37                  | 9.5   |             |
| 6/4/2018              |                 |                              |                              |                  |                               |                 | -34             | 1.08   | 418              | 7.37                  | 11.8  |             |
| P-111                 | 12/5/2002       |                              |                              |                  | 44                            |                 |                 | -88.30 | -0.03            | 639                   | 7.43  | 9.76        |
|                       | 4/22/2003       |                              |                              |                  | 39                            |                 |                 | -74.20 | 0.67             | 486                   | 7.71  | 12.06       |
|                       | 10/22/2003      | <0.058                       |                              |                  | 31                            |                 |                 | -94.00 | 0.75             | 566                   | 7.53  | 9.87        |
|                       | 8/14/2007       |                              |                              |                  |                               |                 |                 | 118    | 0.35             | 580                   | 7.46  | 11.1        |
|                       | 5/5/2008        |                              |                              |                  |                               |                 |                 | 65     | 0.35             | 614                   | 7.72  | 10.5        |
|                       | 4/7/2009        |                              |                              |                  |                               |                 |                 | -89    | 0.26             | 624                   | 7.62  | 9.1         |
|                       | 10/28/2009      | <0.20                        | <0.08                        | 0.53             | 64.03                         | <0.2            | 0.0085          | -140   | 0.48             | 616                   | 7.57  | 10.1        |
|                       | 5/24/2010       | <0.20                        | <0.08                        | 0.61             | 70.99                         | <0.2            | 0.0051          | -101   | 0.24             | 673                   | 7.25  | 10.5        |
|                       | 10/5/2010       | 0.06                         |                              |                  | 69.06                         |                 | 0.0065          | -131   | 0.28             | 715                   | 8.26  | 10.3        |
|                       | 1/24/2011       |                              |                              | 0.45             |                               |                 |                 | -98    | 0.58             | 632                   | 7.35  | 9.1         |
|                       | 4/13/2011       |                              |                              |                  |                               |                 |                 | -53    | 1.46             | 683                   | 6.99  | 9.7         |
|                       | 4/4/2012        |                              |                              |                  |                               |                 |                 | -104   | 0.60             | 832                   | 7.53  | 9.9         |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP** | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|-------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |       |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |       |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50   | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV    | mg/l             | uS/cm                 | Units | °C          |
| MW-3B                 | 12/5/2002       |                              |                              |                  | 36                            |                 |                 | -87   | -0.11            | 1248                  | 6.57  | 9.84        |
|                       | 12/5/2002       |                              |                              |                  | 36                            |                 |                 |       |                  |                       |       |             |
|                       | 4/22/2003       |                              |                              |                  | 46                            |                 |                 | -92   | 0.37             | 815                   | 7.18  | 9.86        |
|                       | 10/22/2003      | <0.058                       |                              |                  | 43                            |                 |                 | -161  | 0.55             | 662                   | 7.45  | 9.79        |
|                       | 1/31/2007       |                              |                              |                  |                               |                 |                 | 140   | 0.51             | 710                   | 7.27  | 8.2         |
|                       | 5/1/2007        |                              |                              |                  |                               |                 |                 | 125   | 1.32             | 703                   | 6.99  | 9.5         |
|                       | 8/8/2007        |                              |                              |                  |                               |                 |                 | -233  | 0.43             | 605                   | 7.49  | 10.3        |
|                       | 10/19/2007      |                              |                              |                  |                               |                 |                 | 170   | 0.29             | 598                   | 6.63  | 9.8         |
|                       | 5/6/2008        |                              |                              |                  |                               |                 |                 | 21    | 0.40             | 672                   | 7.89  | 9.7         |
|                       | 10/1/2008       |                              |                              |                  |                               |                 |                 | 334   | 1.35             | 646                   | 6.90  | 9.7         |
|                       | 4/7/2009        |                              |                              |                  |                               |                 |                 | -116  | 0.20             | 604                   | 7.48  | 8.8         |
|                       | 10/28/2009      | <0.20                        | <0.08                        | 0.72             | 37.68                         | <0.2            | 0.098           | -230  | 0.35             | 567                   | 7.65  | 9.4         |
|                       | 5/24/2010       | <0.20                        | <0.08                        | 0.78             | 50.67                         | <0.2            | 0.0275          | -176  | 0.17             | 650                   | 7.27  | 10.2        |
|                       | 10/5/2010       | 0.05                         |                              | 0.61             | 43.23                         |                 | 0.0159          | -161  | 8.80             | 697                   | 8.24  | 9.9         |
|                       | 1/24/2011       |                              |                              | 0.66             |                               |                 |                 | -109  | 0.44             | 614                   | 6.90  | 8.4         |
|                       | 4/13/2011       |                              |                              | 0.84             |                               |                 |                 | -207  | 0.52             | 694                   | 7.65  | 9.5         |
|                       | 7/12/2011       |                              |                              | 0.68             |                               |                 |                 | -195  | 0.96             | 591                   | 7.54  | 9.9         |
|                       | 10/19/2011      |                              |                              | 0.71             |                               |                 |                 | -171  | 2.18             | 604                   | 7.89  | 9.5         |
|                       | 1/23/2012       |                              |                              | 0.79             |                               |                 |                 | -110  | 0.28             | 734                   | 7.37  | 8.7         |
|                       | 4/4/2012        |                              |                              | 0.861            |                               |                 |                 | -151  | 1.39             | 811                   | 7.57  | 9.3         |
|                       | 7/25/2012       |                              |                              | 0.681            |                               |                 |                 | -231  | 0.39             | 693                   | 7.65  | 11.6        |
|                       | 10/16/2012      |                              |                              | 0.72             |                               |                 |                 | -157  | 0.42             | 675                   | 7.36  | 10.0        |
|                       | 1/15/2013       |                              |                              | 0.874            |                               |                 |                 | -233  | 1.60             | 702                   | 7.62  | 8.9         |
|                       | 4/26/2013       |                              |                              | 0.85             |                               |                 |                 | -158  | 2.59             | 681                   | 7.90  | 9.6         |
|                       | 7/2/2013        |                              |                              | 0.804            |                               |                 |                 | -91   | 0.35             | 707                   | 7.34  | 9.9         |
|                       | 10/24/2013      |                              |                              | 0.774            |                               |                 |                 | -18   | 0.59             | 684                   | 7.60  | 9.4         |
|                       | 1/9/2014        |                              |                              | 0.911            |                               |                 |                 | 10    | 1.82             | 640                   | 7.53  | 8.4         |
|                       | 4/17/2014       |                              |                              | 0.784            |                               |                 |                 | -142  | 1.01             | 679                   | 7.91  | 9.2         |
|                       | 7/17/2014       |                              |                              | 0.811            |                               |                 |                 | -22   | 0.38             | 708                   | 7.65  | 9.9         |
|                       | 10/23/2014      |                              |                              | 1.219            |                               |                 |                 | -189  | 0.29             | 622                   | 8.00  | 9.4         |
|                       | 1/15/2015       |                              |                              | 0.874            |                               |                 |                 | -196  | 0.48             | 669                   | 7.96  | 8.6         |
|                       | 4/28/2015       |                              |                              | <0.1             |                               |                 |                 | -127  | 0.84             | 736                   | 7.30  | 9.5         |
|                       | 7/1/2015        |                              |                              | 0.991            |                               |                 |                 | -144  | 0.42             | 694                   | 7.66  | 9.6         |
|                       | 10/27/2015      |                              |                              | 0.997            |                               |                 |                 | -114  | 0.48             | 667                   | 8.26  | 9.7         |
|                       | 1/14/2016       |                              |                              | 0.923            |                               |                 |                 | -59   | 0.28             | 633                   | 7.21  | 8.8         |
|                       | 4/13/2016       |                              |                              | 1.095            |                               |                 |                 | -140  | 0.31             | 666                   | 7.81  | 8.8         |
| 7/28/2016             |                 |                              | 1.19                         |                  |                               |                 | -234            | 0.29  | 584              | 7.89                  | 10.1  |             |
| 10/27/2016            |                 |                              | 1.137                        |                  |                               |                 | -203            | 0.44  | 684              | 7.50                  | 9.5   |             |
| 1/20/2017             |                 |                              | 1.335                        |                  |                               |                 | -136            | 0.42  | 722              | 7.50                  | 8.9   |             |
| 4/6/2017 <sup>1</sup> |                 |                              | NM                           |                  |                               |                 | -184            | 0.31  | 683              | 7.67                  | 9.2   |             |
| 7/14/2017             |                 |                              | 1.04                         |                  |                               |                 | -128            | 0.39  | 648              | 7.39                  | 9.8   |             |
| 10/18/2017            |                 |                              | 1.02                         |                  |                               |                 | -124            | 0.29  | 775              | 7.45                  | 10.1  |             |
| 3/21/2018             |                 |                              | 1.00                         |                  |                               |                 | -133            | 0.45  | 621              | 7.90                  | 8.9   |             |
| 6/4/2018              |                 |                              | 0.86                         |                  |                               |                 | -2              | 0.30  | 359              | 7.60                  | 9.8   |             |
| 8/2/2018              |                 |                              | 0.91                         |                  |                               |                 | -176            | 0.40  | 623              | 7.74                  | 9.9   |             |
| 10/31/2018            |                 |                              | NM                           |                  |                               |                 | -219            | 0.29  | 662              | 7.94                  | 9.7   |             |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP** | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|-------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |       |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |       |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50   | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV    | mg/l             | uS/cm                 | Units | °C          |
| P-103D                | 5/2/2007        |                              |                              |                  |                               |                 |                 | 260   | 0.57             | 879                   | 6.89  | 9.9         |
|                       | 10/18/2007      |                              |                              |                  |                               |                 |                 | 321   | 0.54             | 854                   | 6.43  | 11.2        |
|                       | 5/5/2008        |                              |                              |                  |                               |                 |                 | 20    | 0.63             | 935                   | 7.02  | 10.8        |
|                       | 10/2/2008       |                              |                              |                  |                               |                 |                 | 327   | 3.40             | 877                   | 6.85  | 10.7        |
|                       | 4/7/2010        |                              |                              |                  |                               |                 |                 | -110  | 0.45             | 808                   | 7.61  | 10.0        |
|                       | 10/28/2009      | <0.20                        | 0.17                         | >2.5             | 76.38                         | <0.2            | 0.098           | -146  | 0.52             | 746                   | 7.30  | 10.2        |
|                       | 2/25/2010       |                              | <0.08                        | >2.5             | 78.05                         | <0.2            | 0.0747          | -146  | 0.76             | 842                   | 7.39  | 9.2         |
|                       | 5/24/2010       | <0.20                        | <0.08                        | >2.5             | 88.88                         | <0.2            | 0.0303          | -111  | 0.37             | 853                   | 7.08  | 11.1        |
|                       | 10/5/2010       | 0.11                         |                              |                  | 93.48                         |                 | <b>0.0659</b>   | -147  | 1.10             | 898                   | 7.97  | 10.9        |
|                       | 1/25/2011       |                              |                              | >2.5             |                               |                 |                 | -71   | 0.73             | 781                   | 7.56  | 9.4         |
|                       | 4/12/2011       |                              |                              | >2.5             |                               |                 |                 | -132  | 1.09             | 906                   | 7.26  | 10.2        |
|                       | 7/11/2011       |                              |                              | >2.5             |                               |                 |                 | -138  | 1.34             | 751                   | 8.12  | 11.6        |
|                       | 10/18/2011      |                              |                              | >2.5             |                               |                 |                 | -82   | 1.28             | 768                   | 7.41  | 10.2        |
|                       | 1/24/2012       |                              |                              | >2.5             |                               |                 |                 | -64   | 0.40             | 895                   | 7.28  | 9.3         |
|                       | 4/4/2012        |                              |                              | >2.5             |                               |                 |                 | -114  | 0.59             | 1004                  | 7.36  | 10.2        |
|                       | 7/25/2012       |                              |                              | >2.5             |                               |                 |                 | -109  | 0.78             | 846                   | 6.75  | 11.4        |
|                       | 10/17/2012      |                              |                              | >2.5             |                               |                 |                 | -115  | 1.74             | 835                   | 7.13  | 10.4        |
|                       | 1/16/2013       |                              |                              | 1.715            |                               |                 |                 | -129  | 0.31             | 832                   | 7.00  | 9.4         |
|                       | 4/26/2013       |                              |                              | >2.5             |                               |                 |                 | -97   | 1.41             | 806                   | 7.50  | 10.4        |
|                       | 7/2/2013        |                              |                              | >2.5             |                               |                 |                 | 6     | 0.57             | 839                   | 6.56  | 10.7        |
|                       | 10/24/2013      |                              |                              | >2.5             |                               |                 |                 | 74    | 0.40             | 835                   | 6.67  | 9.9         |
|                       | 1/9/2014        |                              |                              | >2.5             |                               |                 |                 | 62    | 2.03             | 754                   | 6.91  | 8.9         |
|                       | 4/16/2014       |                              |                              | >2.5             |                               |                 |                 | -103  | 0.74             | 784                   | 7.69  | 9.8         |
|                       | 7/17/2014       |                              |                              | 0.754            |                               |                 |                 | 97    | 0.82             | 822                   | 6.61  | 10.8        |
|                       | 10/23/2014      |                              |                              | >2.5             |                               |                 |                 | 68    | 0.69             | 701                   | 6.86  | 10.2        |
|                       | 1/15/2015       |                              |                              | >2.5             |                               |                 |                 | -42   | 1.48             | 754                   | 6.92  | 9.1         |
|                       | 4/28/2015       |                              |                              | >2.5             |                               |                 |                 | -38   | 0.58             | 823                   | 6.75  | 10.3        |
|                       | 7/1/2015        |                              |                              | >2.5             |                               |                 |                 | -20   | 0.87             | 782                   | 6.63  | 10.5        |
|                       | 10/27/2015      |                              |                              | >2.5             |                               |                 |                 | 44    | 0.39             | 758                   | 6.48  | 10.3        |
|                       | 1/14/2016       |                              |                              | >2.5             |                               |                 |                 | 23    | 0.76             | 713                   | 6.47  | 9.2         |
|                       | 4/13/2016       |                              |                              | >2.5             |                               |                 |                 | -49   | 0.41             | 794                   | 9.03  | 9.3         |
|                       | 7/28/2016       |                              |                              | >2.5             |                               |                 |                 | -29   | 0.76             | 748                   | 6.85  | 10.8        |
|                       | 10/27/2016      |                              |                              | >2.5             |                               |                 |                 | 29    | 0.91             | 744                   | 6.40  | 10.1        |
| 1/20/2017             |                 |                              | >2.5                         |                  |                               |                 | 61              | 1.05  | 752              | 6.44                  | 9.5   |             |
| 4/6/2017 <sup>1</sup> |                 |                              | NM                           |                  |                               |                 | -41             | 1.54  | 751              | 7.27                  | 9.7   |             |
| 7/14/2017             |                 |                              | >2.5                         |                  |                               |                 | -61             | 0.41  | 711              | 7.02                  | 10.4  |             |
| 10/18/2017            |                 |                              | >2.5                         |                  |                               |                 | -55             | 0.59  | 810              | 7.13                  | 10.4  |             |
| 3/21/2018             |                 |                              | >2.5                         |                  |                               |                 | -127            | 0.57  | 685              | 7.46                  | 9.3   |             |
| 6/4/2018              |                 |                              | >2.5                         |                  |                               |                 | -31             | 0.60  | 439              | 7.38                  | 10.7  |             |
| 8/2/2018              |                 |                              | >2.5                         |                  |                               |                 | -49             | 0.63  | 726              | 6.88                  | 10.5  |             |
| 10/31/2018            |                 |                              | 2.13                         |                  |                               |                 | -99             | 0.65  | 735              | 6.84                  | 10.0  |             |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP**  | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|--------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |        |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |        |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50    | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV     | mg/l             | uS/cm                 | Units | °C          |
| P-111D                | 12/5/2002       |                              |                              |                  | 62                            |                 |                 | -75.60 | -0.02            | 910                   | 7.32  | 9.75        |
|                       | 4/23/2003       |                              |                              |                  | 64                            |                 |                 | -20.50 | 0.94             | 706                   | 7.63  | 9.98        |
|                       | 10/23/2003      | <0.058                       |                              |                  | 65                            |                 |                 | -68.30 | 0.70             | 838                   | 7.17  | 9.78        |
|                       | 1/31/2007       |                              |                              |                  |                               |                 |                 | 74     | 0.72             | 885                   | 7.30  | 8.9         |
|                       | 5/1/2007        |                              |                              |                  |                               |                 |                 | 78     | 3.37             | 900                   | 7.05  | 10.0        |
|                       | 8/8/2007        |                              |                              |                  |                               |                 |                 | 55     | 0.55             | 900                   | 7.25  | 10.9        |
|                       | 10/19/2007      |                              |                              |                  |                               |                 |                 | 296    | 0.53             | 897                   | 6.90  | 10.7        |
|                       | 5/6/2008        |                              |                              |                  |                               |                 |                 | 15     | 0.56             | 980                   | 7.56  | 10.6        |
|                       | 10/1/2008       |                              |                              |                  |                               |                 |                 | 330    | 2.31             | 907                   | 7.07  | 10.0        |
|                       | 4/7/2009        |                              |                              |                  |                               |                 |                 | -97    | 1.98             | 821                   | 7.52  | 9.3         |
|                       | 10/28/2009      | <0.20                        | <0.08                        | 1.79             | 60.63                         | <0.2            | 0.33            | -171   | 0.46             | 764                   | 7.51  | 10.0        |
|                       | 2/25/2010       | 0.43                         | <0.08                        | 1.62             | 65.7                          | <0.2            | 0.123           | -125   | 0.86             | 871                   | 7.45  | 6.0         |
|                       | 5/24/2010       | <0.20                        | <0.08                        | 1.83             | 70.59                         | 0.25            | 0.31/0.239 Dup  | -136   | 0.24             | 840                   | 7.21  | 10.7        |
|                       | 10/5/2010       | 0.08                         |                              | 1.75             | 61.2                          |                 | 0.269/0.222 Dup | -148   | 0.75             | 886                   | 8.13  | 10.3        |
|                       | 1/24/2011       |                              |                              | 1.72             |                               |                 |                 | -101   | 0.77             | 801                   | 6.83  | 8.9         |
|                       | 4/13/2011       |                              |                              | 1.89             |                               |                 |                 | -126   | 0.42             | 873                   | 7.19  | 9.9         |
|                       | 7/11/2011       |                              |                              | 1.87             |                               |                 |                 | -178   | 0.88             | 759                   | 7.37  | 11.0        |
|                       | 10/18/2011      |                              |                              | 1.57             |                               |                 |                 | -95    | 2.43             | 752                   | 7.71  | 10.0        |
|                       | 1/23/2012       |                              |                              | 1.87             |                               |                 |                 | -68    | 0.33             | 898                   | 7.31  | 9.3         |
|                       | 4/4/2012        |                              |                              | 1.693            |                               |                 |                 | -128   | 0.72             | 1009                  | 7.50  | 10.0        |
|                       | 7/25/2012       |                              |                              | 1.227            |                               |                 |                 | -171   | 0.65             | 850                   | 7.49  | 11.5        |
|                       | 10/17/2012      |                              |                              | 1.324            |                               |                 |                 | -131   | 0.51             | 838                   | 7.56  | 10.5        |
|                       | 1/16/2013       |                              |                              | 0.339            |                               |                 |                 | -177   | 1.93             | 870                   | 7.45  | 9.4         |
|                       | 4/26/2013       |                              |                              | 1.486            |                               |                 |                 | -114   | 1.16             | 838                   | 7.71  | 10.5        |
|                       | 7/2/2013        |                              |                              | 1.505            |                               |                 |                 | -53    | 1.38             | 870                   | 7.27  | 10.5        |
|                       | 10/24/2013      |                              |                              | 1.302            |                               |                 |                 | 31     | 0.53             | 853                   | 7.46  | 9.8         |
|                       | 1/9/2014        |                              |                              | 1.451            |                               |                 |                 | 88     | 2.90             | 790                   | 6.54  | 9.0         |
|                       | 4/17/2014       |                              |                              | 1.495            |                               |                 |                 | -106   | 0.53             | 839                   | 7.86  | 9.6         |
|                       | 7/17/2014       |                              |                              | <0.1             |                               |                 |                 | 62     | 0.37             | 879                   | 7.51  | 10.6        |
|                       | 10/23/2014      |                              |                              | 1.419            |                               |                 |                 | -93    | 0.43             | 753                   | 7.99  | 9.9         |
|                       | 1/15/2015       |                              |                              | 1.227            |                               |                 |                 | -179   | 0.49             | 814                   | 7.81  | 9.2         |
|                       | 4/28/2015       |                              |                              | 0.231            |                               |                 |                 | 3      | 0.27             | 886                   | 7.94  | 10.0        |
|                       | 7/1/2015        |                              |                              | 1.157            |                               |                 |                 | -103   | 0.44             | 842                   | 7.44  | 10.2        |
|                       | 10/27/2015      |                              |                              | 1.241            |                               |                 |                 | -49    | 1.37             | 817                   | 7.72  | 10.2        |
|                       | 1/14/2016       |                              |                              | 1.31             |                               |                 |                 | -37    | 0.50             | 794                   | 7.12  | 9.1         |
|                       | 4/13/2016       |                              |                              | 1.493            |                               |                 |                 | -97    | 0.40             | 827                   | 7.54  | 9.2         |
| 7/28/2016             |                 |                              | 1.073                        |                  |                               |                 | -157            | 0.43   | 823              | 7.60                  | 10.8  |             |
| 10/27/2016            |                 |                              | 1.102                        |                  |                               |                 | -94             | 0.78   | 828              | 7.26                  | 9.9   |             |
| 1/20/2017             |                 |                              | 1.309                        |                  |                               |                 | 13              | 0.59   | 837              | 7.19                  | 9.4   |             |
| 4/6/2017 <sup>1</sup> |                 |                              | NM                           |                  |                               |                 | 31              | 0.54   | 849              | 7.24                  | 9.7   |             |
| 7/14/2017             |                 |                              | 1.03                         |                  |                               |                 | -126            | 0.40   | 790              | 7.37                  | 10.2  |             |
| 10/18/2017            |                 |                              | 0.75                         |                  |                               |                 | -93             | 0.50   | 920              | 7.46                  | 10.5  |             |
| 3/21/2018             |                 |                              | 0.9                          |                  |                               |                 | -120            | 0.60   | 752              | 7.83                  | 9.2   |             |
| 6/5/2018              |                 |                              | 1.19                         |                  |                               |                 | -57             | 2.04   | 433              | 7.55                  | 10.1  |             |
| 8/2/2018              |                 |                              | 0.93                         |                  |                               |                 | -76             | 1.20   | 796              | 7.37                  | 10.3  |             |
| 10/31/2018            |                 |                              | 1.13                         |                  |                               |                 | -101            | 0.53   | 813              | 7.51                  | 9.9   |             |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP**   | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|---------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |         |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |         |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50     | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV      | mg/l             | uS/cm                 | Units | °C          |
| P-113B                | 12/3/2002       |                              |                              |                  | 47                            |                 |                 | 27.20   | 0.39             | 960                   | 6.80  | 10.18       |
|                       | 4/23/2003       |                              |                              |                  | 56                            |                 |                 | -54.30  | 1.05             | 715                   | 7.22  | 10.13       |
|                       | 10/22/2003      | <0.058                       |                              |                  | 49                            |                 |                 | -125.40 | 0.46             | 616                   | 7.42  | 10.13       |
|                       | 1/31/2007       |                              |                              |                  |                               |                 |                 | 109     | 0.40             | 620                   | 7.33  | 8.8         |
|                       | 5/1/2007        |                              |                              |                  |                               |                 |                 | 113     | 1.03             | 625                   | 7.03  | 10.2        |
|                       | 8/14/2007       |                              |                              |                  |                               |                 |                 | 110     | 0.28             | 618                   | 7.28  | 11.1        |
|                       | 10/22/2007      |                              |                              |                  |                               |                 |                 | 252     | 0.53             | 629                   | 6.70  | 10.3        |
|                       | 5/6/2008        |                              |                              |                  |                               |                 |                 | -16     | 0.33             | 716                   | 7.31  | 10.3        |
|                       | 10/2/2008       |                              |                              |                  |                               |                 |                 | 328     | 2.47             | 674                   | 7.12  | 10.6        |
|                       | 4/6/2009        |                              |                              |                  |                               |                 |                 | -122    | 0.40             | 627                   | 7.54  | 9.2         |
|                       | 10/29/2009      | <0.20                        | <0.08                        | 0.83             | 70.14                         | <0.2            | 0.057           | -187    | 0.42             | 579                   | 7.33  | 10.3        |
|                       | 5/25/2010       | <0.20                        | <0.08                        | 1.19             | 80.11                         | <0.2            | <0.0028         | -145    | 0.17             | 646                   | 7.26  | 10.9        |
|                       | 10/6/2010       | 0.1                          |                              | 0.98             | 75.55                         |                 | ND              | -183    | 0.35             | 685                   | 8.09  | 11.0        |
|                       | 1/25/2011       |                              |                              | 0.9              |                               |                 |                 | -86     | 0.94             | 619                   | 7.50  | 9.8         |
|                       | 4/13/2011       |                              |                              | 1.11             |                               |                 |                 | -164    | 1.11             | 675                   | 7.44  | 10.2        |
|                       | 7/12/2011       |                              |                              | 0.99             |                               |                 |                 | -164    | 0.47             | 588                   | 7.43  | 10.5        |
|                       | 10/19/2011      |                              |                              | 0.94             |                               |                 |                 | -118    | 0.50             | 588                   | 7.71  | 10.2        |
|                       | 1/23/2012       |                              |                              | 0.99             |                               |                 |                 | -75     | 0.29             | 703                   | 7.57  | 9.3         |
|                       | 4/4/2012        |                              |                              | 1.034            |                               |                 |                 | -104    | 0.72             | 783                   | 7.08  | 9.7         |
|                       | 7/25/2012       |                              |                              | 0.947            |                               |                 |                 | -167    | 0.67             | 668                   | 7.56  | 11.5        |
|                       | 10/16/2012      |                              |                              | 0.998            |                               |                 |                 | -117    | 0.43             | 655                   | 7.51  | 11.0        |
|                       | 1/15/2013       |                              |                              | 1.06             |                               |                 |                 | -106    | 0.71             | 674                   | 7.40  | 9.2         |
|                       | 4/26/2013       |                              |                              | 0.938            |                               |                 |                 | -125    | 0.78             | 651                   | 7.84  | 10.3        |
|                       | 7/2/2013        |                              |                              | 1.081            |                               |                 |                 | -80     | 1.01             | 679                   | 7.41  | 10.7        |
|                       | 10/24/2013      |                              |                              | 0.879            |                               |                 |                 | -96     | 1.29             | 675                   | 7.20  | 10.6        |
|                       | 1/9/2014        |                              |                              | 0.955            |                               |                 |                 | -25     | 1.93             | 614                   | 7.50  | 9.4         |
|                       | 4/17/2014       |                              |                              | <0.1             |                               |                 |                 | -94     | 0.99             | 642                   | 7.85  | 9.4         |
|                       | 7/17/2014       |                              |                              | <0.1             |                               |                 |                 | -18     | 0.32             | 675                   | 7.78  | 10.7        |
|                       | 10/23/2014      |                              |                              | 0.668            |                               |                 |                 | -154    | 0.43             | 582                   | 7.84  | 10.4        |
|                       | 1/15/2015       |                              |                              | 1.048            |                               |                 |                 | -213    | 0.90             | 630                   | 7.70  | 9.7         |
|                       | 4/28/2015       |                              |                              | <0.1             |                               |                 |                 | -123    | 1.34             | 685                   | 7.30  | 10.1        |
|                       | 7/1/2015        |                              |                              | 1.058            |                               |                 |                 | -120    | 0.79             | 647                   | 7.68  | 10.2        |
|                       | 10/27/2015      |                              |                              | 1.071            |                               |                 |                 | -98     | 0.27             | 633                   | 7.35  | 10.5        |
| 1/14/2016             |                 |                              | 1.018                        |                  |                               |                 | -227            | 0.54    | 639              | 8.70                  | 9.4   |             |
| 4/13/2016             |                 |                              | 1.098                        |                  |                               |                 | -135            | 0.35    | 626              | 7.81                  | 9.4   |             |
| 7/28/2016             |                 |                              | 0.968                        |                  |                               |                 | -229            | 0.46    | 633              | 7.79                  | 10.7  |             |
| 10/27/2016            |                 |                              | 0.922                        |                  |                               |                 | -88             | 0.92    | 632              | 7.43                  | 10.1  |             |
| 1/20/2017             |                 |                              | 1.341                        |                  |                               |                 | -118            | 0.56    | 668              | 7.57                  | 9.7   |             |
| 4/6/2017 <sup>1</sup> |                 |                              | NM                           |                  |                               |                 | -138            | 0.52    | 638              | 7.64                  | 9.8   |             |
| 7/14/2017             |                 |                              | 1.04                         |                  |                               |                 | -154            | 0.82    | 605              | 7.46                  | 10.6  |             |
| 10/18/2017            |                 |                              | 0.99                         |                  |                               |                 | -117            | 0.48    | 721              | 7.53                  | 11.3  |             |
| 3/21/2018             |                 |                              | 1.06                         |                  |                               |                 | -132            | 0.59    | 579              | 7.92                  | 9.5   |             |
| 6/5/2018              |                 |                              | 0.69                         |                  |                               |                 | -79             | 0.64    | 215              | 7.67                  | 10.4  |             |
| 8/2/2018              |                 |                              | 1.00                         |                  |                               |                 | -112            | 0.57    | 601              | 7.56                  | 10.5  |             |
| 10/31/2018            |                 |                              | 0.89                         |                  |                               |                 | -143            | 0.29    | 624              | 7.71                  | 10.9  |             |



**Table 3. Groundwater Natural Attenuation Parameters  
FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP**   | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|---------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |         |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |         |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50     | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV      | mg/l             | uS/cm                 | Units | °C          |
| P-114 (Ehster)        | 12/3/2002       |                              |                              |                  | 44                            |                 |                 |         |                  | 695                   | 7.71  | 11.10       |
|                       | 4/23/2003       |                              |                              |                  | 63                            |                 |                 | -117.00 | 0.85             | 669                   | 7.71  | 10.00       |
|                       | 10/23/2003      | <0.058                       |                              |                  | 49                            |                 |                 | -125.10 | 0.54             | 1379                  | 7.31  | 9.87        |
|                       | 2/1/2007        |                              |                              |                  |                               |                 |                 | 151     | 0.21             | 674                   | 7.27  | 9.9         |
|                       | 5/1/2007        |                              |                              |                  |                               |                 |                 | 149     | 0.96             | 686                   | 7.08  | 10.2        |
|                       | 8/8/2007        |                              |                              |                  |                               |                 |                 | 202     | 0.34             | 667                   | 7.45  | 11.0        |
|                       | 10/22/2007      |                              |                              |                  |                               |                 |                 | 313     | 0.90             | 670                   | 6.71  | 10.2        |
|                       | 5/6/2008        |                              |                              |                  |                               |                 |                 | 14      | 0.74             | 775                   | 7.23  | 10.2        |
|                       | 10/2/2008       |                              |                              |                  |                               |                 |                 | 307     | 2.34             | 737                   | 7.01  | 10.4        |
|                       | 4/6/2009        |                              |                              |                  |                               |                 |                 | -76     | 0.45             | 687                   | 7.58  | 9.5         |
|                       | 10/29/2009      | 0.22                         | <0.08                        | 0.56             | 50.61                         | <0.2            | 0.28            | -120    | 0.44             | 636                   | 7.41  | 10.0        |
|                       | 2/26/2010       | 0.61                         | 0.11                         | 0.54             | 49.43                         | <0.2            | 0.285           | -148    | 0.35             | 707                   | 7.62  | 9.2         |
|                       | 5/26/2010       | <0.20                        | 0.15                         | 0.6              | 57.47                         | <0.2            | 0.138/0.194 Dup | -129    | 0.66             | 703                   | 7.27  | 10.4        |
|                       | 10/6/2010       | 0.11                         |                              | 0.72             | 57.18                         |                 | 0.186/0.224 Dup | -182    | 0.86             | 766                   | 8.28  | 10.6        |
|                       | 1/25/2011       |                              |                              | 0.6              |                               |                 |                 | -58     | 0.42             | 679                   | 7.60  | 9.3         |
|                       | 4/13/2011       |                              |                              | 0.65             |                               |                 |                 | -147    | 0.42             | 744                   | 7.49  | 9.9         |
|                       | 7/12/2011       |                              |                              | 0.57             |                               |                 |                 | -134    | 1.95             | 646                   | 7.48  | 10.5        |
|                       | 10/19/2011      |                              |                              | 0.62             |                               |                 |                 | -123    | 1.49             | 652                   | 7.82  | 10.0        |
|                       | 1/23/2012       |                              |                              | 0.93             |                               |                 |                 | -78     | 0.35             | 785                   | 7.60  | 9.1         |
|                       | 4/4/2012        |                              |                              | 0.598            |                               |                 |                 | -116    | 0.66             | 873                   | 7.63  | 9.8         |
|                       | 7/25/2012       |                              |                              | 0.556            |                               |                 |                 | -200    | 0.40             | 748                   | 7.63  | 11.0        |
|                       | 10/17/2012      |                              |                              | 0.757            |                               |                 |                 | -131    | 0.76             | 733                   | 7.55  | 10.5        |
|                       | 1/16/2013       |                              |                              | <0.1             |                               |                 |                 | -184    | 0.43             | 753                   | 7.55  | 9.4         |
|                       | 4/26/2013       |                              |                              | 0.96             |                               |                 |                 | 3       | 1.56             | 731                   | 7.61  | 9.7         |
|                       | 7/2/2013        |                              |                              | 0.721            |                               |                 |                 | -88     | 0.34             | 766                   | 7.47  | 10.5        |
|                       | 10/24/2013      |                              |                              | 0.726            |                               |                 |                 | -89     | 0.37             | 772                   | 7.29  | 9.9         |
|                       | 1/9/2014        |                              |                              | 0.64             |                               |                 |                 | -21     | 1.18             | 694                   | 7.58  | 9.2         |
|                       | 4/17/2014       |                              |                              | 0.755            |                               |                 |                 | -120    | 0.63             | 730                   | 7.95  | 9.7         |
|                       | 7/17/2014       |                              |                              | <0.1             |                               |                 |                 | -17     | 0.33             | 774                   | 7.86  | 10.1        |
|                       | 10/23/2014      |                              |                              | 1.027            |                               |                 |                 | -110    | 0.27             | 667                   | 7.91  | 10.0        |
|                       | 1/15/2015       |                              |                              | 0.747            |                               |                 |                 | -194    | 0.37             | 720                   | 7.93  | 9.3         |
|                       | 4/28/2015       |                              |                              | <0.1             |                               |                 |                 | -38     | 0.23             | 775                   | 8.20  | 9.7         |
|                       | 7/1/2015        |                              |                              | 0.806            |                               |                 |                 | -113    | 0.41             | 744                   | 7.67  | 10.2        |
| 10/27/2015            |                 |                              | 1.863                        |                  |                               |                 | -119            | 0.30    | 731              | 7.57                  | 10.1  |             |
| 1/14/2016             |                 |                              | 0.691                        |                  |                               |                 | -72             | 0.43    | 697              | 7.76                  | 9.3   |             |
| 4/13/2016             |                 |                              | 0.811                        |                  |                               |                 | -137            | 0.30    | 719              | 7.86                  | 9.4   |             |
| 7/28/2016             |                 |                              | 0.81                         |                  |                               |                 | -228            | 0.33    | 731              | 7.83                  | 10.5  |             |
| 10/27/2016            |                 |                              | 0.749                        |                  |                               |                 | -167            | 0.28    | 732              | 7.49                  | 10.0  |             |
| 1/20/2017             |                 |                              | 1.148                        |                  |                               |                 | -122            | 0.26    | 780              | 7.56                  | 9.4   |             |
| 4/6/2017 <sup>1</sup> |                 |                              | NM                           |                  |                               |                 | -134            | 0.39    | 745              | 7.70                  | 9.7   |             |
| 7/14/2017             |                 |                              | 0.79                         |                  |                               |                 | -166            | 0.27    | 700              | 7.48                  | 10.3  |             |
| 10/18/2017            |                 |                              | 0.77                         |                  |                               |                 | -137            | 0.51    | 824              | 7.63                  | 10.7  |             |
| 3/21/2018             |                 |                              | 0.82                         |                  |                               |                 | -137            | 0.28    | 678              | 7.94                  | 9.5   |             |
| 6/5/2018              |                 |                              | 0.81                         |                  |                               |                 | -80             | 0.28    | 328              | 7.70                  | 10.3  |             |
| 8/2/2018              |                 |                              | 0.90                         |                  |                               |                 | -108            | 0.32    | 681              | 7.64                  | 10.5  |             |
| 10/31/2018            |                 |                              | 0.76                         |                  |                               |                 | -141            | 0.21    | 727              | 7.59                  | 10.1  |             |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID                   | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP** | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|---------------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|-------|------------------|-----------------------|-------|-------------|
|                           |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |       |                  |                       |       |             |
|                           | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |       |                  |                       |       |             |
|                           | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50   | >0.5             |                       |       |             |
|                           | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV    | mg/l             | uS/cm                 | Units | °C          |
| P-115 (former Wiese well) | 2/1/2007        |                              |                              |                  |                               |                 |                 | 128   | 0.29             | 590                   | 7.35  | 9.6         |
|                           | 5/1/2007        |                              |                              |                  |                               |                 |                 | 112   | 0.85             | 589                   | 7.12  | 10.5        |
|                           | 8/14/2007       |                              |                              |                  |                               |                 |                 | 216   | 0.43             | 582                   | 7.44  | 10.7        |
|                           | 10/22/2007      |                              |                              |                  |                               |                 |                 | 313   | 0.54             | 579                   | 6.74  | 10.6        |
|                           | 5/6/2008        |                              |                              |                  |                               |                 |                 | -16   | 0.48             | 690                   | 7.27  | 10.7        |
|                           | 10/2/2008       |                              |                              |                  |                               |                 |                 | 315   | 2.44             | 654                   | 6.89  | 10.7        |
|                           | 4/6/2009        |                              |                              |                  |                               |                 |                 | -72   | 0.30             | 605                   | 7.58  | 9.9         |
|                           | 10/29/2009      | <0.20                        | <0.08                        | 0.92             | 40.7                          | <0.2            | 0.044           | -166  | 0.47             | 551                   | 7.52  | 10.2        |
|                           | 2/26/2010       | 0.36                         | <0.08                        | 1.48             | 43.65                         | <0.2            | 0.0579          | -155  | 0.35             | 620                   | 7.64  | 9.8         |
|                           | 5/26/2010       | <0.20                        | <0.08                        | 1.01             | 46.07                         | <0.2            | 0.049           | -135  | 0.40             | 608                   | 7.30  | 10.5        |
|                           | 10/6/2010       | 0.1                          |                              | 0.95             | 41.23                         |                 | 0.0562          | -175  | 1.42             | 646                   | 8.15  | 10.7        |
|                           | 1/25/2011       |                              |                              | 0.95             |                               |                 |                 | -78   | 0.42             | 572                   | 7.68  | 9.8         |
|                           | 4/13/2011       |                              |                              | 1.05             |                               |                 |                 | -178  | 0.44             | 626                   | 7.51  | 10.5        |
|                           | 7/12/2011       |                              |                              | 0.86             |                               |                 |                 | -143  | 1.74             | 546                   | 7.47  | 10.6        |
|                           | 10/19/2011      |                              |                              | 0.82             |                               |                 |                 | -128  | 0.55             | 543                   | 7.87  | 10.3        |
|                           | 1/23/2012       |                              |                              | 1.41             |                               |                 |                 | -78   | 0.34             | 647                   | 7.53  | 9.6         |
|                           | 4/4/2012        |                              |                              | 0.804            |                               |                 |                 | -126  | 0.40             | 724                   | 7.65  | 10.1        |
|                           | 7/25/2012       |                              |                              | 0.7              |                               |                 |                 | -223  | 0.39             | 619                   | 7.72  | 11.3        |
|                           | 10/17/2012      |                              |                              | 0.797            |                               |                 |                 | -137  | 1.22             | 602                   | 7.62  | 10.8        |
|                           | 1/16/2013       |                              |                              | <0.1             |                               |                 |                 | -185  | 1.00             | 619                   | 7.59  | 9.9         |
|                           | 4/26/2013       |                              |                              | 0.866            |                               |                 |                 | -30   | 1.20             | 597                   | 7.75  | 10.2        |
|                           | 7/2/2013        |                              |                              | 0.911            |                               |                 |                 | -89   | 0.48             | 626                   | 7.57  | 10.6        |
|                           | 10/24/2013      |                              |                              | 0.843            |                               |                 |                 | -80   | 0.51             | 631                   | 7.48  | 10.2        |
|                           | 1/9/2014        |                              |                              | <0.1             |                               |                 |                 | -15   | 1.69             | 567                   | 7.71  | 9.7         |
|                           | 4/17/2014       |                              |                              | <0.1             |                               |                 |                 | -127  | 0.92             | 594                   | 7.99  | 9.8         |
|                           | 7/17/2014       |                              |                              | <0.1             |                               |                 |                 | -22   | 0.33             | 626                   | 7.93  | 10.7        |
|                           | 10/23/2014      |                              |                              | 0.879            |                               |                 |                 | -95   | 0.34             | 542                   | 8.01  | 10.2        |
|                           | 1/15/2015       |                              |                              | 0.988            |                               |                 |                 | -176  | 0.39             | 589                   | 7.99  | 9.7         |
|                           | 4/28/2015       |                              |                              | 0.139            |                               |                 |                 | -22   | 0.28             | 639                   | 8.29  | 10.3        |
|                           | 7/1/2015        |                              |                              | 1.254            |                               |                 |                 | -121  | 0.37             | 608                   | 7.83  | 10.6        |
|                           | 10/27/2015      |                              |                              | 2.015            |                               |                 |                 | -99   | 0.26             | 594                   | 7.62  | 10.4        |
|                           | 1/14/2016       |                              |                              | 0.828            |                               |                 |                 | -60   | 0.34             | 569                   | 7.61  | 9.8         |
|                           | 4/13/2016       |                              |                              | 1.151            |                               |                 |                 | -124  | 0.33             | 589                   | 7.93  | 9.8         |
| 7/28/2016                 |                 |                              | 1.116                        |                  |                               |                 | -193            | 0.44  | 597              | 7.91                  | 10.7  |             |
| 10/27/2016                |                 |                              | 0.748                        |                  |                               |                 | -127            | 0.29  | 596              | 7.56                  | 10.4  |             |
| 4/6/2017 <sup>1</sup>     |                 |                              | NM                           |                  |                               |                 | -137            | 1.16  | 608              | 7.72                  | 10.2  |             |
| 7/14/2017                 |                 |                              | 0.84                         |                  |                               |                 | -143            | 0.28  | 575              | 7.54                  | 10.6  |             |
| 10/18/2017                |                 |                              | 0.80                         |                  |                               |                 | -130            | 0.81  | 703              | 7.60                  | 11.0  |             |
| 3/21/2018                 |                 |                              | 0.72                         |                  |                               |                 | -143            | 0.63  | 554              | 8.02                  | 9.9   |             |
| 6/5/2018                  |                 |                              | 0.56                         |                  |                               |                 | -96             | 0.24  | 323              | 7.77                  | 10.5  |             |
| 8/2/2018                  |                 |                              | 0.84                         |                  |                               |                 | -105            | 1.65  | 576              | 7.54                  | 10.5  |             |
| 10/31/2018                |                 |                              | 1.02                         |                  |                               |                 | -141            | 0.25  | 598              | 7.69                  | 10.2  |             |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID                   | Compound              | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP** | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|---------------------------|-----------------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|-------|------------------|-----------------------|-------|-------------|
|                           |                       | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |       |                  |                       |       |             |
|                           | Detection Range       | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |       |                  |                       |       |             |
|                           | Target                | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50   | >0.5             |                       |       |             |
|                           | Units                 | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV    | mg/l             | uS/cm                 | Units | °C          |
| P-116 (former Hadel well) | 2/1/2007              |                              |                              |                  |                               |                 |                 | 171   | 0.38             | 528                   | 7.34  | 8.8         |
|                           | 5/1/2007              |                              |                              |                  |                               |                 |                 | 142   | 0.59             | 528                   | 7.09  | 10.5        |
|                           | 8/8/2007              |                              |                              |                  |                               |                 |                 | 202   | 0.42             | 523                   | 7.53  | 12.1        |
|                           | 10/22/2007            |                              |                              |                  |                               |                 |                 | 301   | 0.59             | 522                   | 6.75  | 10.8        |
|                           | 5/6/2008              |                              |                              |                  |                               |                 |                 | 38    | 0.71             | 603                   | 7.18  | 12.3        |
|                           | 10/2/2008             |                              |                              |                  |                               |                 |                 | 295   | 2.70             | 559                   | 7.04  | 11.2        |
|                           | 4/6/2009              |                              |                              |                  |                               |                 |                 | -49   | 0.89             | 518                   | 7.57  | 9.5         |
|                           | 10/29/2009            | 0.33                         | 0.21                         | 0.51             | 41.29                         | 0.32            | 0.0031          | -96   | 0.44             | 476                   | 7.53  | 10.3        |
|                           | 2/26/2010             | 0.48                         | 0.23                         | 0.51             | 41.82                         | 0.4             | 0.0042          | -97   | 0.44             | 535                   | 7.64  | 9.1         |
|                           | 5/25/2010             | 0.33                         | 0.24                         | 0.73             | 49.87                         | 0.49            | 0.004           | -75   | 0.33             | 530                   | 7.30  | 12.2        |
|                           | 10/6/2010             | 0.45                         |                              | 0.92             | 58.53                         |                 | 0.0051          | -106  | 0.55             | 567                   | 8.20  | 12.1        |
|                           | 1/25/2011             |                              |                              | 0.45             |                               |                 |                 | 37    | 0.56             | 506                   | 7.76  | 9.0         |
|                           | 4/13/2011             |                              |                              | 0.51             |                               |                 |                 | -109  | 0.58             | 556                   | 7.49  | 10.7        |
|                           | 7/12/2011             |                              |                              | 0.35             |                               |                 |                 | -91   | 1.42             | 485                   | 7.50  | 11.9        |
|                           | 10/19/2011            |                              |                              | 0.37             |                               |                 |                 | -77   | 0.89             | 482                   | 7.92  | 10.4        |
|                           | 1/23/2012             |                              |                              | 0.52             |                               |                 |                 | -21   | 0.38             | 576                   | 7.64  | 8.8         |
|                           | 4/4/2012              |                              |                              | 0.353            |                               |                 |                 | -56   | 0.33             | 646                   | 7.68  | 10.3        |
|                           | 7/25/2012             |                              |                              | 0.305            |                               |                 |                 | -150  | 0.31             | 546                   | 7.64  | 12.7        |
|                           | 10/17/2012            |                              |                              | 0.351            |                               |                 |                 | -87   | 0.52             | 535                   | 7.52  | 11.5        |
|                           | 1/15/2013             |                              |                              | 0.517            |                               |                 |                 | -187  | 0.95             | 549                   | 7.65  | 9.1         |
|                           | 4/26/2013             |                              |                              | 0.257            |                               |                 |                 | 99    | 0.52             | 528                   | 7.51  | 9.9         |
|                           | 7/2/2013              |                              |                              | 0.336            |                               |                 |                 | -14   | 0.39             | 552                   | 7.56  | 11.4        |
|                           | 10/24/2013            |                              |                              | 0.65             |                               |                 |                 | -14   | 0.46             | 542                   | 7.95  | 10.3        |
|                           | 1/9/2014              |                              |                              | <0.1             |                               |                 |                 | -9    | 1.19             | 495                   | 7.88  | 8.9         |
|                           | 4/17/2014             |                              |                              | <0.1             |                               |                 |                 | -71   | 0.58             | 501                   | 7.99  | 9.8         |
|                           | 7/17/2014             |                              |                              | <0.1             |                               |                 |                 | -26   | 0.35             | 547                   | 7.86  | 12.0        |
|                           | 10/23/2014            |                              |                              | 1.703            |                               |                 |                 | -166  | 0.40             | 470                   | 7.96  | 10.4        |
|                           | 1/15/2015             |                              |                              | 1.155            |                               |                 |                 | -226  | 0.48             | 512                   | 7.98  | 9.0         |
|                           | 4/28/2015             |                              |                              | 1.308            |                               |                 |                 | -18   | 0.27             | 560                   | 8.29  | 10.3        |
|                           | 7/1/2015              |                              |                              | >2.5             |                               |                 |                 | -117  | 0.40             | 530                   | 7.74  | 11.8        |
|                           | 10/27/2015            |                              |                              | >2.5             |                               |                 |                 | -74   | 0.35             | 513                   | 7.52  | 11.0        |
|                           | 1/14/2016             |                              |                              | 0.447            |                               |                 |                 | -43   | 0.38             | 489                   | 7.50  | 9.1         |
| 4/13/2016                 |                       |                              | 0.433                        |                  |                               |                 | -59             | 0.56  | 503              | 7.91                  | 9.6   |             |
| 7/28/2016                 |                       |                              | 0.665                        |                  |                               |                 | -151            | 0.39  | 507              | 7.79                  | 12.2  |             |
| 10/27/2016                |                       |                              | 0.544                        |                  |                               |                 | -117            | 0.40  | 507              | 7.53                  | 10.6  |             |
| 1/20/2017                 |                       |                              | 0.563                        |                  |                               |                 | 17              | 0.43  | 522              | 7.70                  | 9.1   |             |
| 4/6/2017 <sup>1</sup>     |                       |                              | NM                           |                  |                               |                 | 18              | 0.49  | 516              | 7.55                  | 10.2  |             |
| 7/14/2017                 |                       |                              | 0.08                         |                  |                               |                 | -146            | 0.32  | 483              | 7.54                  | 11.3  |             |
| 10/18/2017                |                       |                              | 0.07                         |                  |                               |                 | -80             | 0.40  | 584              | 7.61                  | 11.9  |             |
| 3/21/2018                 |                       |                              | 0.00                         |                  |                               |                 | -113            | 0.46  | 447              | 8.03                  | 10.0  |             |
| 6/5/2018                  |                       |                              | 0.10                         |                  |                               |                 | -67             | 1.68  | 243              | 7.79                  | 11.7  |             |
| 8/2/2018                  |                       |                              | 0.17                         |                  |                               |                 | -79             | 1.67  | 488              | 7.63                  | 11.5  |             |
| 10/31/2018                |                       |                              | 0.16                         |                  |                               |                 | -106            | 0.40  | 497              | 7.69                  | 11.3  |             |
| P-117                     | 1/20/2017             |                              |                              | 1.249            |                               |                 |                 | 16    | 0.75             | 748                   | 7.26  | 9.9         |
|                           | 4/6/2017 <sup>1</sup> |                              |                              | NM               |                               |                 |                 | -105  | 0.29             | 742                   | 7.48  | 10.1        |
|                           | 7/14/2017             |                              |                              | 1.29             |                               |                 |                 | -112  | 0.22             | 701                   | 7.29  | 10.4        |
|                           | 10/18/2017            |                              |                              | 1.31             |                               |                 |                 | -101  | 0.27             | 844                   | 7.34  | 11.0        |
|                           | 3/21/2018             |                              |                              | 1.34             |                               |                 |                 | -116  | 0.32             | 684                   | 7.70  | 9.5         |
|                           | 6/5/2018              |                              |                              | 1.18             |                               |                 |                 | -70   | 0.68             | 277                   | 7.48  | 10.4        |
|                           | 8/2/2018              |                              |                              | 1.1              |                               |                 |                 | -104  | 0.47             | 698                   | 7.36  | 10.7        |
| 10/31/2018                |                       |                              | 1.12                         |                  |                               |                 | -124            | 0.27  | 549              | 7.67                  | 11.0  |             |
| P-118                     | 10/18/2017            |                              |                              | 0.17             |                               |                 |                 | -117  | 0.59             | 629                   | 7.71  | 11.4        |
|                           | 3/21/2018             |                              |                              | 0.23             |                               |                 |                 | -101  | 0.29             | 524                   | 7.93  | 9.2         |
|                           | 6/5/2018              |                              |                              | 0.05             |                               |                 |                 | -14   | 0.28             | 205                   | 7.55  | 10.6        |
|                           | 8/2/2018              |                              |                              | 0.27             |                               |                 |                 | -89   | 1.48             | 542                   | 7.44  | 11.4        |
|                           | 10/31/2018            |                              |                              | 0.29             |                               |                 |                 | -109  | 0.27             | 549                   | 7.67  | 11.0        |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP** | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|-------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |       |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |       |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50   | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV    | mg/l             | uS/cm                 | Units | °C          |
| MW-3A                 | 12/5/2002       |                              |                              |                  | 20                            |                 |                 | -312  | 0.03             | 589                   | 7.30  |             |
|                       | 4/22/2003       |                              |                              |                  | 26                            |                 |                 | 3     | 0.66             | 464                   | 7.52  | 10.22       |
|                       | 10/22/2003      | <0.058                       |                              |                  | 14                            |                 |                 | -98   | 0.87             | 552                   | 7.29  | 10.06       |
|                       | 1/31/2007       |                              |                              |                  |                               |                 |                 | 163   | 0.79             | 556                   | 7.13  | 6.1         |
|                       | 5/1/2007        |                              |                              |                  |                               |                 |                 | 34    | 1.96             | 558                   | 6.95  | 10.2        |
|                       | 8/8/2007        |                              |                              |                  |                               |                 |                 | -144  | 0.74             | 549                   | 7.32  | 12.4        |
|                       | 10/19/2007      |                              |                              |                  |                               |                 |                 | 201   | 1.07             | 551                   | 6.51  | 10.5        |
|                       | 5/6/2008        |                              |                              |                  |                               |                 |                 | 13    | 0.33             | 630                   | 7.55  | 9.8         |
|                       | 10/1/2008       |                              |                              |                  |                               |                 |                 | 297   | 7.35             | 591                   | 6.89  | 9.8         |
|                       | 10/28/2009      | <0.20                        | <0.08                        | 0.51             | 14.67                         | <0.2            | 0.0073          | -236  | 0.55             | 505                   | 7.45  | 9.5         |
|                       | 5/24/2010       | <0.20                        | 0.04                         | 0.49             | 22.35                         | 0.21            | 0.0074          | -227  | 0.55             | 561                   | 7.13  | 12.5        |
|                       | 10/5/2010       | 0.05                         |                              |                  | 15.33                         |                 | 0.0397          | -204  | 1.51             | 600                   | 8.20  | 11.3        |
|                       | 1/24/2011       |                              |                              | 0.19             |                               |                 |                 | -77   | 0.74             | 535                   | 7.30  | 7.2         |
|                       | 4/13/2011       |                              |                              | 0.44             |                               |                 |                 | -240  | 1.14             | 589                   | 7.42  | 10.8        |
|                       | 7/12/2011       |                              |                              | 0.19             |                               |                 |                 | -213  | 1.86             | 512                   | 7.15  | 11.3        |
|                       | 10/19/2011      |                              |                              | 0.16             |                               |                 |                 | -175  | 1.25             | 511                   | 7.76  | 9.7         |
|                       | 1/23/2012       |                              |                              | <0.1             |                               |                 |                 | -34   | 0.70             | 606                   | 7.09  | 8.0         |
|                       | 4/4/2012        |                              |                              | 0.217            |                               |                 |                 | -115  | 0.47             | 678                   | 7.37  | 9.4         |
|                       | 7/25/2012       |                              |                              | 0.101            |                               |                 |                 | -265  | 0.67             | 584                   | 7.50  | 13.5        |
|                       | 10/16/2012      |                              |                              | <0.1             |                               |                 |                 | -175  | 1.33             | 564                   | 7.01  | 10.7        |
|                       | 1/15/2013       |                              |                              | 0.144            |                               |                 |                 | -267  | 2.03             | 579                   | 7.49  | 7.8         |
|                       | 4/26/2013       |                              |                              | 0.131            |                               |                 |                 | -171  | 1.38             | 560                   | 7.77  | 10.2        |
|                       | 7/2/2013        |                              |                              | 0.127            |                               |                 |                 | -126  | 1.27             | 582                   | 7.26  | 10.9        |
|                       | 10/24/2013      |                              |                              | 0.124            |                               |                 |                 | -140  | 1.27             | 582                   | 7.07  | 9.3         |
|                       | 1/9/2014        |                              |                              | <0.1             |                               |                 |                 | 10    | 0.81             | 524                   | 7.46  | 7.5         |
|                       | 4/17/2014       |                              |                              | 0.126            |                               |                 |                 | -114  | 1.80             | 551                   | 7.73  | 9.2         |
|                       | 7/17/2014       |                              |                              | <0.1             |                               |                 |                 | -8    | 0.67             | 577                   | 7.66  | 10.4        |
|                       | 10/23/2014      |                              |                              | 0.938            |                               |                 |                 | -174  | 1.06             | 498                   | 7.37  | 9.6         |
|                       | 1/15/2015       |                              |                              | 0.188            |                               |                 |                 | -238  | 1.07             | 541                   | 7.84  | 7.7         |
|                       | 4/28/2015       |                              |                              | <0.1             |                               |                 |                 | -30   | 0.46             | 586                   | 8.15  | 9.8         |
|                       | 7/1/2015        |                              |                              | <0.1             |                               |                 |                 | -128  | 1.28             | 548                   | 7.61  | 10.0        |
|                       | 10/27/2015      |                              |                              | 0.166            |                               |                 |                 | -138  | 0.68             | 536                   | 7.21  | 11.0        |
|                       | 1/14/2016       |                              |                              | <0.1             |                               |                 |                 | -43   | 1.03             | 514                   | 7.22  | 8.1         |
| 4/13/2016             |                 |                              | 0.149                        |                  |                               |                 | -149            | 0.61  | 530              | 7.70                  | 8.4   |             |
| 7/28/2016             |                 |                              | 0.154                        |                  |                               |                 | -267            | 0.88  | 531              | 7.60                  | 12.2  |             |
| 10/27/2016            |                 |                              | 0.159                        |                  |                               |                 | -171            | 0.62  | 533              | 7.35                  | 9.5   |             |
| 1/20/2017             |                 |                              | 0.441                        |                  |                               |                 | -10             | 0.55  | 544              | 7.39                  | 8.6   |             |
| 4/6/2017 <sup>1</sup> |                 |                              | NM                           |                  |                               |                 | 5               | 0.51  | 542              | 7.34                  | 9.6   |             |
| 7/14/2017             |                 |                              | 0.04                         |                  |                               |                 | -116            | 0.52  | 505              | 7.24                  | 10.4  |             |
| 10/18/2017            |                 |                              | 0.10                         |                  |                               |                 | -130            | 0.74  | 600              | 7.48                  | 11.9  |             |
| 3/21/2018             |                 |                              | 0.03                         |                  |                               |                 | -105            | 1.07  | 488              | 7.86                  | 8.8   |             |
| 6/5/2018              |                 |                              | 0.10                         |                  |                               |                 | -56             | 1.48  | 345              | 7.48                  | 11.3  |             |
| 8/2/2018              |                 |                              | 0.04                         |                  |                               |                 | -81             | 0.94  | 531              | 7.34                  | 10.7  |             |
| 10/31/2018            |                 |                              | 0.02                         |                  |                               |                 | -114            | 0.37  | 528              | 7.58                  | 9.9   |             |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP** | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|-------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |       |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |       |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50   | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV    | mg/l             | uS/cm                 | Units | °C          |
| P-107D                | 12/4/2002       |                              |                              |                  | 19                            |                 |                 |       |                  | 594                   | 7.64  | 7.90        |
|                       | 4/21/2003       |                              |                              |                  | 27                            |                 |                 |       |                  | 388                   | 7.28  | 10.50       |
|                       | 10/21/2003      | <0.058                       |                              |                  | 19                            |                 |                 | 51.40 | 1.25             | 528                   | 7.34  | 10.05       |
|                       | 5/1/2007        |                              |                              |                  |                               |                 |                 | 113   | 3.20             | 583                   | 6.96  | 12.4        |
|                       | 10/19/2007      |                              |                              |                  |                               |                 |                 | 261   | 1.10             | 581                   | 6.56  | 10.0        |
|                       | 5/5/2008        |                              |                              |                  |                               |                 |                 | 61    | 1.07             | 653                   | 7.55  | 10.6        |
|                       | 10/1/2008       |                              |                              |                  |                               |                 |                 | 354   | 4.48             | 607                   | 6.89  | 10.4        |
|                       | 4/7/2009        |                              |                              |                  |                               |                 |                 | -101  | 2.01             | 569                   | 7.53  | 9.1         |
|                       | 10/28/2009      | <0.20                        | <0.08                        | <0.1             | 23.84                         | <0.2            | 0.073           | -188  | 0.45             | 528                   | 7.48  | 10.1        |
|                       | 2/25/2010       | 0.51                         | <0.08                        | <0.1             | 23.57                         | <0.2            | 0.0613          | -191  | 0.74             | 605                   | 7.50  | 8.5         |
|                       | 5/24/2010       | <0.20                        | <0.08                        | 0.19             | 31.82                         | <0.2            | 0.163           | -147  | 3.12             | 618                   | 7.15  | 11.2        |
|                       | 10/5/2010       | 0.06                         |                              | 0.03             | 21.24                         |                 | 0.0737          | -132  | 0.93             | 619                   | 8.09  | 10.6        |
|                       | 1/24/2011       |                              |                              | 0.3              |                               |                 |                 | -59   | 0.79             | 564                   | 6.62  | 9.0         |
|                       | 4/12/2011       |                              |                              | 0.11             |                               |                 |                 | -222  | 0.64             | 649                   | 7.33  | 9.9         |
|                       | 7/11/2011       |                              |                              | 0.12             |                               |                 |                 | -211  | 1.32             | 2                     | 8.16  | 11.7        |
|                       | 10/18/2011      |                              |                              | 0.11             |                               |                 |                 | -107  | 2.61             | 535                   | 7.69  | 10.1        |
|                       | 1/23/2012       |                              |                              | 0.27             |                               |                 |                 | -45   | 0.69             | 634                   | 7.45  | 8.9         |
|                       | 4/4/2012        |                              |                              | 0.235            |                               |                 |                 | -105  | 0.73             | 740                   | 7.49  | 9.9         |
|                       | 7/25/2012       |                              |                              | <0.1             |                               |                 |                 | -207  | 1.71             | 627                   | 7.42  | 12.6        |
|                       | 10/17/2012      |                              |                              | 0.104            |                               |                 |                 | -168  | 2.13             | 589                   | 7.53  | 10.9        |
|                       | 1/16/2013       |                              |                              | <0.1             |                               |                 |                 | -214  | 2.30             | 609                   | 7.46  | 8.8         |
|                       | 4/26/2013       |                              |                              | 0.276            |                               |                 |                 | -146  | 2.18             | 585                   | 7.84  | 10.3        |
|                       | 7/2/2013        |                              |                              | 0.123            |                               |                 |                 | -75   | 1.92             | 606                   | 7.15  | 11.6        |
|                       | 10/24/2013      |                              |                              | 0.205            |                               |                 |                 | -60   | 2.51             | 610                   | 6.89  | 9.8         |
|                       | 1/9/2014        |                              |                              | <0.1             |                               |                 |                 | 55    | 2.60             | 561                   | 7.24  | 8.0         |
|                       | 4/16/2014       |                              |                              | 0.236            |                               |                 |                 | -68   | 1.33             | 603                   | 7.76  | 9.4         |
|                       | 7/17/2014       |                              |                              | <0.1             |                               |                 |                 | 61    | 0.46             | 610                   | 7.37  | 10.8        |
|                       | 10/23/2014      |                              |                              | 0.217            |                               |                 |                 | -127  | 0.98             | 536                   | 8.23  | 9.9         |
|                       | 1/15/2015       |                              |                              | <0.1             |                               |                 |                 | -207  | 0.81             | 571                   | 7.84  | 9.0         |
|                       | 4/28/2015       |                              |                              | <0.1             |                               |                 |                 | -116  | 1.84             | 639                   | 7.23  | 10.2        |
|                       | 7/1/2015        |                              |                              | 0.132            |                               |                 |                 | -76   | 1.71             | 581                   | 7.29  | 10.9        |
|                       | 10/27/2015      |                              |                              | 0.128            |                               |                 |                 | -23   | 0.84             | 565                   | 8.03  | 10.5        |
|                       | 1/14/2016       |                              |                              | <0.1             |                               |                 |                 | -25   | 0.61             | 537                   | 7.03  | 8.6         |
| 4/13/2016             |                 |                              | 0.158                        |                  |                               |                 | -64             | 0.86  | 624              | 9.12                  | 8.9   |             |
| 7/28/2016             |                 |                              | 0.157                        |                  |                               |                 | -150            | 5.32  | 581              | 7.31                  | 17.7  |             |
| 10/27/2016            |                 |                              | 0.165                        |                  |                               |                 | -124            | 0.66  | 557              | 7.16                  | 9.9   |             |
| 1/20/2017             |                 |                              | 0.451                        |                  |                               |                 | 9               | 1.84  | 562              | 7.03                  | 9.1   |             |
| 4/6/2017 <sup>1</sup> |                 |                              | NM                           |                  |                               |                 | 42              | 2.51  | 593              | 7.15                  | 9.5   |             |
| 7/14/2017             |                 |                              | 0.08                         |                  |                               |                 | -139            | 0.80  | 539              | 7.26                  | 10.3  |             |
| 10/18/2017            |                 |                              | 0.10                         |                  |                               |                 | -61             | 2.35  | 596              | 7.33                  | 10.8  |             |
| 3/21/2018             |                 |                              | 0.10                         |                  |                               |                 | -66             | 3.88  | 530              | 7.82                  | 9.3   |             |
| 6/4/2018              |                 |                              | NM                           |                  |                               |                 | -32             | 0.44  | 378              | 7.56                  | 10.5  |             |
| 8/2/2018              |                 |                              | 0.09                         |                  |                               |                 | 8               | 5.81  | 544              | 7.32                  | 11.0  |             |
| 10/31/2018            |                 |                              | 0.08                         |                  |                               |                 | -63             | 0.47  | 557              | 7.42                  | 10.2  |             |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP**  | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|--------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |        |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |        |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50    | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV     | mg/l             | uS/cm                 | Units | °C          |
| P-113A                | 12/3/2002       |                              |                              |                  | 12                            |                 |                 | 111.80 | 20.00            | 579                   | 7.26  | 10.39       |
|                       | 4/23/2003       |                              |                              |                  | 15                            |                 |                 | 42.00  | 2.98             | 465                   | 7.50  | 10.37       |
|                       | 10/22/2003      | 0.3                          |                              |                  | 10                            |                 |                 | -62.60 | 2.23             | 576                   | 7.30  | 10.17       |
|                       | 8/8/2007        |                              |                              |                  |                               |                 |                 | -140   | 0.57             | 544                   | 7.37  | 13.3        |
|                       | 5/6/2008        |                              |                              |                  |                               |                 |                 | -88    | 0.55             | 620                   | 7.22  | 10.4        |
|                       | 4/6/2009        |                              |                              |                  |                               |                 |                 | -137   | 0.74             | 542                   | 7.42  | 8.4         |
|                       | 10/29/2009      | 0.35                         | 0.16                         | >2.5             | 31.67                         | 0.37            | 0.27            | -240   | 0.87             | 498                   | 7.41  | 10.7        |
|                       | 5/25/2010       | 0.26                         | 0.21                         | >2.5             | 44.79                         | 0.39            | 0.169           | -183   | 0.96             | 554                   | 7.16  | 15.6        |
|                       | 10/6/2010       | 0.43                         |                              |                  | 44.48                         |                 | 0.239           | -196   | 0.89             | 591                   | 7.98  | 12.8        |
|                       | 1/25/2011       |                              |                              | 1.09             |                               |                 |                 | -78    | 1.98             | 533                   | 7.58  | 5.9         |
|                       | 4/13/2011       |                              |                              | 0.68             |                               |                 |                 | -202   | 1.13             | 578                   | 7.46  | 12.8        |
|                       | 7/12/2011       |                              |                              | 1.44             |                               |                 |                 | -195   | 1.47             | 509                   | 7.33  | 14.3        |
|                       | 10/19/2011      |                              |                              | 0.94             |                               |                 |                 | -141   | 0.92             | 509                   | 7.71  | 10.6        |
|                       | 1/23/2012       |                              |                              | 0.77             |                               |                 |                 | -76    | 1.20             | 604                   | 7.67  | 7.3         |
|                       | 4/4/2012        |                              |                              | 1.219            |                               |                 |                 | -125   | 0.64             | 673                   | 7.40  | 9.9         |
|                       | 7/25/2012       |                              |                              | 0.893            |                               |                 |                 | -257   | 0.83             | 585                   | 7.46  | 15.4        |
|                       | 10/16/2012      |                              |                              | 0.196            |                               |                 |                 | -73    | 3.31             | 559                   | 7.36  | 13.1        |
|                       | 1/15/2013       |                              |                              | 0.473            |                               |                 |                 | -248   | 1.67             | 574                   | 7.56  | 7.0         |
|                       | 4/26/2013       |                              |                              | 0.814            |                               |                 |                 | -120   | 1.64             | 555                   | 7.66  | 11.8        |
|                       | 7/2/2013        |                              |                              | 0.516            |                               |                 |                 | -127   | 1.04             | 578                   | 7.45  | 13.6        |
|                       | 10/24/2013      |                              |                              | 0.654            |                               |                 |                 | -43    | 0.91             | 567                   | 7.66  | 11.6        |
|                       | 1/9/2014        |                              |                              | 0.582            |                               |                 |                 | 0      | 1.72             | 521                   | 7.49  | 6.4         |
|                       | 4/14/2014       |                              |                              | <0.1             |                               |                 |                 | -139   | 1.55             | 544                   | 7.81  | 8.9         |
|                       | 7/17/2014       |                              |                              | 0.831            |                               |                 |                 | -10    | 1.15             | 577                   | 7.71  | 17.5        |
|                       | 10/23/2014      |                              |                              | 0.707            |                               |                 |                 | -164   | 0.80             | 498                   | 7.79  | 10.9        |
|                       | 1/15/2015       |                              |                              | 1                |                               |                 |                 | -201   | 1.81             | 548                   | 7.66  | 7.6         |
|                       | 4/28/2015       |                              |                              | 0.204            |                               |                 |                 | -18    | 0.63             | 580                   | 8.14  | 10.9        |
|                       | 7/1/2015        |                              |                              | 1.795            |                               |                 |                 | -133   | 1.06             | 547                   | 7.57  | 12.9        |
|                       | 10/27/2015      |                              |                              | 0.583            |                               |                 |                 | -116   | 0.94             | 526                   | 8.67  | 11.3        |
|                       | 1/14/2016       |                              |                              | 0.316            |                               |                 |                 | -73    | 0.96             | 506                   | 7.45  | 6.8         |
|                       | 4/13/2016       |                              |                              | 0.815            |                               |                 |                 | -158   | 1.07             | 525                   | 7.82  | 8.7         |
|                       | 7/28/2016       |                              |                              | 0.831            |                               |                 |                 | -260   | 0.94             | 529                   | 7.70  | 13.3        |
| 10/27/2016            |                 |                              | 1.036                        |                  |                               |                 | -204            | 0.80   | 531              | 7.42                  | 10.5  |             |
| 1/20/2017             |                 |                              | 1.253                        |                  |                               |                 | -21             | 0.67   | 542              | 7.48                  | 8.7   |             |
| 4/6/2017 <sup>1</sup> |                 |                              | NM                           |                  |                               |                 | 7               | 0.82   | 539              | 7.45                  | 10.0  |             |
| 7/14/2017             |                 |                              | 0.47                         |                  |                               |                 | -206            | 0.68   | 500              | 7.40                  | 13.3  |             |
| 10/18/2017            |                 |                              | 0.56                         |                  |                               |                 | -118            | 0.49   | 595              | 7.42                  | 13.3  |             |
| 3/21/2018             |                 |                              | 0.45                         |                  |                               |                 | -98             | 2.28   | 486              | 7.93                  | 7.9   |             |
| 6/5/2018              |                 |                              | 0.08                         |                  |                               |                 | -14             | 0.92   | 232              | 7.57                  | 12.5  |             |
| 8/2/2018              |                 |                              | 0.14                         |                  |                               |                 | -91             | 1.76   | 504              | 7.48                  | 12.6  |             |
| 10/31/2018            |                 |                              | 0.13                         |                  |                               |                 | -111            | 1.80   | 513              | 7.82                  | 14.6  |             |

**Table 3. Groundwater Natural Attenuation Parameters  
FF/NN Landfill, Ripon, WI**

| Well ID       | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP** | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|---------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|-------|------------------|-----------------------|-------|-------------|
|               |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |       |                  |                       |       |             |
|               | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |       |                  |                       |       |             |
|               | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50   | >0.5             |                       |       |             |
|               | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV    | mg/l             | uS/cm                 | Units | °C          |
| Perry/Watkins | 10/29/2009      | <0.20                        | <0.08                        | >2.5             | 15.18                         | <0.2            | 0.0098          | -167  | 3.00             | 489                   | 7.55  | 10.8        |
|               | 2/26/2010       | <0.20                        |                              |                  | 16.34                         | 0.42            | 0.0067          | -159  | 1.57             | 549                   | 7.70  | 8.6         |
|               | 5/26/2010       | <0.20                        | <0.08                        | 1.7              | 24.6                          | <0.2            | 0.0082          | -135  | 0.91             | 552                   | 7.35  | 16.7        |
|               | 10/6/2010       | 0.1                          |                              |                  | 20.12                         |                 | 0.0081          | -183  | 1.38             | 582                   | 8.18  | 14.4        |
|               | 1/28/2011       |                              |                              |                  |                               |                 |                 |       | 2.42             |                       | 6.93  | 10.1        |
|               | 4/18/2011       |                              |                              |                  |                               |                 |                 |       |                  | 410                   | 7.17  | 10.1        |
|               | 4/3/2012        |                              |                              |                  |                               |                 |                 |       |                  | 519                   | 8.00  | 11.2        |
|               | 4/26/2013       |                              |                              |                  |                               |                 |                 |       |                  | 600                   | 7.47  | 11.4        |
|               | 4/15/2014       |                              |                              |                  |                               |                 |                 |       |                  | 578                   | 7.59  | 10.8        |
|               | 4/15/2015       |                              |                              |                  |                               |                 |                 |       |                  | 595                   | 7.18  | 11.9        |
|               | 1/14/2016       |                              |                              |                  |                               |                 |                 |       |                  | 526                   | 8.22  | 9.1         |
|               | 4/12/2016       |                              |                              |                  |                               |                 |                 |       |                  | 625                   | 7.85  | 14.0        |
|               | 7/28/2016       |                              |                              |                  |                               |                 |                 |       |                  | 538                   | 8.07  | 13.5        |
|               | 10/27/2016      |                              |                              |                  |                               |                 |                 |       |                  | 524                   | 6.74  | 10.6        |
|               | 1/20/2017       |                              |                              |                  |                               |                 |                 |       |                  | 598                   | 7.04  | 8.8         |
| 4/5/2017      |                 |                              |                              |                  |                               |                 |                 |       | 446              | 7.72                  | 10.2  |             |
| Gaastra       | 10/29/2009      | <0.20                        | <0.08                        | 0.98             | 16.04                         | <0.2            | 0.01            | -163  | 0.27             | 490                   | 7.56  | 10.3        |
|               | 2/26/2010       | <0.20                        |                              |                  | 19.35                         | <0.2            | 0.0086          | -146  | 1.22             | 584                   | 7.45  | 10.7        |
|               | 5/26/2010       | <0.20                        | <0.08                        | 2.44             | 27.28                         | 0.22            | 0.0121          | -156  | 0.52             | 553                   | 7.28  | 17.3        |
|               | 10/6/2010       | 0.11                         |                              |                  | 22.65                         |                 | 0.0103          | -201  | 1.14             | 597                   | 8.22  | 15.0        |
|               | 1/26/2011       |                              |                              | 2.34             |                               |                 |                 | 33    | 1.24             | 552                   | 7.37  | 7.9         |
|               | 4/14/2011       |                              |                              |                  |                               |                 |                 |       |                  | 620                   | 6.88  | 13.8        |
|               | 4/3/2012        |                              |                              |                  |                               |                 |                 |       |                  | 538                   | 7.80  | 11.3        |
|               | 4/26/2013       |                              |                              |                  |                               |                 |                 |       |                  | 585                   | 7.54  | 11.4        |
|               | 4/15/2014       |                              |                              |                  |                               |                 |                 |       |                  | 528                   | 7.69  | 13          |
|               | 7/17/2014       |                              |                              |                  |                               |                 |                 |       |                  | 519                   | 8.41  | 14.3        |
|               | 1/14/2016       |                              |                              |                  |                               |                 |                 |       |                  | 667                   | 7.94  | 8.6         |
|               | 4/12/2016       |                              |                              |                  |                               |                 |                 |       |                  | 588                   | 8.05  | 11          |
|               | 7/28/2016       |                              |                              |                  |                               |                 |                 |       |                  | 550                   | 8.19  | 13.7        |
|               | 10/27/2016      |                              |                              |                  |                               |                 |                 |       |                  | 593                   | 6.86  | 10.3        |
|               | 1/20/2017       |                              |                              |                  |                               |                 |                 |       |                  | 564                   | 6.81  | 8           |
| 4/5/2017      |                 |                              |                              |                  |                               |                 |                 |       | 547              | 7.63                  | 9.3   |             |
| Rohde         | 11/4/2009       | <0.20                        | <0.08                        | 0.36             | 19.88                         | <0.2            | 0.0011          | -76   | 0.99             | 500                   | 7.25  | 10.0        |
|               | 2/25/2010       | <0.20                        |                              |                  | 21.03                         | <0.2            | <0.0028         | 0     | 2.61             | 606                   | 7.61  | 9.4         |
|               | 5/26/2010       | <0.20                        | <0.08                        | 0.25             | 25.64                         | <0.2            | <0.0028         | 7     | 1.19             | 635                   | 6.42  | 18.53       |
|               | 10/6/2010       | 0.08                         |                              |                  | 26.48                         |                 | ND              | -117  | 1.91             | 612                   | 8.08  | 13.7        |
|               | 1/26/2011       |                              |                              | 0                |                               |                 |                 | 116   | 3.83             | 571                   | 7.56  | 7.36        |
|               | 4/13/2011       |                              |                              |                  |                               |                 |                 |       |                  | 550                   | 6.85  | 7.5         |
|               | 4/3/2012        |                              |                              |                  |                               |                 |                 |       |                  | 528                   | 7.5   | 11.5        |
|               | 4/26/2013       |                              |                              |                  |                               |                 |                 |       |                  | 581                   | 7.63  | 12.7        |
|               | 4/15/2014       |                              |                              |                  |                               |                 |                 |       |                  | 546                   | 7.80  | 10.7        |
|               | 4/15/2015       |                              |                              |                  |                               |                 |                 |       |                  | 565                   | 7.38  | 12.8        |
|               | 4/12/2016       |                              |                              |                  |                               |                 |                 |       |                  | 632                   | 7.98  | 11.5        |
|               | 4/5/2017        |                              |                              |                  |                               |                 |                 |       |                  | 532                   | 7.46  | 9.5         |
| 6/4/2018      |                 |                              |                              |                  |                               |                 |                 |       | 590              | 7.81                  | 15.3  |             |

□ indicates that sample was not analyzed for that parameter

mg/L: milligrams per liter

uS/cm: microsiemens per centimeter

mV: millivolts

ORP: Oxidation-Reduction Potential

°C: Degrees Celsius

\* detection range only applies to samples collected on or after 10/2009

\*\* ORP is believed to be incorrect from 2/2007 to 10/2008 due to equipment malfunction

1: April 2017 equipment malfunction, in-field iron test not able to be performed.

























**Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| Sampling Point | Collection Date       | Parameters           |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
|----------------|-----------------------|----------------------|---------|----------------------|--------------|------------------|------------------|------------------|---------------|--------------|------------|---------------|---------------------|----------------------|-------------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|---------------------|--------------|------------------|-----------------|--------------------|------|-------------------|-----------------|---------|------------------------|-----------------------|-----------------|------------------------|------------------------|------------------------|----------------|---------------|
|                |                       | Acetone <sup>1</sup> | Benzene | Bromodichloromethane | Bromomethane | 2-Butanone (MEK) | sec-Butylbenzene | Carbon Disulfide | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | 1,4-dichlorobenzene | Dibromochloromethane | Dichlorodifluoromethane | 1,1-Dichloroethane | 1,2-dichloroethane | 1,1-Dichloroethene | cis-1,2-dichloroethene | trans-1,2-Dichloroethene | 1,2-dichloropropane | Ethylbenzene | Isopropylbenzene | Isopropyl Ether | Methylene chloride | MTBE | Tetrachloroethene | Tetrahydrofuran | Toluene | 1,2,4-Trichlorobenzene | 1,1,1-Trichloroethane | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride | Total Xylenes |
| WDNR           | PAL                   | 200                  | 0.5     | 0.06                 | 1            | 90               | NE               | 200              | NE            | 80           | 0.6        | 0.3           | 15                  | 6                    | 200                     | 85                 | 0.5                | 0.7                | 7                      | 20                       | 0.5                 | 140          | NE               | NE              | 0.5                | 12   | 0.5               | 10              | 200     | 14                     |                       | 0.5             | NE                     | 96                     | 0.02                   | 1000           |               |
| NR140          | ES                    | 1000                 | 5       | 0.6                  | 10           | 460              | NE               | 1000             | NE            | 400          | 6          | 3             | 75                  | 60                   | 1000                    | 850                | 5                  | 7                  | 70                     | 100                      | 5                   | 700          | NE               | NE              | 5                  | 60   | 5                 | 50              | 1000    | 70                     |                       | 5               | NE                     | 480                    | 0.2                    | 10000          |               |
| P-103          | 4/6/2017              |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| P-103          | 10/18/2017            |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| P-103          | 6/4/2018 <sup>6</sup> |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| P-103          | 10/31/2018            |                      |         |                      |              |                  |                  |                  |               |              |            | 0.090 B       |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | 0.042          |               |



**Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| Sampling Point | Collection Date            | Parameters           |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
|----------------|----------------------------|----------------------|---------|----------------------|--------------|------------------|------------------|------------------|---------------|--------------|------------|---------------|---------------------|----------------------|-------------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|---------------------|--------------|------------------|-----------------|--------------------|------|-------------------|-----------------|---------|------------------------|-----------------------|-----------------|------------------------|------------------------|------------------------|----------------|---------------|
|                |                            | Acetone <sup>1</sup> | Benzene | Bromodichloromethane | Bromomethane | 2-Butanone (MEK) | sec-Butylbenzene | Carbon Disulfide | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | 1,4-dichlorobenzene | Dibromochloromethane | Dichlorodifluoromethane | 1,1-Dichloroethane | 1,2-dichloroethane | 1,1-Dichloroethene | cis-1,2-dichloroethene | trans-1,2-Dichloroethene | 1,2-dichloropropane | Ethylbenzene | Isopropylbenzene | Isopropyl Ether | Methylene chloride | MTBE | Tetrachloroethene | Tetrahydrofuran | Toluene | 1,2,4-Trichlorobenzene | 1,1,1-Trichloroethane | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride | Total Xylenes |
| WDNR<br>NR140  | PAL                        | 200                  | 0.5     | 0.06                 | 1            | 90               | NE               | 200              | NE            | 80           | 0.6        | 0.3           | 15                  | 6                    | 200                     | 85                 | 0.5                | 0.7                | 7                      | 20                       | 0.5                 | 140          | NE               | NE              | 0.5                | 12   | 0.5               | 10              | 200     | 14                     |                       | 0.5             | NE                     | 96                     | 0.02                   | 1000           |               |
|                | ES                         | 1000                 | 5       | 0.6                  | 10           | 460              | NE               | 1000             | NE            | 400          | 6          | 3             | 75                  | 60                   | 1000                    | 850                | 5                  | 7                  | 70                     | 100                      | 5                   | 700          | NE               | NE              | 5                  | 60   | 5                 | 50              | 1000    | 70                     |                       | 5               | NE                     | 480                    | 0.2                    | 10000          |               |
| P-103D         | 7/14/2017                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 0.32 J                 |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| P-103D         | 10/18/2017                 |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 0.30 J                 |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | <b>0.35 J</b>  |               |
| P-103D         | 3/21/2018 <sup>5</sup>     |                      |         | NR                   |              |                  | NR               |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              | NR               | NR              |                    |      |                   |                 | NR      |                        |                       |                 |                        | NR                     | NR                     |                | NR            |
| P-103D         | 3/21/2018 SIM <sup>5</sup> |                      |         | NR                   | NR           | NR               | NR               | NR               | NR            | NR           | NR         | NR            | NR                  |                      | NR                      | NR                 |                    | NR                 | NR                     | NR                       |                     | NR           | NR               | NR              | NR                 | NR   | NR                | NR              |         | NR                     | 0.062                 | NR              | NR                     | NR                     | <b>0.25</b>            | NR             |               |
| P-103D         | 6/4/2018 <sup>6</sup>      |                      | 0.025 J |                      |              |                  |                  |                  |               |              |            | 0.041 JB      |                     |                      |                         |                    |                    |                    | 0.27                   |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
| P-103D         | 8/2/2018                   |                      | 0.031   |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 0.27                   |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       | 0.089           |                        |                        |                        | <u>0.19</u>    |               |
| P-103D         | 10/31/2018                 | 0.37                 | 0.031   |                      |              |                  |                  |                  |               |              |            | 0.10 B        |                     |                      |                         |                    |                    |                    | 0.32                   |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        | 0.086                 |                 |                        |                        | <b>0.27</b>            |                |               |













**Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| Sampling Point | Collection Date       | Parameters           |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |
|----------------|-----------------------|----------------------|---------|----------------------|--------------|------------------|------------------|------------------|---------------|--------------|------------|---------------|---------------------|----------------------|-------------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|---------------------|--------------|------------------|-----------------|--------------------|------|-------------------|-----------------|---------|------------------------|-----------------------|-----------------|------------------------|------------------------|------------------------|----------------|---------------|--|
|                |                       | Acetone <sup>1</sup> | Benzene | Bromodichloromethane | Bromomethane | 2-Butanone (MEK) | sec-Butylbenzene | Carbon Disulfide | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | 1,4-dichlorobenzene | Dibromochloromethane | Dichlorodifluoromethane | 1,1-Dichloroethane | 1,2-dichloroethane | 1,1-Dichloroethene | cis-1,2-dichloroethene | trans-1,2-Dichloroethene | 1,2-dichloropropane | Ethylbenzene | Isopropylbenzene | Isopropyl Ether | Methylene chloride | MTBE | Tetrachloroethene | Tetrahydrofuran | Toluene | 1,2,4-Trichlorobenzene | 1,1,1-Trichloroethane | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride | Total Xylenes |  |
| WDNR           | PAL                   | 200                  | 0.5     | 0.06                 | 1            | 90               | NE               | 200              | NE            | 80           | 0.6        | 0.3           | 15                  | 6                    | 200                     | 85                 | 0.5                | 0.7                | 7                      | 20                       | 0.5                 | 140          | NE               | NE              | 0.5                | 12   | 0.5               | 10              | 200     | 14                     |                       | 0.5             | NE                     | 96                     | 0.02                   | 1000           |               |  |
| NR140          | ES                    | 1000                 | 5       | 0.6                  | 10           | 460              | NE               | 1000             | NE            | 400          | 6          | 3             | 75                  | 60                   | 1000                    | 850                | 5                  | 7                  | 70                     | 100                      | 5                   | 700          | NE               | NE              | 5                  | 60   | 5                 | 50              | 1000    | 70                     |                       | 5               | NE                     | 480                    | 0.2                    | 10000          |               |  |
| P-107          | 4/12/2011             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | <b>0.84J</b>   |               |  |
| P-107          | 10/18/2011            |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>0.54J</b>  |  |
| P-107          | 4/4/2012              | 10.7 J               |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>1.1</b>    |  |
| P-107          | 10/17/2012            |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |
| P-107          | 4/26/2013             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |
| P-107          | 4/16/2014             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 0.51J                  |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>0.89J</b>  |  |
| P-107          | 4/15/2015             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 0.48J                  |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>0.57J</b>  |  |
| P-107          | 4/13/2016             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 0.52 J                 |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>0.72 J</b> |  |
| P-107          | 4/6/2017              |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>0.79 J</b> |  |
| P-107          | 6/4/2018 <sup>6</sup> |                      | 0.024 J |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 0.29                   |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       | 0.067 J         |                        |                        |                        |                | <b>0.58</b>   |  |



**Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| Sampling Point | Collection Date            | Parameters           |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |      |     |  |
|----------------|----------------------------|----------------------|---------|----------------------|--------------|------------------|------------------|------------------|---------------|--------------|------------|---------------|---------------------|----------------------|-------------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|---------------------|--------------|------------------|-----------------|--------------------|------|-------------------|-----------------|---------|------------------------|-----------------------|-----------------|------------------------|------------------------|------------------------|----------------|---------------|------|-----|--|
|                |                            | Acetone <sup>1</sup> | Benzene | Bromodichloromethane | Bromomethane | 2-Butanone (MEK) | sec-Butylbenzene | Carbon Disulfide | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | 1,4-dichlorobenzene | Dibromochloromethane | Dichlorodifluoromethane | 1,1-Dichloroethane | 1,2-dichloroethane | 1,1-Dichloroethene | cis-1,2-dichloroethene | trans-1,2-Dichloroethene | 1,2-dichloropropane | Ethylbenzene | Isopropylbenzene | Isopropyl Ether | Methylene chloride | MTBE | Tetrachloroethene | Tetrahydrofuran | Toluene | 1,2,4-Trichlorobenzene | 1,1,1-Trichloroethane | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride | Total Xylenes |      |     |  |
| WDNR<br>NR140  | PAL                        | 200                  | 0.5     | 0.06                 | 1            | 90               | NE               | 200              | NE            | 80           | 0.6        | 0.3           | 15                  | 6                    | 200                     | 85                 | 0.5                | 0.7                | 7                      | 20                       | 0.5                 | 140          | NE               | NE              | 0.5                | 12   | 0.5               | 10              | 200     | 14                     |                       | 0.5             | NE                     | 96                     | 0.02                   | 1000           |               |      |     |  |
|                | ES                         | 1000                 | 5       | 0.6                  | 10           | 460              | NE               | 1000             | NE            | 400          | 6          | 3             | 75                  | 60                   | 1000                    | 850                | 5                  | 7                  | 70                     | 100                      | 5                   | 700          | NE               | NE              | 5                  | 60   | 5                 | 50              | 1000    | 70                     |                       | 5               | NE                     | 480                    | 0.2                    | 10000          |               |      |     |  |
| P-107D         | 10/24/2013                 |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 2.6           |      |     |  |
| P-107D         | 1/9/2014                   |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 0.57 J                 |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 2.9           |      |     |  |
| P-107D         | 4/16/2014                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 5.6           |      |     |  |
| P-107D         | 7/17/2014                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 4.8           |      |     |  |
| P-107D         | 10/24/2014                 |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 3.1           |      |     |  |
| P-107D         | 1/15/2015                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 4.7           |      |     |  |
| P-107D         | 4/28/2015                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 2.1           |      |     |  |
| P-107D         | 7/1/2015                   |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 2.1           |      |     |  |
| P-107D         | 10/27/2015                 |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 3.1           |      |     |  |
| P-107D         | 1/14/2016                  |                      |         |                      |              |                  |                  |                  |               |              |            | 1.3           |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 2.6           |      |     |  |
| P-107D         | 4/13/2016                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 4.8           |      |     |  |
| P-107D         | 7/28/2016                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 1.9           |      |     |  |
| P-107D         | 10/27/2016                 |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 2             |      |     |  |
| P-107D         | 1/20/2017                  |                      |         |                      |              |                  |                  |                  |               |              |            | 2.4           |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 4.3           |      |     |  |
| P-107D         | 4/6/2017                   |                      |         |                      |              |                  |                  |                  |               |              |            | 0.77 J        |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 2.2           |      |     |  |
| P-107D         | 7/14/2017                  |                      |         |                      |              |                  |                  |                  |               |              |            | 1.4           |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 3.8           |      |     |  |
| P-107D         | 10/18/2017                 |                      |         |                      |              |                  |                  |                  |               |              |            | 0.76 J        |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 1.9           |      |     |  |
| P-107D         | 3/21/2018 <sup>5</sup>     |                      |         | NR                   |              |                  | NR               |                  |               |              | 0.88 J     |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              | NR               | NR              |                    |      |                   |                 |         |                        |                       |                 |                        | NR                     | NR                     | 3.6            | NR            |      |     |  |
| P-107D         | 3/21/2018 SIM <sup>5</sup> |                      |         | NR                   | NR           | NR               | NR               | NR               | NR            | NR           | NR         | NR            | NR                  | NR                   | NR                      | NR                 | NR                 | NR                 | NR                     | NR                       | NR                  | NR           | NR               | NR              | NR                 | NR   | NR                | NR              | NR      | NR                     | NR                    | NR              | NR                     | NR                     | NR                     | NR             | 3.2           | NR   |     |  |
| P-107D         | 6/4/2018 <sup>6</sup>      |                      |         |                      |              |                  |                  |                  |               |              | 0.86       |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 2.2           |      |     |  |
| P-107D         | 8/2/2018                   |                      |         |                      |              |                  |                  |                  |               |              | 0.35       |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 1.6           |      |     |  |
| P-107D         | 10/31/2018                 |                      |         |                      |              |                  |                  |                  |               |              | 2.0        |               | 0.12 B              |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | 0.96          | 0.18 | 6.5 |  |















**Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| Sampling Point | Collection Date       | Parameters           |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |  |  |       |
|----------------|-----------------------|----------------------|---------|----------------------|--------------|------------------|------------------|------------------|---------------|--------------|------------|---------------|---------------------|----------------------|-------------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|---------------------|--------------|------------------|-----------------|--------------------|------|-------------------|-----------------|---------|------------------------|-----------------------|-----------------|------------------------|------------------------|------------------------|----------------|---------------|--|--|--|-------|
|                |                       | Acetone <sup>1</sup> | Benzene | Bromodichloromethane | Bromomethane | 2-Butanone (MEK) | sec-Butylbenzene | Carbon Disulfide | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | 1,4-dichlorobenzene | Dibromochloromethane | Dichlorodifluoromethane | 1,1-Dichloroethane | 1,2-dichloroethane | 1,1-Dichloroethene | cis-1,2-dichloroethene | trans-1,2-Dichloroethene | 1,2-dichloropropane | Ethylbenzene | Isopropylbenzene | Isopropyl Ether | Methylene chloride | MTBE | Tetrachloroethene | Tetrahydrofuran | Toluene | 1,2,4-Trichlorobenzene | 1,1,1-Trichloroethane | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride | Total Xylenes |  |  |  |       |
| WDNR<br>NR140  | PAL                   | 200                  | 0.5     | 0.06                 | 1            | 90               | NE               | 200              | NE            | 80           | 0.6        | 0.3           | 15                  | 6                    | 200                     | 85                 | 0.5                | 0.7                | 7                      | 20                       | 0.5                 | 140          | NE               | NE              | 0.5                | 12   | 0.5               | 10              | 200     | 14                     |                       | 0.5             | NE                     | 96                     | 0.02                   | 1000           |               |  |  |  |       |
|                | ES                    | 1000                 | 5       | 0.6                  | 10           | 460              | NE               | 1000             | NE            | 400          | 6          | 3             | 75                  | 60                   | 1000                    | 850                | 5                  | 7                  | 70                     | 100                      | 5                   | 700          | NE               | NE              | 5                  | 60   | 5                 | 50              | 1000    | 70                     |                       | 5               | NE                     | 480                    | 0.2                    | 10000          |               |  |  |  |       |
| MW-112         | 1/16/2013             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |  |  |       |
| MW-112         | 4/24/2013             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |  |  |       |
| MW-112         | 10/24/2013            |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |  |  |       |
| MW-112         | 4/16/2014             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |  |  |       |
| MW-112         | 10/24/2014            |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |  |  |       |
| MW-112         | 4/28/2015             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |  |  |       |
| MW-112         | 10/28/2015            |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |  |  |       |
| MW-112         | 4/12/2016             |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |  |  |       |
| MW-112         | 10/27/2016            |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |  |  |       |
| MW-112         | 4/5/2017              |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |  |  |       |
| MW-112         | 10/18/2017            |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |  |  |       |
| MW-112         | 6/4/2018 <sup>6</sup> |                      |         |                      |              |                  |                  |                  |               | 0.12 J       |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |  |  |  |       |
| MW-112         | 10/31/2018            | 0.8                  |         |                      |              |                  |                  |                  |               | 0.12         |            | 0.042 JB      |                     |                      |                         |                    |                    |                    | 0.081 J                |                          |                     |              |                  |                 |                    |      | 0.084 J           |                 |         |                        |                       |                 |                        |                        | 0.43                   |                |               |  |  |  |       |
|                |                       |                      |         |                      |              |                  |                  |                  |               |              | 0.069 B    |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      | 0.19              |                 |         |                        |                       |                 |                        |                        | 0.86                   |                |               |  |  |  | 0.024 |













**Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| Sampling Point | Collection Date           | Parameters           |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |
|----------------|---------------------------|----------------------|---------|----------------------|--------------|------------------|------------------|------------------|---------------|--------------|------------|---------------|---------------------|----------------------|-------------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|---------------------|--------------|------------------|-----------------|--------------------|------|-------------------|-----------------|---------|------------------------|-----------------------|-----------------|------------------------|------------------------|------------------------|----------------|---------------|
|                |                           | Acetone <sup>1</sup> | Benzene | Bromodichloromethane | Bromomethane | 2-Butanone (MEK) | sec-Butylbenzene | Carbon Disulfide | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | 1,4-dichlorobenzene | Dibromochloromethane | Dichlorodifluoromethane | 1,1-Dichloroethane | 1,2-dichloroethane | 1,1-Dichloroethene | cis-1,2-dichloroethene | trans-1,2-Dichloroethene | 1,2-dichloropropane | Ethylbenzene | Isopropylbenzene | Isopropyl Ether | Methylene chloride | MTBE | Tetrachloroethene | Tetrahydrofuran | Toluene | 1,2,4-Trichlorobenzene | 1,1,1-Trichloroethane | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride | Total Xylenes |
| WDNR NR140     | PAL                       | 200                  | 0.5     | 0.06                 | 1            | 90               | NE               | 200              | NE            | 80           | 0.6        | 0.3           | 15                  | 6                    | 200                     | 85                 | 0.5                | 0.7                | 7                      | 20                       | 0.5                 | 140          | NE               | NE              | 0.5                | 12   | 0.5               | 10              | 200     | 14                     |                       | 0.5             | NE                     | 96                     | 0.02                   | 1000           |               |
|                | ES                        | 1000                 | 5       | 0.6                  | 10           | 460              | NE               | 1000             | NE            | 400          | 6          | 3             | 75                  | 60                   | 1000                    | 850                | 5                  | 7                  | 70                     | 100                      | 5                   | 700          | NE               | NE              | 5                  | 60   | 5                 | 50              | 1000    | 70                     |                       | 5               | NE                     | 480                    | 0.2                    | 10000          |               |
| P-114          | 6/5/2018 <sup>6</sup>     |                      |         |                      |              |                  |                  | 0.086 J          |               |              |            |               |                     |                      | 0.061 J                 |                    |                    |                    | 1.6                    |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | <b>5.8</b>     |               |
| P-114          | 6/5/2018 Dup <sup>6</sup> |                      |         |                      |              |                  |                  |                  |               | 0.27         |            |               |                     |                      |                         |                    |                    |                    | 1.7                    |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | <b>6.5</b>     |               |
| P-114          | 8/2/2018                  |                      |         |                      |              |                  |                  |                  |               | 0.44         |            |               |                     |                      |                         |                    |                    |                    | 1.6                    |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | <b>6.2</b>     |               |
| P-114          | 8/2/2018 Dup              |                      |         |                      |              |                  |                  |                  |               | 0.28         |            |               |                     |                      |                         |                    |                    |                    | 1.6                    |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        | <b>6.0</b>     |               |
| P-114          | 10/31/2018                | 0.61 B               |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    | 1.5                    |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        | <b>6.1</b>             |                |               |
| P-114          | 10/31/2018 Dup            |                      |         |                      |              |                  |                  |                  |               | 0.33         |            | 0.047 B       |                     |                      |                         |                    |                    |                    | 1.6                    |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        | <b>6.5</b>             |                |               |



**Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| Sampling Point | Collection Date            | Parameters           |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               |               |  |
|----------------|----------------------------|----------------------|---------|----------------------|--------------|------------------|------------------|------------------|---------------|--------------|------------|---------------|---------------------|----------------------|-------------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|---------------------|--------------|------------------|-----------------|--------------------|------|-------------------|-----------------|---------|------------------------|-----------------------|-----------------|------------------------|------------------------|------------------------|----------------|---------------|---------------|--|
|                |                            | Acetone <sup>1</sup> | Benzene | Bromodichloromethane | Bromomethane | 2-Butanone (MEK) | sec-Butylbenzene | Carbon Disulfide | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | 1,4-dichlorobenzene | Dibromochloromethane | Dichlorodifluoromethane | 1,1-Dichloroethane | 1,2-dichloroethane | 1,1-Dichloroethene | cis-1,2-dichloroethene | trans-1,2-Dichloroethene | 1,2-dichloropropane | Ethylbenzene | Isopropylbenzene | Isopropyl Ether | Methylene chloride | MTBE | Tetrachloroethene | Tetrahydrofuran | Toluene | 1,2,4-Trichlorobenzene | 1,1,1-Trichloroethane | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride | Total Xylenes |               |  |
| WDNR           | PAL                        | 200                  | 0.5     | 0.06                 | 1            | 90               | NE               | 200              | NE            | 80           | 0.6        | 0.3           | 15                  | 6                    | 200                     | 85                 | 0.5                | 0.7                | 7                      | 20                       | 0.5                 | 140          | NE               | NE              | 0.5                | 12   | 0.5               | 10              | 200     | 14                     |                       | 0.5             | NE                     | 96                     | 0.02                   | 1000           |               |               |  |
| NR140          | ES                         | 1000                 | 5       | 0.6                  | 10           | 460              | NE               | 1000             | NE            | 400          | 6          | 3             | 75                  | 60                   | 1000                    | 850                | 5                  | 7                  | 70                     | 100                      | 5                   | 700          | NE               | NE              | 5                  | 60   | 5                 | 50              | 1000    | 70                     |                       | 5               | NE                     | 480                    | 0.2                    | 10000          |               |               |  |
| P-115          | 1/15/2015                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                | <b>1.1</b>    |               |  |
| P-115          | 4/28/2015                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.1</b>    |  |
| P-115          | 7/1/2015                   |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.2</b>    |  |
| P-115          | 10/27/2015                 |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.1</b>    |  |
| P-115          | 1/14/2016                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>0.95 J</b> |  |
| P-115          | 4/13/2016                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.0</b>    |  |
| P-115          | 7/28/2016                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.1</b>    |  |
| P-115          | 10/27/2016                 |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>0.81 J</b> |  |
| P-115          | 4/6/2017                   |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.1</b>    |  |
| P-115          | 7/14/2017                  |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.0</b>    |  |
| P-115          | 10/18/2017                 |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.4</b>    |  |
| P-115          | 3/21/2018 <sup>5</sup>     |                      |         | NR                   |              |                  | NR               |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              | NR               | NR              |                    |      |                   |                 |         |                        |                       |                 |                        |                        | NR                     | NR             | <b>0.62 J</b> | NR            |  |
| P-115          | 3/21/2018 SIM <sup>5</sup> |                      |         | NR                   | NR           | NR               | NR               | NR               | NR            | NR           | NR         | NR            | NR                  |                      | NR                      | NR                 |                    | NR                 | NR                     | NR                       | NR                  | NR           | NR               | NR              | NR                 | NR   | NR                | NR              | NR      | NR                     | NR                    | NR              |                        | NR                     | NR                     | NR             | <b>0.85</b>   | NR            |  |
| P-115          | 6/5/2018 <sup>6</sup>      |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>0.98</b>   |  |
| P-115          | 8/2/2018                   |                      |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>0.97</b>   |  |
| P-115          | 10/31/2018                 | 0.40 B               |         |                      |              |                  |                  |                  |               |              |            | 0.040 B       |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |               | <b>1.0</b>    |  |





**Table 2. Groundwater VOC Analytical Results for Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| Sampling Point | Collection Date | Parameters           |         |                      |              |                  |                  |                  |               |              |            |               |                     |                      |                         |                    |                    |                    |                        |                          |                     |              |                  |                 |                    |      |                   |                 |         |                        |                       |                 |                        |                        |                        |                |
|----------------|-----------------|----------------------|---------|----------------------|--------------|------------------|------------------|------------------|---------------|--------------|------------|---------------|---------------------|----------------------|-------------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|---------------------|--------------|------------------|-----------------|--------------------|------|-------------------|-----------------|---------|------------------------|-----------------------|-----------------|------------------------|------------------------|------------------------|----------------|
|                |                 | Acetone <sup>1</sup> | Benzene | Bromodichloromethane | Bromomethane | 2-Butanone (MEK) | sec-Butylbenzene | Carbon Disulfide | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | 1,4-dichlorobenzene | Dibromochloromethane | Dichlorodifluoromethane | 1,1-Dichloroethane | 1,2-dichloroethane | 1,1-Dichloroethene | cis-1,2-dichloroethene | trans-1,2-Dichloroethene | 1,2-dichloropropane | Ethylbenzene | Isopropylbenzene | Isopropyl Ether | Methylene chloride | MTBE | Tetrachloroethene | Tetrahydrofuran | Toluene | 1,2,4-Trichlorobenzene | 1,1,1-Trichloroethane | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride |
| WDNR           | PAL             | 200                  | 0.5     | 0.06                 | 1            | 90               | NE               | 200              | NE            | 80           | 0.6        | 0.3           | 15                  | 6                    | 200                     | 85                 | 0.5                | 0.7                | 7                      | 20                       | 0.5                 | 140          | NE               | NE              | 0.5                | 12   | 0.5               | 10              | 200     | 14                     |                       | 0.5             | NE                     | 96                     | 0.02                   | 1000           |
| NR140          | ES              | 1000                 | 5       | 0.6                  | 10           | 460              | NE               | 1000             | NE            | 400          | 6          | 3             | 75                  | 60                   | 1000                    | 850                | 5                  | 7                  | 70                     | 100                      | 5                   | 700          | NE               | NE              | 5                  | 60   | 5                 | 50              | 1000    | 70                     |                       | 5               | NE                     | 480                    | 0.2                    | 10000          |

Results in µg/L (microgram per liter)

B = analyte found in method blank as well as sample

E = exceeds calibration range

J = estimated value between LOD and LOQ

LOD= Limit of Detection adjusted for dilution factor and percent moisture

LOQ= Limit of Quantitation adjusted for dilution factor and percent moisture

L = Lab Artifact

& = Laboratory control spike recovery not within control limits

NE = None Established

NA= Not Analyzed; no sample collected for analysis

NR = Value not reported by lab or not recorded during initial evaluation by Tetra Tech

PAL = Preventive Action Limit

ES = Enforcement Standard

Underline indicates exceeds NR 140 PAL

Bolding indicates exceeds NR 140 ES

Blank = Sample analyzed but No VOCs detected

Historical data for abandoned wells MW-105, P-105, P-109 and MW-110 can be found in reports prior to October 2004

\* Not sampled due to insufficient water for sample collection.

<sup>1</sup> The reporting of acetone on an 8260B VOC scan varies with labs. Enchem, which began analyzing samples in April 2003, does report acetone. Acetone has appeared in several wells beginning in October 2003.

<sup>2</sup> MW-103 had low concentrations of isopropyl ether detected in October 1997 and February 2002.

<sup>3</sup> Gaastra residence connected to city's water supply July 13, 2015. Outside faucet connected to original well for sampling purposes.

<sup>4</sup> Perry residence connected to city's water supply September 7, 2015. Outside faucet connected to original well for sampling purposes.

<sup>5</sup> Test America began analyzing samples in March 2018. Both standard 8260C and 8260SIM analysis were performed, and reported.

<sup>6</sup> CT Laboratories began analyzing samples in June 2018. Low Level 8260C analysis performed and reported.

P-114 (former Ehster well)

P-115 (former Wiese well)

P-116 (former Hadel well)

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID    | Compound              | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP** | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|------------|-----------------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|-------|------------------|-----------------------|-------|-------------|
|            |                       | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |       |                  |                       |       |             |
|            | Detection Range       | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |       |                  |                       |       |             |
|            | Target                | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50   | >0.5             |                       |       |             |
|            | Units                 | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV    | mg/l             | uS/cm                 | Units | °C          |
| MW-101     | 2/1/2007              |                              |                              |                  |                               |                 |                 |       |                  | 558                   | 6.59  | 7.4         |
|            | 5/1/2007              |                              |                              |                  |                               |                 |                 |       |                  | 1021                  | 6.92  | 13.1        |
|            | 5/6/2008              |                              |                              |                  |                               |                 |                 |       |                  | 782                   | 7.18  | 12.4        |
|            | 4/8/2009              |                              |                              |                  |                               |                 |                 |       |                  | 940                   | 6.75  | 12.5        |
|            | 10/29/2009            | <0.20                        | 0.39                         | >2.5             | >100                          | <0.2            | 0.015           | -98   | 3.17             | 914                   | 6.85  | 11.8        |
|            | 5/25/2010             | <0.20                        | 0.08                         | >2.5             | >100                          | <0.2            | 0.0192          | -73   | 1.65             | 961                   | 6.55  | 25.3        |
|            | 10/4/2010             | 0.08                         |                              |                  | >100                          |                 | 0.0136          | -63   | 2.13             | 1265                  | 6.95  | 15.8        |
|            | 1/26/2011             |                              |                              | >2.5             |                               |                 |                 | -14   | 2.51             | 938                   | 7.39  | 6.2         |
|            | 4/11/2011             |                              |                              |                  |                               |                 |                 |       |                  | 1020                  | 7.48  | 14.1        |
|            | 4/3/2012              |                              |                              |                  |                               |                 |                 |       |                  | 960                   | 7.10  | 13.0        |
| MW-103     | 2/1/2007              |                              |                              |                  |                               |                 |                 |       |                  | 2670                  | 6.95  | 5.7         |
|            | 5/2/2007              |                              |                              |                  |                               |                 |                 |       |                  | 1180                  | 6.64  | 10.8        |
|            | 10/18/2007            |                              |                              |                  |                               |                 |                 |       |                  | 1609                  | 6.74  | 13.0        |
|            | 5/5/2008              |                              |                              |                  |                               |                 |                 |       |                  | 1420                  | 7.06  | 12.2        |
|            | 10/2/2008             |                              |                              |                  |                               |                 |                 |       |                  | 1411                  | 6.69  | 11.3        |
|            | 4/7/2009              |                              |                              |                  |                               |                 |                 |       |                  | 1433                  | 7.17  | 10.3        |
|            | 10/28/2009            | <0.20                        | >0.80                        | 0.42             | >100                          | <0.2            | 0.00042         | 24    | 4.21             | 1780                  | 6.79  | 10.7        |
|            | 2/25/2010             | >1.5                         | <0.08                        | <0.1             | >100                          | <0.2            | <0.0028         | 55    | 4.1              | 2                     | 6.96  | 8.6         |
|            | 5/24/2010             | >1.5                         | <0.08                        | 0.11             | >100                          | <0.2            | <0.0028         | 86    | 2.84             | 2110                  | 6.49  | 17.7        |
|            | 10/4/2010             | >1.5                         |                              |                  | >100                          |                 | 0.0235          | 46    | 3.33             | 1920                  | 7.22  | 12.9        |
|            | 1/26/2011             |                              |                              | 0.09             |                               |                 |                 | 62    | 4.52             | 1700                  | 7.22  | 5.5         |
|            | 4/11/2011             |                              |                              | 0.07             |                               |                 |                 | 136   | 5.02             | 1217                  | 6.79  | 13.8        |
|            | 7/11/2011             |                              |                              | 0.13             |                               |                 |                 | 33    | 3.54             | 1660                  | 7.14  | 18.7        |
|            | 10/19/2011            |                              |                              | <0.1             |                               |                 |                 | 171   | 4.01             | 1580                  | 6.88  | 8.7         |
|            | 1/24/2012             |                              |                              | <0.1             |                               |                 |                 | 144   | 3.28             | 1930                  | 6.98  | 6.1         |
|            | 4/3/2012              |                              |                              | <0.1             |                               |                 |                 | 98    | 3.25             | 2130                  | 6.88  | 12.4        |
|            | 7/25/2012             |                              |                              | 0.323            |                               |                 |                 | 58    | 2.56             | 1950                  | 6.71  | 21.4        |
|            | 10/17/2012            |                              |                              | <0.1             |                               |                 |                 | 59    | 6.02             | 1690                  | 6.96  | 12.7        |
|            | 1/16/2013             |                              |                              | <0.1             |                               |                 |                 | 36    | 3.67             | 1730                  | 7.00  | 6.6         |
|            | 4/24/2013             |                              |                              | 0.394            |                               |                 |                 | 41    | 3.29             | 1454                  | 7.05  | 11.3        |
|            | 10/24/2013            |                              |                              | 0.207            |                               |                 |                 | 33    | 5.26             | 1356                  | 7.10  | 7.9         |
|            | 4/16/2014             |                              |                              | 0.177            |                               |                 |                 | 85    | 4.35             | 1210                  | 7.30  | 8.3         |
|            | 10/23/2014            |                              |                              | 0.25             |                               |                 |                 | 65    | 5.3              | 1387                  | 7.28  | 10.1        |
|            | 4/28/2015             |                              |                              | 0.274            |                               |                 |                 | 47    | 4.16             | 1425                  | 7.41  | 11.7        |
| 4/12/2016  |                       |                              | 0.361                        |                  |                               |                 | 44              | 4.77  | 1392             | 7.14                  | 11.9  |             |
| 10/27/2016 |                       |                              | 0.295                        |                  |                               |                 | NM              | NM    | 1358             | 6.86                  | 9.0   |             |
| 4/5/2017   |                       |                              | 0.558                        |                  |                               |                 | 91              | 5.94  | 1371             | 7.00                  | 9.3   |             |
| 10/18/2017 |                       |                              | 0.06                         |                  |                               |                 | 17              | 4.65  | 1259             | 7.09                  | 13.6  |             |
| 6/4/2018   |                       |                              | 0.01                         |                  |                               |                 | 97              | 4.51  | 509              | 7.08                  | 16.9  |             |
| 10/31/2018 |                       |                              | 0.02                         |                  |                               |                 | 20              | 5.18  | 1078             | 7.07                  | 9.4   |             |
| MW-104     | 10/19/2011            |                              |                              |                  |                               |                 |                 |       |                  | 1312                  | 6.78  | 9.9         |
|            | 4/3/2012              |                              |                              |                  |                               |                 |                 |       |                  | 1134                  | 6.90  | 12.3        |
|            | 10/17/2012            |                              |                              |                  |                               |                 |                 |       |                  | 1517                  | 6.71  | 12.7        |
|            | 4/24/2013             |                              |                              |                  |                               |                 |                 |       |                  | 1396                  | 6.87  | 12.2        |
|            | 4/16/2014             |                              |                              |                  |                               |                 |                 |       |                  | 1138                  | 7.20  | 10.4        |
|            | 4/15/2015             |                              |                              |                  |                               |                 |                 |       |                  | 1205                  | 6.92  | 14.2        |
|            | 4/12/2016             |                              |                              |                  |                               |                 |                 |       |                  | 1130                  | 7.15  | 12.0        |
|            | 4/5/2017 <sup>1</sup> |                              |                              |                  |                               |                 |                 |       |                  | 1108                  | 6.53  | 10.4        |
| 6/4/2018   |                       |                              |                              |                  |                               |                 |                 |       | 1124             | 6.95                  | 16.7  |             |





**Table 3. Groundwater Natural Attenuation Parameters  
FF/NN Landfill, Ripon, WI**

| Well ID               | Compound              | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP**   | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|---------|------------------|-----------------------|-------|-------------|
|                       |                       | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |         |                  |                       |       |             |
|                       | Detection Range       | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |         |                  |                       |       |             |
|                       | Target                | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50     | >0.5             |                       |       |             |
|                       | Units                 | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV      | mg/l             | uS/cm                 | Units | °C          |
| P-101                 | 12/4/2002             |                              |                              |                  | 50                            |                 |                 | -53.5   | 0.08             | 843                   | 7.12  | 9.26        |
|                       | 4/22/2003             |                              |                              |                  | 51                            |                 |                 | -36.9   | 0.81             | 646                   | 7.46  | 10.12       |
|                       | 10/23/2003            | <0.058                       |                              |                  | 49                            |                 |                 | -65.5   | 0.66             | 754                   | 7.04  | 10.20       |
|                       | 5/1/2007              |                              |                              |                  |                               |                 |                 |         |                  | 828                   | 7.57  | 11.7        |
|                       | 5/6/2008              |                              |                              |                  |                               |                 |                 |         |                  | 735                   | 7.69  | 11.3        |
|                       | 4/8/2009              |                              |                              |                  |                               |                 |                 |         |                  | 749                   | 7.24  | 11.4        |
|                       | 10/29/2009            | 0.39                         | 0.12                         | 1.84             | 71.36                         | <0.2            | 0.00059         | -108    | 2.2              | 880                   | 7.32  | 11.2        |
|                       | 5/25/2010             | <0.20                        | <0.08                        | 1.38             | 70.81                         | <0.2            | <0.0028         | -48     | 1.04             | 925                   | 6.62  | 25.5        |
|                       | 10/4/2010             | 0.08                         |                              |                  | 69.72                         |                 | ND              | -92     | 1.9              | 948                   | 7.51  | 15.0        |
|                       | 1/26/2011             |                              |                              | 1.24             |                               |                 |                 | -31     | 2.65             | 829                   | 7.26  | 5.8         |
|                       | 4/11/2011             |                              |                              |                  |                               |                 |                 |         |                  | 840                   | 7.96  | 12.8        |
|                       | 4/3/2012              |                              |                              |                  |                               |                 |                 |         |                  | 776                   | 7.40  | 11.6        |
| P-103                 | 12/4/2002             |                              |                              |                  | 54                            |                 | 0.037           | -60.50  | 1.17             | 956                   | 7.00  | 9.49        |
|                       | 4/21/2003             |                              |                              |                  | 58                            |                 |                 | -29.90  | 0.71             | 388                   | 7.28  | 10.50       |
|                       | 10/22/2003            | 0.41                         |                              |                  | 54                            |                 |                 | -147.10 | 0.82             | 874                   | 7.17  | 10.06       |
|                       | 2/1/2007              |                              |                              |                  |                               |                 |                 | 172     | 0.53             | 903                   | 6.86  | 9.0         |
|                       | 5/2/2007              |                              |                              |                  |                               |                 |                 | 206     | 0.92             | 896                   | 6.78  | 9.9         |
|                       | 8/14/2007             |                              |                              |                  |                               |                 |                 | 226     | 0.70             | 863                   | 7.09  | 11.4        |
|                       | 10/18/2007            |                              |                              |                  |                               |                 |                 | 300     | 0.51             | 863                   | 6.35  | 11.0        |
|                       | 5/5/2008              |                              |                              |                  |                               |                 |                 | 30      | 0.93             | 956                   | 6.98  | 10.5        |
|                       | 10/2/2008             |                              |                              |                  |                               |                 |                 | 323     | 1.37             | 888                   | 6.70  | 10.8        |
|                       | 4/7/2009              |                              |                              |                  |                               |                 |                 | -95     | 1.09             | 813                   | 7.40  | 9.8         |
|                       | 10/28/2009            | 0.45                         | <0.08                        | <0.1             | 78.95                         | <0.2            | 0.052           | -125    | 0.85             | 739                   | 7.19  | 10.2        |
|                       | 2/25/2010             | >1.5                         | NM                           | NM               | 83.29                         | <0.2            | 0.0416          | -120    | 1.62             | 845                   | 7.25  | 9.0         |
|                       | 5/24/2010             | <0.20                        | <0.08                        | >2.5             | 89.8                          | <0.2            | 0.0489          | -104    | 0.38             | 815                   | 7.00  | 11.2        |
|                       | 10/5/2010             | 0.08                         |                              |                  | 85.02                         |                 | 0.0562          | -128    | 1.15             | 874                   | 7.86  | 10.9        |
|                       | 1/25/2011             |                              |                              | 2.5              |                               |                 |                 | -69     | 0.64             | 776                   | 7.60  | 9.3         |
|                       | 4/12/2011             |                              |                              | >2.5             |                               |                 |                 | -125    | 1.22             | 906                   | 7.19  | 10.0        |
|                       | 7/11/2011             |                              |                              | >2.5             |                               |                 |                 | -123    | 0.83             | 743                   | 7.92  | 11.5        |
|                       | 10/18/2011            |                              |                              | >2.5             |                               |                 |                 | -76     | 1.60             | 737                   | 7.38  | 10.3        |
|                       | 1/24/2012             |                              |                              | >2.5             |                               |                 |                 | -47     | 0.65             | 878                   | 7.27  | 9.0         |
|                       | 4/4/2012              |                              |                              | 2.489            |                               |                 |                 | -96     | 0.93             | 985                   | 7.26  | 10.2        |
|                       | 7/25/2012             |                              |                              | >2.5             |                               |                 |                 | -100    | 0.67             | 855                   | 6.94  | 11.7        |
|                       | 10/17/2012            |                              |                              | >2.5             |                               |                 |                 | -101    | 1.00             | 808                   | 6.83  | 10.5        |
|                       | 1/16/2013             |                              |                              | 2.102            |                               |                 |                 | -123    | 0.51             | 824                   | 7.15  | 9.3         |
|                       | 4/26/2013             |                              |                              | >2.5             |                               |                 |                 | -86     | 0.59             | 790                   | 7.45  | 10.4        |
|                       | 10/24/2013            |                              |                              | >2.5             |                               |                 |                 | 0       | 1.43             | 815                   | 6.29  | 10.0        |
|                       | 4/16/2014             |                              |                              | >2.5             |                               |                 |                 | -78     | 1.71             | 767                   | 7.56  | 9.5         |
|                       | 10/23/2014            |                              |                              | >2.5             |                               |                 |                 | 40      | 0.96             | 687                   | 7.16  | 10.2        |
| 4/28/2015             |                       |                              | >2.5                         |                  |                               |                 | 75              | 0.53    | 802              | 7.03                  | 9.9   |             |
| 10/27/2015            |                       |                              | >2.5                         |                  |                               |                 | 33              | 1.37    | 731              | 7.61                  | 10.2  |             |
| 4/13/2016             |                       |                              | >2.5                         |                  |                               |                 | -29             | 1.37    | 722              | 6.81                  | 9.3   |             |
| 10/27/2016            |                       |                              | >2.5                         |                  |                               |                 | -2              | 1.50    | 719              | 6.70                  | 10.1  |             |
| 4/6/2017 <sup>1</sup> |                       |                              | NM                           |                  |                               |                 | 90              | 1.13    | 730              | 6.28                  | 9.5   |             |
| 10/18/2017            |                       |                              | >2.5                         |                  |                               |                 | -76             | 0.85    | 789              | 7.16                  | 10.4  |             |
| 6/4/2018              |                       |                              | >2.5                         |                  |                               |                 | 96              | 4.54    | 501              | 7.08                  | 16.8  |             |
| 10/31/2018            |                       |                              | >2.5                         |                  |                               |                 | -90             | 0.83    | 700              | 7.02                  | 10.0  |             |
| P-106                 | 4/24/2013             |                              |                              |                  |                               |                 |                 | -6      | 3.17             | 764                   | 7.26  | 9.8         |
|                       | 4/16/2014             |                              |                              |                  |                               |                 |                 | -74     | 1.40             | 730                   | 7.67  | 9.5         |
|                       | 4/15/2015             |                              |                              |                  |                               |                 |                 | 63      | 0.57             | 770                   | 7.25  | 10.0        |
|                       | 4/12/2016             |                              |                              |                  |                               |                 |                 | -46     | 0.83             | 681                   | 6.79  | 9.8         |
|                       | 4/5/2017 <sup>1</sup> |                              |                              |                  |                               |                 |                 | -104    | 1.11             | 682                   | 7.47  | 9.7         |
|                       | 6/4/2018              |                              |                              |                  |                               |                 |                 | -73     | 0.57             | 481                   | 7.52  | 10.7        |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP**  | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|--------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |        |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |        |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50    | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV     | mg/l             | uS/cm                 | Units | °C          |
| P-107                 | 12/4/2002       | NM                           | NM                           | NM               | 66                            |                 | 0.11            | -28.00 | 0.86             | 791                   | 7.22  | 9.40        |
|                       | 4/21/2003       |                              |                              |                  | 74                            |                 |                 | 37.30  | 0.76             | 646                   | 7.43  | 9.62        |
|                       | 10/21/2003      | <0.058                       |                              |                  |                               |                 |                 | -70.40 | 0.92             | 716                   | 7.18  | 9.73        |
|                       | 5/1/2007        |                              |                              |                  |                               |                 |                 | 240    | 1.64             | 840                   | 6.66  | 9.6         |
|                       | 10/19/2007      |                              |                              |                  |                               |                 |                 | 330    | 1.80             | 863                   | 6.42  | 10.7        |
|                       | 5/5/2008        |                              |                              |                  |                               |                 |                 | 8      | 1.50             | 925                   | 7.50  | 11.0        |
|                       | 10/1/2008       |                              |                              |                  |                               |                 |                 | 350    | 2.63             | 923                   | 6.66  | 10.2        |
|                       | 4/7/2009        |                              |                              |                  |                               |                 |                 | -95    | 1.75             | 852                   | 7.34  | 9.0         |
|                       | 10/28/2009      | <0.20                        | <0.08                        | 1.68             | 89.8                          | <0.2            | 0.31            | -78    | 1.19             | 778                   | 7.08  | 10.9        |
|                       | 5/24/2010       | <0.20                        | <0.08                        | 1.76             | 99.39                         | <0.2            | 0.383           | -70    | 1.12             | 869                   | 6.92  | 13.2        |
|                       | 10/5/2010       | 0.06                         |                              |                  | 88.68                         |                 | 0.345           | -117   | 1.84             | 930                   | 7.86  | 10.8        |
|                       | 1/24/2011       |                              |                              | 1.33             |                               |                 |                 | -28    | 1.82             | 838                   | 6.73  | 7.8         |
|                       | 4/12/2011       |                              |                              |                  |                               |                 |                 | -68    | 1.39             | 966                   | 7.16  | 10.1        |
|                       | 10/18/2011      |                              |                              |                  |                               |                 |                 | -49    | 1.50             | 796                   | 7.34  | 10.4        |
|                       | 4/4/2012        |                              |                              |                  |                               |                 |                 | -82    | 1.64             | 1051                  | 7.26  | 10.2        |
|                       | 10/17/2012      |                              |                              |                  |                               |                 |                 | -88    | 1.55             | 886                   | 7.28  | 11.3        |
|                       | 4/26/2013       |                              |                              |                  |                               |                 |                 | -76    | 2.16             | 860                   | 7.53  | 10.8        |
|                       | 4/16/2014       |                              |                              |                  |                               |                 |                 | -69    | 1.77             | 847                   | 7.58  | 8.9         |
|                       | 4/15/2015       |                              |                              |                  |                               |                 |                 | 72     | 1.31             | 900                   | 7.26  | 11.0        |
| 4/13/2016             |                 |                              |                              |                  |                               |                 | -51             | 0.95   | 805              | 7.32                  | 7.7   |             |
| 4/6/2017 <sup>1</sup> |                 |                              |                              |                  |                               |                 | -70             | 1.57   | 813              | 7.37                  | 9.5   |             |
| 6/4/2018              |                 |                              |                              |                  |                               |                 | -34             | 1.08   | 418              | 7.37                  | 11.8  |             |
| P-111                 | 12/5/2002       |                              |                              |                  | 44                            |                 |                 | -88.30 | -0.03            | 639                   | 7.43  | 9.76        |
|                       | 4/22/2003       |                              |                              |                  | 39                            |                 |                 | -74.20 | 0.67             | 486                   | 7.71  | 12.06       |
|                       | 10/22/2003      | <0.058                       |                              |                  | 31                            |                 |                 | -94.00 | 0.75             | 566                   | 7.53  | 9.87        |
|                       | 8/14/2007       |                              |                              |                  |                               |                 |                 | 118    | 0.35             | 580                   | 7.46  | 11.1        |
|                       | 5/5/2008        |                              |                              |                  |                               |                 |                 | 65     | 0.35             | 614                   | 7.72  | 10.5        |
|                       | 4/7/2009        |                              |                              |                  |                               |                 |                 | -89    | 0.26             | 624                   | 7.62  | 9.1         |
|                       | 10/28/2009      | <0.20                        | <0.08                        | 0.53             | 64.03                         | <0.2            | 0.0085          | -140   | 0.48             | 616                   | 7.57  | 10.1        |
|                       | 5/24/2010       | <0.20                        | <0.08                        | 0.61             | 70.99                         | <0.2            | 0.0051          | -101   | 0.24             | 673                   | 7.25  | 10.5        |
|                       | 10/5/2010       | 0.06                         |                              |                  | 69.06                         |                 | 0.0065          | -131   | 0.28             | 715                   | 8.26  | 10.3        |
|                       | 1/24/2011       |                              |                              | 0.45             |                               |                 |                 | -98    | 0.58             | 632                   | 7.35  | 9.1         |
|                       | 4/13/2011       |                              |                              |                  |                               |                 |                 | -53    | 1.46             | 683                   | 6.99  | 9.7         |
|                       | 4/4/2012        |                              |                              |                  |                               |                 |                 | -104   | 0.60             | 832                   | 7.53  | 9.9         |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP**  | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |      |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|--------|------------------|-----------------------|-------|-------------|------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |        |                  |                       |       |             |      |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |        |                  |                       |       |             |      |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50    | >0.5             |                       |       |             |      |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV     | mg/l             | uS/cm                 | Units | °C          |      |
| MW-3B                 | 12/5/2002       |                              |                              |                  | 36                            |                 |                 | -87    | -0.11            | 1248                  | 6.57  | 9.84        |      |
|                       | 12/5/2002       |                              |                              |                  | 36                            |                 |                 |        |                  |                       |       |             |      |
|                       | 4/22/2003       |                              |                              |                  | 46                            |                 |                 | -92    | 0.37             | 815                   | 7.18  | 9.86        |      |
|                       | 10/22/2003      | <0.058                       |                              |                  | 43                            |                 |                 | -161   | 0.55             | 662                   | 7.45  | 9.79        |      |
|                       | 1/31/2007       |                              |                              |                  |                               |                 |                 | 140    | 0.51             | 710                   | 7.27  | 8.2         |      |
|                       | 5/1/2007        |                              |                              |                  |                               |                 |                 | 125    | 1.32             | 703                   | 6.99  | 9.5         |      |
|                       | 8/8/2007        |                              |                              |                  |                               |                 |                 | -233   | 0.43             | 605                   | 7.49  | 10.3        |      |
|                       | 10/19/2007      |                              |                              |                  |                               |                 |                 | 170    | 0.29             | 598                   | 6.63  | 9.8         |      |
|                       | 5/6/2008        |                              |                              |                  |                               |                 |                 | 21     | 0.40             | 672                   | 7.89  | 9.7         |      |
|                       | 10/1/2008       |                              |                              |                  |                               |                 |                 | 334    | 1.35             | 646                   | 6.90  | 9.7         |      |
|                       | 4/7/2009        |                              |                              |                  |                               |                 |                 | -116   | 0.20             | 604                   | 7.48  | 8.8         |      |
|                       | 10/28/2009      | <0.20                        | <0.08                        |                  | 0.72                          | 37.68           | <0.2            | 0.098  | -230             | 0.35                  | 567   | 7.65        | 9.4  |
|                       | 5/24/2010       | <0.20                        | <0.08                        |                  | 0.78                          | 50.67           | <0.2            | 0.0275 | -176             | 0.17                  | 650   | 7.27        | 10.2 |
|                       | 10/5/2010       | 0.05                         |                              |                  | 0.61                          | 43.23           |                 | 0.0159 | -161             | 8.80                  | 697   | 8.24        | 9.9  |
|                       | 1/24/2011       |                              |                              |                  | 0.66                          |                 |                 |        | -109             | 0.44                  | 614   | 6.90        | 8.4  |
|                       | 4/13/2011       |                              |                              |                  | 0.84                          |                 |                 |        | -207             | 0.52                  | 694   | 7.65        | 9.5  |
|                       | 7/12/2011       |                              |                              |                  | 0.68                          |                 |                 |        | -195             | 0.96                  | 591   | 7.54        | 9.9  |
|                       | 10/19/2011      |                              |                              |                  | 0.71                          |                 |                 |        | -171             | 2.18                  | 604   | 7.89        | 9.5  |
|                       | 1/23/2012       |                              |                              |                  | 0.79                          |                 |                 |        | -110             | 0.28                  | 734   | 7.37        | 8.7  |
|                       | 4/4/2012        |                              |                              |                  | 0.861                         |                 |                 |        | -151             | 1.39                  | 811   | 7.57        | 9.3  |
|                       | 7/25/2012       |                              |                              |                  | 0.681                         |                 |                 |        | -231             | 0.39                  | 693   | 7.65        | 11.6 |
|                       | 10/16/2012      |                              |                              |                  | 0.72                          |                 |                 |        | -157             | 0.42                  | 675   | 7.36        | 10.0 |
|                       | 1/15/2013       |                              |                              |                  | 0.874                         |                 |                 |        | -233             | 1.60                  | 702   | 7.62        | 8.9  |
|                       | 4/26/2013       |                              |                              |                  | 0.85                          |                 |                 |        | -158             | 2.59                  | 681   | 7.90        | 9.6  |
|                       | 7/2/2013        |                              |                              |                  | 0.804                         |                 |                 |        | -91              | 0.35                  | 707   | 7.34        | 9.9  |
|                       | 10/24/2013      |                              |                              |                  | 0.774                         |                 |                 |        | -18              | 0.59                  | 684   | 7.60        | 9.4  |
|                       | 1/9/2014        |                              |                              |                  | 0.911                         |                 |                 |        | 10               | 1.82                  | 640   | 7.53        | 8.4  |
|                       | 4/17/2014       |                              |                              |                  | 0.784                         |                 |                 |        | -142             | 1.01                  | 679   | 7.91        | 9.2  |
|                       | 7/17/2014       |                              |                              |                  | 0.811                         |                 |                 |        | -22              | 0.38                  | 708   | 7.65        | 9.9  |
|                       | 10/23/2014      |                              |                              |                  | 1.219                         |                 |                 |        | -189             | 0.29                  | 622   | 8.00        | 9.4  |
|                       | 1/15/2015       |                              |                              |                  | 0.874                         |                 |                 |        | -196             | 0.48                  | 669   | 7.96        | 8.6  |
|                       | 4/28/2015       |                              |                              |                  | <0.1                          |                 |                 |        | -127             | 0.84                  | 736   | 7.30        | 9.5  |
|                       | 7/1/2015        |                              |                              |                  | 0.991                         |                 |                 |        | -144             | 0.42                  | 694   | 7.66        | 9.6  |
|                       | 10/27/2015      |                              |                              |                  | 0.997                         |                 |                 |        | -114             | 0.48                  | 667   | 8.26        | 9.7  |
|                       | 1/14/2016       |                              |                              |                  | 0.923                         |                 |                 |        | -59              | 0.28                  | 633   | 7.21        | 8.8  |
|                       | 4/13/2016       |                              |                              |                  | 1.095                         |                 |                 |        | -140             | 0.31                  | 666   | 7.81        | 8.8  |
| 7/28/2016             |                 |                              |                              | 1.19             |                               |                 |                 | -234   | 0.29             | 584                   | 7.89  | 10.1        |      |
| 10/27/2016            |                 |                              |                              | 1.137            |                               |                 |                 | -203   | 0.44             | 684                   | 7.50  | 9.5         |      |
| 1/20/2017             |                 |                              |                              | 1.335            |                               |                 |                 | -136   | 0.42             | 722                   | 7.50  | 8.9         |      |
| 4/6/2017 <sup>1</sup> |                 |                              |                              | NM               |                               |                 |                 | -184   | 0.31             | 683                   | 7.67  | 9.2         |      |
| 7/14/2017             |                 |                              |                              | 1.04             |                               |                 |                 | -128   | 0.39             | 648                   | 7.39  | 9.8         |      |
| 10/18/2017            |                 |                              |                              | 1.02             |                               |                 |                 | -124   | 0.29             | 775                   | 7.45  | 10.1        |      |
| 3/21/2018             |                 |                              |                              | 1.00             |                               |                 |                 | -133   | 0.45             | 621                   | 7.90  | 8.9         |      |
| 6/4/2018              |                 |                              |                              | 0.86             |                               |                 |                 | -2     | 0.30             | 359                   | 7.60  | 9.8         |      |
| 8/2/2018              |                 |                              |                              | 0.91             |                               |                 |                 | -176   | 0.40             | 623                   | 7.74  | 9.9         |      |
| 10/31/2018            |                 |                              |                              | NM               |                               |                 |                 | -219   | 0.29             | 662                   | 7.94  | 9.7         |      |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP** | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|-------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |       |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |       |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50   | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV    | mg/l             | uS/cm                 | Units | °C          |
| P-103D                | 5/2/2007        |                              |                              |                  |                               |                 |                 | 260   | 0.57             | 879                   | 6.89  | 9.9         |
|                       | 10/18/2007      |                              |                              |                  |                               |                 |                 | 321   | 0.54             | 854                   | 6.43  | 11.2        |
|                       | 5/5/2008        |                              |                              |                  |                               |                 |                 | 20    | 0.63             | 935                   | 7.02  | 10.8        |
|                       | 10/2/2008       |                              |                              |                  |                               |                 |                 | 327   | 3.40             | 877                   | 6.85  | 10.7        |
|                       | 4/7/2010        |                              |                              |                  |                               |                 |                 | -110  | 0.45             | 808                   | 7.61  | 10.0        |
|                       | 10/28/2009      | <0.20                        | 0.17                         | >2.5             | 76.38                         | <0.2            | 0.098           | -146  | 0.52             | 746                   | 7.30  | 10.2        |
|                       | 2/25/2010       |                              | <0.08                        | >2.5             | 78.05                         | <0.2            | 0.0747          | -146  | 0.76             | 842                   | 7.39  | 9.2         |
|                       | 5/24/2010       | <0.20                        | <0.08                        | >2.5             | 88.88                         | <0.2            | 0.0303          | -111  | 0.37             | 853                   | 7.08  | 11.1        |
|                       | 10/5/2010       | 0.11                         |                              |                  | 93.48                         |                 | <b>0.0659</b>   | -147  | 1.10             | 898                   | 7.97  | 10.9        |
|                       | 1/25/2011       |                              |                              | >2.5             |                               |                 |                 | -71   | 0.73             | 781                   | 7.56  | 9.4         |
|                       | 4/12/2011       |                              |                              | >2.5             |                               |                 |                 | -132  | 1.09             | 906                   | 7.26  | 10.2        |
|                       | 7/11/2011       |                              |                              | >2.5             |                               |                 |                 | -138  | 1.34             | 751                   | 8.12  | 11.6        |
|                       | 10/18/2011      |                              |                              | >2.5             |                               |                 |                 | -82   | 1.28             | 768                   | 7.41  | 10.2        |
|                       | 1/24/2012       |                              |                              | >2.5             |                               |                 |                 | -64   | 0.40             | 895                   | 7.28  | 9.3         |
|                       | 4/4/2012        |                              |                              | >2.5             |                               |                 |                 | -114  | 0.59             | 1004                  | 7.36  | 10.2        |
|                       | 7/25/2012       |                              |                              | >2.5             |                               |                 |                 | -109  | 0.78             | 846                   | 6.75  | 11.4        |
|                       | 10/17/2012      |                              |                              | >2.5             |                               |                 |                 | -115  | 1.74             | 835                   | 7.13  | 10.4        |
|                       | 1/16/2013       |                              |                              | 1.715            |                               |                 |                 | -129  | 0.31             | 832                   | 7.00  | 9.4         |
|                       | 4/26/2013       |                              |                              | >2.5             |                               |                 |                 | -97   | 1.41             | 806                   | 7.50  | 10.4        |
|                       | 7/2/2013        |                              |                              | >2.5             |                               |                 |                 | 6     | 0.57             | 839                   | 6.56  | 10.7        |
|                       | 10/24/2013      |                              |                              | >2.5             |                               |                 |                 | 74    | 0.40             | 835                   | 6.67  | 9.9         |
|                       | 1/9/2014        |                              |                              | >2.5             |                               |                 |                 | 62    | 2.03             | 754                   | 6.91  | 8.9         |
|                       | 4/16/2014       |                              |                              | >2.5             |                               |                 |                 | -103  | 0.74             | 784                   | 7.69  | 9.8         |
|                       | 7/17/2014       |                              |                              | 0.754            |                               |                 |                 | 97    | 0.82             | 822                   | 6.61  | 10.8        |
|                       | 10/23/2014      |                              |                              | >2.5             |                               |                 |                 | 68    | 0.69             | 701                   | 6.86  | 10.2        |
|                       | 1/15/2015       |                              |                              | >2.5             |                               |                 |                 | -42   | 1.48             | 754                   | 6.92  | 9.1         |
|                       | 4/28/2015       |                              |                              | >2.5             |                               |                 |                 | -38   | 0.58             | 823                   | 6.75  | 10.3        |
|                       | 7/1/2015        |                              |                              | >2.5             |                               |                 |                 | -20   | 0.87             | 782                   | 6.63  | 10.5        |
|                       | 10/27/2015      |                              |                              | >2.5             |                               |                 |                 | 44    | 0.39             | 758                   | 6.48  | 10.3        |
|                       | 1/14/2016       |                              |                              | >2.5             |                               |                 |                 | 23    | 0.76             | 713                   | 6.47  | 9.2         |
|                       | 4/13/2016       |                              |                              | >2.5             |                               |                 |                 | -49   | 0.41             | 794                   | 9.03  | 9.3         |
|                       | 7/28/2016       |                              |                              | >2.5             |                               |                 |                 | -29   | 0.76             | 748                   | 6.85  | 10.8        |
|                       | 10/27/2016      |                              |                              | >2.5             |                               |                 |                 | 29    | 0.91             | 744                   | 6.40  | 10.1        |
| 1/20/2017             |                 |                              | >2.5                         |                  |                               |                 | 61              | 1.05  | 752              | 6.44                  | 9.5   |             |
| 4/6/2017 <sup>1</sup> |                 |                              | NM                           |                  |                               |                 | -41             | 1.54  | 751              | 7.27                  | 9.7   |             |
| 7/14/2017             |                 |                              | >2.5                         |                  |                               |                 | -61             | 0.41  | 711              | 7.02                  | 10.4  |             |
| 10/18/2017            |                 |                              | >2.5                         |                  |                               |                 | -55             | 0.59  | 810              | 7.13                  | 10.4  |             |
| 3/21/2018             |                 |                              | >2.5                         |                  |                               |                 | -127            | 0.57  | 685              | 7.46                  | 9.3   |             |
| 6/4/2018              |                 |                              | >2.5                         |                  |                               |                 | -31             | 0.60  | 439              | 7.38                  | 10.7  |             |
| 8/2/2018              |                 |                              | >2.5                         |                  |                               |                 | -49             | 0.63  | 726              | 6.88                  | 10.5  |             |
| 10/31/2018            |                 |                              | 2.13                         |                  |                               |                 | -99             | 0.65  | 735              | 6.84                  | 10.0  |             |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP**  | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|--------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |        |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |        |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50    | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV     | mg/l             | uS/cm                 | Units | °C          |
| P-111D                | 12/5/2002       |                              |                              |                  | 62                            |                 |                 | -75.60 | -0.02            | 910                   | 7.32  | 9.75        |
|                       | 4/23/2003       |                              |                              |                  | 64                            |                 |                 | -20.50 | 0.94             | 706                   | 7.63  | 9.98        |
|                       | 10/23/2003      | <0.058                       |                              |                  | 65                            |                 |                 | -68.30 | 0.70             | 838                   | 7.17  | 9.78        |
|                       | 1/31/2007       |                              |                              |                  |                               |                 |                 | 74     | 0.72             | 885                   | 7.30  | 8.9         |
|                       | 5/1/2007        |                              |                              |                  |                               |                 |                 | 78     | 3.37             | 900                   | 7.05  | 10.0        |
|                       | 8/8/2007        |                              |                              |                  |                               |                 |                 | 55     | 0.55             | 900                   | 7.25  | 10.9        |
|                       | 10/19/2007      |                              |                              |                  |                               |                 |                 | 296    | 0.53             | 897                   | 6.90  | 10.7        |
|                       | 5/6/2008        |                              |                              |                  |                               |                 |                 | 15     | 0.56             | 980                   | 7.56  | 10.6        |
|                       | 10/1/2008       |                              |                              |                  |                               |                 |                 | 330    | 2.31             | 907                   | 7.07  | 10.0        |
|                       | 4/7/2009        |                              |                              |                  |                               |                 |                 | -97    | 1.98             | 821                   | 7.52  | 9.3         |
|                       | 10/28/2009      | <0.20                        | <0.08                        | 1.79             | 60.63                         | <0.2            | 0.33            | -171   | 0.46             | 764                   | 7.51  | 10.0        |
|                       | 2/25/2010       | 0.43                         | <0.08                        | 1.62             | 65.7                          | <0.2            | 0.123           | -125   | 0.86             | 871                   | 7.45  | 6.0         |
|                       | 5/24/2010       | <0.20                        | <0.08                        | 1.83             | 70.59                         | 0.25            | 0.31/0.239 Dup  | -136   | 0.24             | 840                   | 7.21  | 10.7        |
|                       | 10/5/2010       | 0.08                         |                              | 1.75             | 61.2                          |                 | 0.269/0.222 Dup | -148   | 0.75             | 886                   | 8.13  | 10.3        |
|                       | 1/24/2011       |                              |                              | 1.72             |                               |                 |                 | -101   | 0.77             | 801                   | 6.83  | 8.9         |
|                       | 4/13/2011       |                              |                              | 1.89             |                               |                 |                 | -126   | 0.42             | 873                   | 7.19  | 9.9         |
|                       | 7/11/2011       |                              |                              | 1.87             |                               |                 |                 | -178   | 0.88             | 759                   | 7.37  | 11.0        |
|                       | 10/18/2011      |                              |                              | 1.57             |                               |                 |                 | -95    | 2.43             | 752                   | 7.71  | 10.0        |
|                       | 1/23/2012       |                              |                              | 1.87             |                               |                 |                 | -68    | 0.33             | 898                   | 7.31  | 9.3         |
|                       | 4/4/2012        |                              |                              | 1.693            |                               |                 |                 | -128   | 0.72             | 1009                  | 7.50  | 10.0        |
|                       | 7/25/2012       |                              |                              | 1.227            |                               |                 |                 | -171   | 0.65             | 850                   | 7.49  | 11.5        |
|                       | 10/17/2012      |                              |                              | 1.324            |                               |                 |                 | -131   | 0.51             | 838                   | 7.56  | 10.5        |
|                       | 1/16/2013       |                              |                              | 0.339            |                               |                 |                 | -177   | 1.93             | 870                   | 7.45  | 9.4         |
|                       | 4/26/2013       |                              |                              | 1.486            |                               |                 |                 | -114   | 1.16             | 838                   | 7.71  | 10.5        |
|                       | 7/2/2013        |                              |                              | 1.505            |                               |                 |                 | -53    | 1.38             | 870                   | 7.27  | 10.5        |
|                       | 10/24/2013      |                              |                              | 1.302            |                               |                 |                 | 31     | 0.53             | 853                   | 7.46  | 9.8         |
|                       | 1/9/2014        |                              |                              | 1.451            |                               |                 |                 | 88     | 2.90             | 790                   | 6.54  | 9.0         |
|                       | 4/17/2014       |                              |                              | 1.495            |                               |                 |                 | -106   | 0.53             | 839                   | 7.86  | 9.6         |
|                       | 7/17/2014       |                              |                              | <0.1             |                               |                 |                 | 62     | 0.37             | 879                   | 7.51  | 10.6        |
|                       | 10/23/2014      |                              |                              | 1.419            |                               |                 |                 | -93    | 0.43             | 753                   | 7.99  | 9.9         |
|                       | 1/15/2015       |                              |                              | 1.227            |                               |                 |                 | -179   | 0.49             | 814                   | 7.81  | 9.2         |
|                       | 4/28/2015       |                              |                              | 0.231            |                               |                 |                 | 3      | 0.27             | 886                   | 7.94  | 10.0        |
|                       | 7/1/2015        |                              |                              | 1.157            |                               |                 |                 | -103   | 0.44             | 842                   | 7.44  | 10.2        |
|                       | 10/27/2015      |                              |                              | 1.241            |                               |                 |                 | -49    | 1.37             | 817                   | 7.72  | 10.2        |
| 1/14/2016             |                 |                              | 1.31                         |                  |                               |                 | -37             | 0.50   | 794              | 7.12                  | 9.1   |             |
| 4/13/2016             |                 |                              | 1.493                        |                  |                               |                 | -97             | 0.40   | 827              | 7.54                  | 9.2   |             |
| 7/28/2016             |                 |                              | 1.073                        |                  |                               |                 | -157            | 0.43   | 823              | 7.60                  | 10.8  |             |
| 10/27/2016            |                 |                              | 1.102                        |                  |                               |                 | -94             | 0.78   | 828              | 7.26                  | 9.9   |             |
| 1/20/2017             |                 |                              | 1.309                        |                  |                               |                 | 13              | 0.59   | 837              | 7.19                  | 9.4   |             |
| 4/6/2017 <sup>1</sup> |                 |                              | NM                           |                  |                               |                 | 31              | 0.54   | 849              | 7.24                  | 9.7   |             |
| 7/14/2017             |                 |                              | 1.03                         |                  |                               |                 | -126            | 0.40   | 790              | 7.37                  | 10.2  |             |
| 10/18/2017            |                 |                              | 0.75                         |                  |                               |                 | -93             | 0.50   | 920              | 7.46                  | 10.5  |             |
| 3/21/2018             |                 |                              | 0.9                          |                  |                               |                 | -120            | 0.60   | 752              | 7.83                  | 9.2   |             |
| 6/5/2018              |                 |                              | 1.19                         |                  |                               |                 | -57             | 2.04   | 433              | 7.55                  | 10.1  |             |
| 8/2/2018              |                 |                              | 0.93                         |                  |                               |                 | -76             | 1.20   | 796              | 7.37                  | 10.3  |             |
| 10/31/2018            |                 |                              | 1.13                         |                  |                               |                 | -101            | 0.53   | 813              | 7.51                  | 9.9   |             |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP**   | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|---------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |         |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |         |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50     | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV      | mg/l             | uS/cm                 | Units | °C          |
| P-113B                | 12/3/2002       |                              |                              |                  | 47                            |                 |                 | 27.20   | 0.39             | 960                   | 6.80  | 10.18       |
|                       | 4/23/2003       |                              |                              |                  | 56                            |                 |                 | -54.30  | 1.05             | 715                   | 7.22  | 10.13       |
|                       | 10/22/2003      | <0.058                       |                              |                  | 49                            |                 |                 | -125.40 | 0.46             | 616                   | 7.42  | 10.13       |
|                       | 1/31/2007       |                              |                              |                  |                               |                 |                 | 109     | 0.40             | 620                   | 7.33  | 8.8         |
|                       | 5/1/2007        |                              |                              |                  |                               |                 |                 | 113     | 1.03             | 625                   | 7.03  | 10.2        |
|                       | 8/14/2007       |                              |                              |                  |                               |                 |                 | 110     | 0.28             | 618                   | 7.28  | 11.1        |
|                       | 10/22/2007      |                              |                              |                  |                               |                 |                 | 252     | 0.53             | 629                   | 6.70  | 10.3        |
|                       | 5/6/2008        |                              |                              |                  |                               |                 |                 | -16     | 0.33             | 716                   | 7.31  | 10.3        |
|                       | 10/2/2008       |                              |                              |                  |                               |                 |                 | 328     | 2.47             | 674                   | 7.12  | 10.6        |
|                       | 4/6/2009        |                              |                              |                  |                               |                 |                 | -122    | 0.40             | 627                   | 7.54  | 9.2         |
|                       | 10/29/2009      | <0.20                        | <0.08                        | 0.83             | 70.14                         | <0.2            | 0.057           | -187    | 0.42             | 579                   | 7.33  | 10.3        |
|                       | 5/25/2010       | <0.20                        | <0.08                        | 1.19             | 80.11                         | <0.2            | <0.0028         | -145    | 0.17             | 646                   | 7.26  | 10.9        |
|                       | 10/6/2010       | 0.1                          |                              | 0.98             | 75.55                         |                 | ND              | -183    | 0.35             | 685                   | 8.09  | 11.0        |
|                       | 1/25/2011       |                              |                              | 0.9              |                               |                 |                 | -86     | 0.94             | 619                   | 7.50  | 9.8         |
|                       | 4/13/2011       |                              |                              | 1.11             |                               |                 |                 | -164    | 1.11             | 675                   | 7.44  | 10.2        |
|                       | 7/12/2011       |                              |                              | 0.99             |                               |                 |                 | -164    | 0.47             | 588                   | 7.43  | 10.5        |
|                       | 10/19/2011      |                              |                              | 0.94             |                               |                 |                 | -118    | 0.50             | 588                   | 7.71  | 10.2        |
|                       | 1/23/2012       |                              |                              | 0.99             |                               |                 |                 | -75     | 0.29             | 703                   | 7.57  | 9.3         |
|                       | 4/4/2012        |                              |                              | 1.034            |                               |                 |                 | -104    | 0.72             | 783                   | 7.08  | 9.7         |
|                       | 7/25/2012       |                              |                              | 0.947            |                               |                 |                 | -167    | 0.67             | 668                   | 7.56  | 11.5        |
|                       | 10/16/2012      |                              |                              | 0.998            |                               |                 |                 | -117    | 0.43             | 655                   | 7.51  | 11.0        |
|                       | 1/15/2013       |                              |                              | 1.06             |                               |                 |                 | -106    | 0.71             | 674                   | 7.40  | 9.2         |
|                       | 4/26/2013       |                              |                              | 0.938            |                               |                 |                 | -125    | 0.78             | 651                   | 7.84  | 10.3        |
|                       | 7/2/2013        |                              |                              | 1.081            |                               |                 |                 | -80     | 1.01             | 679                   | 7.41  | 10.7        |
|                       | 10/24/2013      |                              |                              | 0.879            |                               |                 |                 | -96     | 1.29             | 675                   | 7.20  | 10.6        |
|                       | 1/9/2014        |                              |                              | 0.955            |                               |                 |                 | -25     | 1.93             | 614                   | 7.50  | 9.4         |
|                       | 4/17/2014       |                              |                              | <0.1             |                               |                 |                 | -94     | 0.99             | 642                   | 7.85  | 9.4         |
|                       | 7/17/2014       |                              |                              | <0.1             |                               |                 |                 | -18     | 0.32             | 675                   | 7.78  | 10.7        |
|                       | 10/23/2014      |                              |                              | 0.668            |                               |                 |                 | -154    | 0.43             | 582                   | 7.84  | 10.4        |
|                       | 1/15/2015       |                              |                              | 1.048            |                               |                 |                 | -213    | 0.90             | 630                   | 7.70  | 9.7         |
|                       | 4/28/2015       |                              |                              | <0.1             |                               |                 |                 | -123    | 1.34             | 685                   | 7.30  | 10.1        |
|                       | 7/1/2015        |                              |                              | 1.058            |                               |                 |                 | -120    | 0.79             | 647                   | 7.68  | 10.2        |
|                       | 10/27/2015      |                              |                              | 1.071            |                               |                 |                 | -98     | 0.27             | 633                   | 7.35  | 10.5        |
| 1/14/2016             |                 |                              | 1.018                        |                  |                               |                 | -227            | 0.54    | 639              | 8.70                  | 9.4   |             |
| 4/13/2016             |                 |                              | 1.098                        |                  |                               |                 | -135            | 0.35    | 626              | 7.81                  | 9.4   |             |
| 7/28/2016             |                 |                              | 0.968                        |                  |                               |                 | -229            | 0.46    | 633              | 7.79                  | 10.7  |             |
| 10/27/2016            |                 |                              | 0.922                        |                  |                               |                 | -88             | 0.92    | 632              | 7.43                  | 10.1  |             |
| 1/20/2017             |                 |                              | 1.341                        |                  |                               |                 | -118            | 0.56    | 668              | 7.57                  | 9.7   |             |
| 4/6/2017 <sup>1</sup> |                 |                              | NM                           |                  |                               |                 | -138            | 0.52    | 638              | 7.64                  | 9.8   |             |
| 7/14/2017             |                 |                              | 1.04                         |                  |                               |                 | -154            | 0.82    | 605              | 7.46                  | 10.6  |             |
| 10/18/2017            |                 |                              | 0.99                         |                  |                               |                 | -117            | 0.48    | 721              | 7.53                  | 11.3  |             |
| 3/21/2018             |                 |                              | 1.06                         |                  |                               |                 | -132            | 0.59    | 579              | 7.92                  | 9.5   |             |
| 6/5/2018              |                 |                              | 0.69                         |                  |                               |                 | -79             | 0.64    | 215              | 7.67                  | 10.4  |             |
| 8/2/2018              |                 |                              | 1.00                         |                  |                               |                 | -112            | 0.57    | 601              | 7.56                  | 10.5  |             |
| 10/31/2018            |                 |                              | 0.89                         |                  |                               |                 | -143            | 0.29    | 624              | 7.71                  | 10.9  |             |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP**   | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|---------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |         |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |         |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50     | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV      | mg/l             | uS/cm                 | Units | °C          |
| P-114 (Ehster)        | 12/3/2002       |                              |                              |                  | 44                            |                 |                 |         |                  | 695                   | 7.71  | 11.10       |
|                       | 4/23/2003       |                              |                              |                  | 63                            |                 |                 | -117.00 | 0.85             | 669                   | 7.71  | 10.00       |
|                       | 10/23/2003      | <0.058                       |                              |                  | 49                            |                 |                 | -125.10 | 0.54             | 1379                  | 7.31  | 9.87        |
|                       | 2/1/2007        |                              |                              |                  |                               |                 |                 | 151     | 0.21             | 674                   | 7.27  | 9.9         |
|                       | 5/1/2007        |                              |                              |                  |                               |                 |                 | 149     | 0.96             | 686                   | 7.08  | 10.2        |
|                       | 8/8/2007        |                              |                              |                  |                               |                 |                 | 202     | 0.34             | 667                   | 7.45  | 11.0        |
|                       | 10/22/2007      |                              |                              |                  |                               |                 |                 | 313     | 0.90             | 670                   | 6.71  | 10.2        |
|                       | 5/6/2008        |                              |                              |                  |                               |                 |                 | 14      | 0.74             | 775                   | 7.23  | 10.2        |
|                       | 10/2/2008       |                              |                              |                  |                               |                 |                 | 307     | 2.34             | 737                   | 7.01  | 10.4        |
|                       | 4/6/2009        |                              |                              |                  |                               |                 |                 | -76     | 0.45             | 687                   | 7.58  | 9.5         |
|                       | 10/29/2009      | 0.22                         | <0.08                        | 0.56             | 50.61                         | <0.2            | 0.28            | -120    | 0.44             | 636                   | 7.41  | 10.0        |
|                       | 2/26/2010       | 0.61                         | 0.11                         | 0.54             | 49.43                         | <0.2            | 0.285           | -148    | 0.35             | 707                   | 7.62  | 9.2         |
|                       | 5/26/2010       | <0.20                        | 0.15                         | 0.6              | 57.47                         | <0.2            | 0.138/0.194 Dup | -129    | 0.66             | 703                   | 7.27  | 10.4        |
|                       | 10/6/2010       | 0.11                         |                              | 0.72             | 57.18                         |                 | 0.186/0.224 Dup | -182    | 0.86             | 766                   | 8.28  | 10.6        |
|                       | 1/25/2011       |                              |                              | 0.6              |                               |                 |                 | -58     | 0.42             | 679                   | 7.60  | 9.3         |
|                       | 4/13/2011       |                              |                              | 0.65             |                               |                 |                 | -147    | 0.42             | 744                   | 7.49  | 9.9         |
|                       | 7/12/2011       |                              |                              | 0.57             |                               |                 |                 | -134    | 1.95             | 646                   | 7.48  | 10.5        |
|                       | 10/19/2011      |                              |                              | 0.62             |                               |                 |                 | -123    | 1.49             | 652                   | 7.82  | 10.0        |
|                       | 1/23/2012       |                              |                              | 0.93             |                               |                 |                 | -78     | 0.35             | 785                   | 7.60  | 9.1         |
|                       | 4/4/2012        |                              |                              | 0.598            |                               |                 |                 | -116    | 0.66             | 873                   | 7.63  | 9.8         |
|                       | 7/25/2012       |                              |                              | 0.556            |                               |                 |                 | -200    | 0.40             | 748                   | 7.63  | 11.0        |
|                       | 10/17/2012      |                              |                              | 0.757            |                               |                 |                 | -131    | 0.76             | 733                   | 7.55  | 10.5        |
|                       | 1/16/2013       |                              |                              | <0.1             |                               |                 |                 | -184    | 0.43             | 753                   | 7.55  | 9.4         |
|                       | 4/26/2013       |                              |                              | 0.96             |                               |                 |                 | 3       | 1.56             | 731                   | 7.61  | 9.7         |
|                       | 7/2/2013        |                              |                              | 0.721            |                               |                 |                 | -88     | 0.34             | 766                   | 7.47  | 10.5        |
|                       | 10/24/2013      |                              |                              | 0.726            |                               |                 |                 | -89     | 0.37             | 772                   | 7.29  | 9.9         |
|                       | 1/9/2014        |                              |                              | 0.64             |                               |                 |                 | -21     | 1.18             | 694                   | 7.58  | 9.2         |
|                       | 4/17/2014       |                              |                              | 0.755            |                               |                 |                 | -120    | 0.63             | 730                   | 7.95  | 9.7         |
|                       | 7/17/2014       |                              |                              | <0.1             |                               |                 |                 | -17     | 0.33             | 774                   | 7.86  | 10.1        |
|                       | 10/23/2014      |                              |                              | 1.027            |                               |                 |                 | -110    | 0.27             | 667                   | 7.91  | 10.0        |
|                       | 1/15/2015       |                              |                              | 0.747            |                               |                 |                 | -194    | 0.37             | 720                   | 7.93  | 9.3         |
|                       | 4/28/2015       |                              |                              | <0.1             |                               |                 |                 | -38     | 0.23             | 775                   | 8.20  | 9.7         |
|                       | 7/1/2015        |                              |                              | 0.806            |                               |                 |                 | -113    | 0.41             | 744                   | 7.67  | 10.2        |
| 10/27/2015            |                 |                              | 1.863                        |                  |                               |                 | -119            | 0.30    | 731              | 7.57                  | 10.1  |             |
| 1/14/2016             |                 |                              | 0.691                        |                  |                               |                 | -72             | 0.43    | 697              | 7.76                  | 9.3   |             |
| 4/13/2016             |                 |                              | 0.811                        |                  |                               |                 | -137            | 0.30    | 719              | 7.86                  | 9.4   |             |
| 7/28/2016             |                 |                              | 0.81                         |                  |                               |                 | -228            | 0.33    | 731              | 7.83                  | 10.5  |             |
| 10/27/2016            |                 |                              | 0.749                        |                  |                               |                 | -167            | 0.28    | 732              | 7.49                  | 10.0  |             |
| 1/20/2017             |                 |                              | 1.148                        |                  |                               |                 | -122            | 0.26    | 780              | 7.56                  | 9.4   |             |
| 4/6/2017 <sup>1</sup> |                 |                              | NM                           |                  |                               |                 | -134            | 0.39    | 745              | 7.70                  | 9.7   |             |
| 7/14/2017             |                 |                              | 0.79                         |                  |                               |                 | -166            | 0.27    | 700              | 7.48                  | 10.3  |             |
| 10/18/2017            |                 |                              | 0.77                         |                  |                               |                 | -137            | 0.51    | 824              | 7.63                  | 10.7  |             |
| 3/21/2018             |                 |                              | 0.82                         |                  |                               |                 | -137            | 0.28    | 678              | 7.94                  | 9.5   |             |
| 6/5/2018              |                 |                              | 0.81                         |                  |                               |                 | -80             | 0.28    | 328              | 7.70                  | 10.3  |             |
| 8/2/2018              |                 |                              | 0.90                         |                  |                               |                 | -108            | 0.32    | 681              | 7.64                  | 10.5  |             |
| 10/31/2018            |                 |                              | 0.76                         |                  |                               |                 | -141            | 0.21    | 727              | 7.59                  | 10.1  |             |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID                   | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP** | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|---------------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|-------|------------------|-----------------------|-------|-------------|
|                           |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |       |                  |                       |       |             |
|                           | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |       |                  |                       |       |             |
|                           | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50   | >0.5             |                       |       |             |
|                           | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV    | mg/l             | uS/cm                 | Units | °C          |
| P-115 (former Wiese well) | 2/1/2007        |                              |                              |                  |                               |                 |                 | 128   | 0.29             | 590                   | 7.35  | 9.6         |
|                           | 5/1/2007        |                              |                              |                  |                               |                 |                 | 112   | 0.85             | 589                   | 7.12  | 10.5        |
|                           | 8/14/2007       |                              |                              |                  |                               |                 |                 | 216   | 0.43             | 582                   | 7.44  | 10.7        |
|                           | 10/22/2007      |                              |                              |                  |                               |                 |                 | 313   | 0.54             | 579                   | 6.74  | 10.6        |
|                           | 5/6/2008        |                              |                              |                  |                               |                 |                 | -16   | 0.48             | 690                   | 7.27  | 10.7        |
|                           | 10/2/2008       |                              |                              |                  |                               |                 |                 | 315   | 2.44             | 654                   | 6.89  | 10.7        |
|                           | 4/6/2009        |                              |                              |                  |                               |                 |                 | -72   | 0.30             | 605                   | 7.58  | 9.9         |
|                           | 10/29/2009      | <0.20                        | <0.08                        | 0.92             | 40.7                          | <0.2            | 0.044           | -166  | 0.47             | 551                   | 7.52  | 10.2        |
|                           | 2/26/2010       | 0.36                         | <0.08                        | 1.48             | 43.65                         | <0.2            | 0.0579          | -155  | 0.35             | 620                   | 7.64  | 9.8         |
|                           | 5/26/2010       | <0.20                        | <0.08                        | 1.01             | 46.07                         | <0.2            | 0.049           | -135  | 0.40             | 608                   | 7.30  | 10.5        |
|                           | 10/6/2010       | 0.1                          |                              | 0.95             | 41.23                         |                 | 0.0562          | -175  | 1.42             | 646                   | 8.15  | 10.7        |
|                           | 1/25/2011       |                              |                              | 0.95             |                               |                 |                 | -78   | 0.42             | 572                   | 7.68  | 9.8         |
|                           | 4/13/2011       |                              |                              | 1.05             |                               |                 |                 | -178  | 0.44             | 626                   | 7.51  | 10.5        |
|                           | 7/12/2011       |                              |                              | 0.86             |                               |                 |                 | -143  | 1.74             | 546                   | 7.47  | 10.6        |
|                           | 10/19/2011      |                              |                              | 0.82             |                               |                 |                 | -128  | 0.55             | 543                   | 7.87  | 10.3        |
|                           | 1/23/2012       |                              |                              | 1.41             |                               |                 |                 | -78   | 0.34             | 647                   | 7.53  | 9.6         |
|                           | 4/4/2012        |                              |                              | 0.804            |                               |                 |                 | -126  | 0.40             | 724                   | 7.65  | 10.1        |
|                           | 7/25/2012       |                              |                              | 0.7              |                               |                 |                 | -223  | 0.39             | 619                   | 7.72  | 11.3        |
|                           | 10/17/2012      |                              |                              | 0.797            |                               |                 |                 | -137  | 1.22             | 602                   | 7.62  | 10.8        |
|                           | 1/16/2013       |                              |                              | <0.1             |                               |                 |                 | -185  | 1.00             | 619                   | 7.59  | 9.9         |
|                           | 4/26/2013       |                              |                              | 0.866            |                               |                 |                 | -30   | 1.20             | 597                   | 7.75  | 10.2        |
|                           | 7/2/2013        |                              |                              | 0.911            |                               |                 |                 | -89   | 0.48             | 626                   | 7.57  | 10.6        |
|                           | 10/24/2013      |                              |                              | 0.843            |                               |                 |                 | -80   | 0.51             | 631                   | 7.48  | 10.2        |
|                           | 1/9/2014        |                              |                              | <0.1             |                               |                 |                 | -15   | 1.69             | 567                   | 7.71  | 9.7         |
|                           | 4/17/2014       |                              |                              | <0.1             |                               |                 |                 | -127  | 0.92             | 594                   | 7.99  | 9.8         |
|                           | 7/17/2014       |                              |                              | <0.1             |                               |                 |                 | -22   | 0.33             | 626                   | 7.93  | 10.7        |
|                           | 10/23/2014      |                              |                              | 0.879            |                               |                 |                 | -95   | 0.34             | 542                   | 8.01  | 10.2        |
|                           | 1/15/2015       |                              |                              | 0.988            |                               |                 |                 | -176  | 0.39             | 589                   | 7.99  | 9.7         |
|                           | 4/28/2015       |                              |                              | 0.139            |                               |                 |                 | -22   | 0.28             | 639                   | 8.29  | 10.3        |
|                           | 7/1/2015        |                              |                              | 1.254            |                               |                 |                 | -121  | 0.37             | 608                   | 7.83  | 10.6        |
|                           | 10/27/2015      |                              |                              | 2.015            |                               |                 |                 | -99   | 0.26             | 594                   | 7.62  | 10.4        |
|                           | 1/14/2016       |                              |                              | 0.828            |                               |                 |                 | -60   | 0.34             | 569                   | 7.61  | 9.8         |
|                           | 4/13/2016       |                              |                              | 1.151            |                               |                 |                 | -124  | 0.33             | 589                   | 7.93  | 9.8         |
| 7/28/2016                 |                 |                              | 1.116                        |                  |                               |                 | -193            | 0.44  | 597              | 7.91                  | 10.7  |             |
| 10/27/2016                |                 |                              | 0.748                        |                  |                               |                 | -127            | 0.29  | 596              | 7.56                  | 10.4  |             |
| 4/6/2017 <sup>1</sup>     |                 |                              | NM                           |                  |                               |                 | -137            | 1.16  | 608              | 7.72                  | 10.2  |             |
| 7/14/2017                 |                 |                              | 0.84                         |                  |                               |                 | -143            | 0.28  | 575              | 7.54                  | 10.6  |             |
| 10/18/2017                |                 |                              | 0.80                         |                  |                               |                 | -130            | 0.81  | 703              | 7.60                  | 11.0  |             |
| 3/21/2018                 |                 |                              | 0.72                         |                  |                               |                 | -143            | 0.63  | 554              | 8.02                  | 9.9   |             |
| 6/5/2018                  |                 |                              | 0.56                         |                  |                               |                 | -96             | 0.24  | 323              | 7.77                  | 10.5  |             |
| 8/2/2018                  |                 |                              | 0.84                         |                  |                               |                 | -105            | 1.65  | 576              | 7.54                  | 10.5  |             |
| 10/31/2018                |                 |                              | 1.02                         |                  |                               |                 | -141            | 0.25  | 598              | 7.69                  | 10.2  |             |



**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID                   | Compound              | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP** | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|---------------------------|-----------------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|-------|------------------|-----------------------|-------|-------------|
|                           |                       | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |       |                  |                       |       |             |
| Detection Range           |                       | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |       |                  |                       |       |             |
| Target                    |                       | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50   | >0.5             |                       |       |             |
| Units                     |                       | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV    | mg/l             | uS/cm                 | Units | °C          |
| P-116 (former Hadel well) | 2/1/2007              |                              |                              |                  |                               |                 |                 | 171   | 0.38             | 528                   | 7.34  | 8.8         |
|                           | 5/1/2007              |                              |                              |                  |                               |                 |                 | 142   | 0.59             | 528                   | 7.09  | 10.5        |
|                           | 8/8/2007              |                              |                              |                  |                               |                 |                 | 202   | 0.42             | 523                   | 7.53  | 12.1        |
|                           | 10/22/2007            |                              |                              |                  |                               |                 |                 | 301   | 0.59             | 522                   | 6.75  | 10.8        |
|                           | 5/6/2008              |                              |                              |                  |                               |                 |                 | 38    | 0.71             | 603                   | 7.18  | 12.3        |
|                           | 10/2/2008             |                              |                              |                  |                               |                 |                 | 295   | 2.70             | 559                   | 7.04  | 11.2        |
|                           | 4/6/2009              |                              |                              |                  |                               |                 |                 | -49   | 0.89             | 518                   | 7.57  | 9.5         |
|                           | 10/29/2009            | 0.33                         | 0.21                         | 0.51             | 41.29                         | 0.32            | 0.0031          | -96   | 0.44             | 476                   | 7.53  | 10.3        |
|                           | 2/26/2010             | 0.48                         | 0.23                         | 0.51             | 41.82                         | 0.4             | 0.0042          | -97   | 0.44             | 535                   | 7.64  | 9.1         |
|                           | 5/25/2010             | 0.33                         | 0.24                         | 0.73             | 49.87                         | 0.49            | 0.004           | -75   | 0.33             | 530                   | 7.30  | 12.2        |
|                           | 10/6/2010             | 0.45                         |                              | 0.92             | 58.53                         |                 | 0.0051          | -106  | 0.55             | 567                   | 8.20  | 12.1        |
|                           | 1/25/2011             |                              |                              | 0.45             |                               |                 |                 | 37    | 0.56             | 506                   | 7.76  | 9.0         |
|                           | 4/13/2011             |                              |                              | 0.51             |                               |                 |                 | -109  | 0.58             | 556                   | 7.49  | 10.7        |
|                           | 7/12/2011             |                              |                              | 0.35             |                               |                 |                 | -91   | 1.42             | 485                   | 7.50  | 11.9        |
|                           | 10/19/2011            |                              |                              | 0.37             |                               |                 |                 | -77   | 0.89             | 482                   | 7.92  | 10.4        |
|                           | 1/23/2012             |                              |                              | 0.52             |                               |                 |                 | -21   | 0.38             | 576                   | 7.64  | 8.8         |
|                           | 4/4/2012              |                              |                              | 0.353            |                               |                 |                 | -56   | 0.33             | 646                   | 7.68  | 10.3        |
|                           | 7/25/2012             |                              |                              | 0.305            |                               |                 |                 | -150  | 0.31             | 546                   | 7.64  | 12.7        |
|                           | 10/17/2012            |                              |                              | 0.351            |                               |                 |                 | -87   | 0.52             | 535                   | 7.52  | 11.5        |
|                           | 1/15/2013             |                              |                              | 0.517            |                               |                 |                 | -187  | 0.95             | 549                   | 7.65  | 9.1         |
|                           | 4/26/2013             |                              |                              | 0.257            |                               |                 |                 | 99    | 0.52             | 528                   | 7.51  | 9.9         |
|                           | 7/2/2013              |                              |                              | 0.336            |                               |                 |                 | -14   | 0.39             | 552                   | 7.56  | 11.4        |
|                           | 10/24/2013            |                              |                              | 0.65             |                               |                 |                 | -14   | 0.46             | 542                   | 7.95  | 10.3        |
|                           | 1/9/2014              |                              |                              | <0.1             |                               |                 |                 | -9    | 1.19             | 495                   | 7.88  | 8.9         |
|                           | 4/17/2014             |                              |                              | <0.1             |                               |                 |                 | -71   | 0.58             | 501                   | 7.99  | 9.8         |
|                           | 7/17/2014             |                              |                              | <0.1             |                               |                 |                 | -26   | 0.35             | 547                   | 7.86  | 12.0        |
|                           | 10/23/2014            |                              |                              | 1.703            |                               |                 |                 | -166  | 0.40             | 470                   | 7.96  | 10.4        |
|                           | 1/15/2015             |                              |                              | 1.155            |                               |                 |                 | -226  | 0.48             | 512                   | 7.98  | 9.0         |
|                           | 4/28/2015             |                              |                              | 1.308            |                               |                 |                 | -18   | 0.27             | 560                   | 8.29  | 10.3        |
|                           | 7/1/2015              |                              |                              | >2.5             |                               |                 |                 | -117  | 0.40             | 530                   | 7.74  | 11.8        |
|                           | 10/27/2015            |                              |                              | >2.5             |                               |                 |                 | -74   | 0.35             | 513                   | 7.52  | 11.0        |
|                           | 1/14/2016             |                              |                              | 0.447            |                               |                 |                 | -43   | 0.38             | 489                   | 7.50  | 9.1         |
|                           | 4/13/2016             |                              |                              | 0.433            |                               |                 |                 | -59   | 0.56             | 503                   | 7.91  | 9.6         |
|                           | 7/28/2016             |                              |                              | 0.665            |                               |                 |                 | -151  | 0.39             | 507                   | 7.79  | 12.2        |
| 10/27/2016                |                       |                              | 0.544                        |                  |                               |                 | -117            | 0.40  | 507              | 7.53                  | 10.6  |             |
| 1/20/2017                 |                       |                              | 0.563                        |                  |                               |                 | 17              | 0.43  | 522              | 7.70                  | 9.1   |             |
| 4/6/2017 <sup>1</sup>     |                       |                              | NM                           |                  |                               |                 | 18              | 0.49  | 516              | 7.55                  | 10.2  |             |
| 7/14/2017                 |                       |                              | 0.08                         |                  |                               |                 | -146            | 0.32  | 483              | 7.54                  | 11.3  |             |
| 10/18/2017                |                       |                              | 0.07                         |                  |                               |                 | -80             | 0.40  | 584              | 7.61                  | 11.9  |             |
| 3/21/2018                 |                       |                              | 0.00                         |                  |                               |                 | -113            | 0.46  | 447              | 8.03                  | 10.0  |             |
| 6/5/2018                  |                       |                              | 0.10                         |                  |                               |                 | -67             | 1.68  | 243              | 7.79                  | 11.7  |             |
| 8/2/2018                  |                       |                              | 0.17                         |                  |                               |                 | -79             | 1.67  | 488              | 7.63                  | 11.5  |             |
| 10/31/2018                |                       |                              | 0.16                         |                  |                               |                 | -106            | 0.40  | 497              | 7.69                  | 11.3  |             |
| P-117                     | 1/20/2017             |                              |                              | 1.249            |                               |                 |                 | 16    | 0.75             | 748                   | 7.26  | 9.9         |
|                           | 4/6/2017 <sup>1</sup> |                              |                              | NM               |                               |                 |                 | -105  | 0.29             | 742                   | 7.48  | 10.1        |
|                           | 7/14/2017             |                              |                              | 1.29             |                               |                 |                 | -112  | 0.22             | 701                   | 7.29  | 10.4        |
|                           | 10/18/2017            |                              |                              | 1.31             |                               |                 |                 | -101  | 0.27             | 844                   | 7.34  | 11.0        |
|                           | 3/21/2018             |                              |                              | 1.34             |                               |                 |                 | -116  | 0.32             | 684                   | 7.70  | 9.5         |
|                           | 6/5/2018              |                              |                              | 1.18             |                               |                 |                 | -70   | 0.68             | 277                   | 7.48  | 10.4        |
|                           | 8/2/2018              |                              |                              | 1.1              |                               |                 |                 | -104  | 0.47             | 698                   | 7.36  | 10.7        |
|                           | 10/31/2018            |                              |                              | 1.12             |                               |                 |                 | -124  | 0.27             | 549                   | 7.67  | 11.0        |
| P-118                     | 10/18/2017            |                              |                              | 0.17             |                               |                 |                 | -117  | 0.59             | 629                   | 7.71  | 11.4        |
|                           | 3/21/2018             |                              |                              | 0.23             |                               |                 |                 | -101  | 0.29             | 524                   | 7.93  | 9.2         |
|                           | 6/5/2018              |                              |                              | 0.05             |                               |                 |                 | -14   | 0.28             | 205                   | 7.55  | 10.6        |
|                           | 8/2/2018              |                              |                              | 0.27             |                               |                 |                 | -89   | 1.48             | 542                   | 7.44  | 11.4        |
|                           | 10/31/2018            |                              |                              | 0.29             |                               |                 |                 | -109  | 0.27             | 549                   | 7.67  | 11.0        |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP** | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|-------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |       |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |       |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50   | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV    | mg/l             | uS/cm                 | Units | °C          |
| MW-3A                 | 12/5/2002       |                              |                              |                  | 20                            |                 |                 | -312  | 0.03             | 589                   | 7.30  |             |
|                       | 4/22/2003       |                              |                              |                  | 26                            |                 |                 | 3     | 0.66             | 464                   | 7.52  | 10.22       |
|                       | 10/22/2003      | <0.058                       |                              |                  | 14                            |                 |                 | -98   | 0.87             | 552                   | 7.29  | 10.06       |
|                       | 1/31/2007       |                              |                              |                  |                               |                 |                 | 163   | 0.79             | 556                   | 7.13  | 6.1         |
|                       | 5/1/2007        |                              |                              |                  |                               |                 |                 | 34    | 1.96             | 558                   | 6.95  | 10.2        |
|                       | 8/8/2007        |                              |                              |                  |                               |                 |                 | -144  | 0.74             | 549                   | 7.32  | 12.4        |
|                       | 10/19/2007      |                              |                              |                  |                               |                 |                 | 201   | 1.07             | 551                   | 6.51  | 10.5        |
|                       | 5/6/2008        |                              |                              |                  |                               |                 |                 | 13    | 0.33             | 630                   | 7.55  | 9.8         |
|                       | 10/1/2008       |                              |                              |                  |                               |                 |                 | 297   | 7.35             | 591                   | 6.89  | 9.8         |
|                       | 10/28/2009      | <0.20                        | <0.08                        | 0.51             | 14.67                         | <0.2            | 0.0073          | -236  | 0.55             | 505                   | 7.45  | 9.5         |
|                       | 5/24/2010       | <0.20                        | 0.04                         | 0.49             | 22.35                         | 0.21            | 0.0074          | -227  | 0.55             | 561                   | 7.13  | 12.5        |
|                       | 10/5/2010       | 0.05                         |                              |                  | 15.33                         |                 | 0.0397          | -204  | 1.51             | 600                   | 8.20  | 11.3        |
|                       | 1/24/2011       |                              |                              | 0.19             |                               |                 |                 | -77   | 0.74             | 535                   | 7.30  | 7.2         |
|                       | 4/13/2011       |                              |                              | 0.44             |                               |                 |                 | -240  | 1.14             | 589                   | 7.42  | 10.8        |
|                       | 7/12/2011       |                              |                              | 0.19             |                               |                 |                 | -213  | 1.86             | 512                   | 7.15  | 11.3        |
|                       | 10/19/2011      |                              |                              | 0.16             |                               |                 |                 | -175  | 1.25             | 511                   | 7.76  | 9.7         |
|                       | 1/23/2012       |                              |                              | <0.1             |                               |                 |                 | -34   | 0.70             | 606                   | 7.09  | 8.0         |
|                       | 4/4/2012        |                              |                              | 0.217            |                               |                 |                 | -115  | 0.47             | 678                   | 7.37  | 9.4         |
|                       | 7/25/2012       |                              |                              | 0.101            |                               |                 |                 | -265  | 0.67             | 584                   | 7.50  | 13.5        |
|                       | 10/16/2012      |                              |                              | <0.1             |                               |                 |                 | -175  | 1.33             | 564                   | 7.01  | 10.7        |
|                       | 1/15/2013       |                              |                              | 0.144            |                               |                 |                 | -267  | 2.03             | 579                   | 7.49  | 7.8         |
|                       | 4/26/2013       |                              |                              | 0.131            |                               |                 |                 | -171  | 1.38             | 560                   | 7.77  | 10.2        |
|                       | 7/2/2013        |                              |                              | 0.127            |                               |                 |                 | -126  | 1.27             | 582                   | 7.26  | 10.9        |
|                       | 10/24/2013      |                              |                              | 0.124            |                               |                 |                 | -140  | 1.27             | 582                   | 7.07  | 9.3         |
|                       | 1/9/2014        |                              |                              | <0.1             |                               |                 |                 | 10    | 0.81             | 524                   | 7.46  | 7.5         |
|                       | 4/17/2014       |                              |                              | 0.126            |                               |                 |                 | -114  | 1.80             | 551                   | 7.73  | 9.2         |
|                       | 7/17/2014       |                              |                              | <0.1             |                               |                 |                 | -8    | 0.67             | 577                   | 7.66  | 10.4        |
|                       | 10/23/2014      |                              |                              | 0.938            |                               |                 |                 | -174  | 1.06             | 498                   | 7.37  | 9.6         |
|                       | 1/15/2015       |                              |                              | 0.188            |                               |                 |                 | -238  | 1.07             | 541                   | 7.84  | 7.7         |
|                       | 4/28/2015       |                              |                              | <0.1             |                               |                 |                 | -30   | 0.46             | 586                   | 8.15  | 9.8         |
|                       | 7/1/2015        |                              |                              | <0.1             |                               |                 |                 | -128  | 1.28             | 548                   | 7.61  | 10.0        |
|                       | 10/27/2015      |                              |                              | 0.166            |                               |                 |                 | -138  | 0.68             | 536                   | 7.21  | 11.0        |
|                       | 1/14/2016       |                              |                              | <0.1             |                               |                 |                 | -43   | 1.03             | 514                   | 7.22  | 8.1         |
| 4/13/2016             |                 |                              | 0.149                        |                  |                               |                 | -149            | 0.61  | 530              | 7.70                  | 8.4   |             |
| 7/28/2016             |                 |                              | 0.154                        |                  |                               |                 | -267            | 0.88  | 531              | 7.60                  | 12.2  |             |
| 10/27/2016            |                 |                              | 0.159                        |                  |                               |                 | -171            | 0.62  | 533              | 7.35                  | 9.5   |             |
| 1/20/2017             |                 |                              | 0.441                        |                  |                               |                 | -10             | 0.55  | 544              | 7.39                  | 8.6   |             |
| 4/6/2017 <sup>1</sup> |                 |                              | NM                           |                  |                               |                 | 5               | 0.51  | 542              | 7.34                  | 9.6   |             |
| 7/14/2017             |                 |                              | 0.04                         |                  |                               |                 | -116            | 0.52  | 505              | 7.24                  | 10.4  |             |
| 10/18/2017            |                 |                              | 0.10                         |                  |                               |                 | -130            | 0.74  | 600              | 7.48                  | 11.9  |             |
| 3/21/2018             |                 |                              | 0.03                         |                  |                               |                 | -105            | 1.07  | 488              | 7.86                  | 8.8   |             |
| 6/5/2018              |                 |                              | 0.10                         |                  |                               |                 | -56             | 1.48  | 345              | 7.48                  | 11.3  |             |
| 8/2/2018              |                 |                              | 0.04                         |                  |                               |                 | -81             | 0.94  | 531              | 7.34                  | 10.7  |             |
| 10/31/2018            |                 |                              | 0.02                         |                  |                               |                 | -114            | 0.37  | 528              | 7.58                  | 9.9   |             |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP** | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|-------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |       |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |       |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50   | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV    | mg/l             | uS/cm                 | Units | °C          |
| P-107D                | 12/4/2002       |                              |                              |                  | 19                            |                 |                 |       |                  | 594                   | 7.64  | 7.90        |
|                       | 4/21/2003       |                              |                              |                  | 27                            |                 |                 |       |                  | 388                   | 7.28  | 10.50       |
|                       | 10/21/2003      | <0.058                       |                              |                  | 19                            |                 |                 | 51.40 | 1.25             | 528                   | 7.34  | 10.05       |
|                       | 5/1/2007        |                              |                              |                  |                               |                 |                 | 113   | 3.20             | 583                   | 6.96  | 12.4        |
|                       | 10/19/2007      |                              |                              |                  |                               |                 |                 | 261   | 1.10             | 581                   | 6.56  | 10.0        |
|                       | 5/5/2008        |                              |                              |                  |                               |                 |                 | 61    | 1.07             | 653                   | 7.55  | 10.6        |
|                       | 10/1/2008       |                              |                              |                  |                               |                 |                 | 354   | 4.48             | 607                   | 6.89  | 10.4        |
|                       | 4/7/2009        |                              |                              |                  |                               |                 |                 | -101  | 2.01             | 569                   | 7.53  | 9.1         |
|                       | 10/28/2009      | <0.20                        | <0.08                        | <0.1             | 23.84                         | <0.2            | 0.073           | -188  | 0.45             | 528                   | 7.48  | 10.1        |
|                       | 2/25/2010       | 0.51                         | <0.08                        | <0.1             | 23.57                         | <0.2            | 0.0613          | -191  | 0.74             | 605                   | 7.50  | 8.5         |
|                       | 5/24/2010       | <0.20                        | <0.08                        | 0.19             | 31.82                         | <0.2            | 0.163           | -147  | 3.12             | 618                   | 7.15  | 11.2        |
|                       | 10/5/2010       | 0.06                         |                              | 0.03             | 21.24                         |                 | 0.0737          | -132  | 0.93             | 619                   | 8.09  | 10.6        |
|                       | 1/24/2011       |                              |                              | 0.3              |                               |                 |                 | -59   | 0.79             | 564                   | 6.62  | 9.0         |
|                       | 4/12/2011       |                              |                              | 0.11             |                               |                 |                 | -222  | 0.64             | 649                   | 7.33  | 9.9         |
|                       | 7/11/2011       |                              |                              | 0.12             |                               |                 |                 | -211  | 1.32             | 2                     | 8.16  | 11.7        |
|                       | 10/18/2011      |                              |                              | 0.11             |                               |                 |                 | -107  | 2.61             | 535                   | 7.69  | 10.1        |
|                       | 1/23/2012       |                              |                              | 0.27             |                               |                 |                 | -45   | 0.69             | 634                   | 7.45  | 8.9         |
|                       | 4/4/2012        |                              |                              | 0.235            |                               |                 |                 | -105  | 0.73             | 740                   | 7.49  | 9.9         |
|                       | 7/25/2012       |                              |                              | <0.1             |                               |                 |                 | -207  | 1.71             | 627                   | 7.42  | 12.6        |
|                       | 10/17/2012      |                              |                              | 0.104            |                               |                 |                 | -168  | 2.13             | 589                   | 7.53  | 10.9        |
|                       | 1/16/2013       |                              |                              | <0.1             |                               |                 |                 | -214  | 2.30             | 609                   | 7.46  | 8.8         |
|                       | 4/26/2013       |                              |                              | 0.276            |                               |                 |                 | -146  | 2.18             | 585                   | 7.84  | 10.3        |
|                       | 7/2/2013        |                              |                              | 0.123            |                               |                 |                 | -75   | 1.92             | 606                   | 7.15  | 11.6        |
|                       | 10/24/2013      |                              |                              | 0.205            |                               |                 |                 | -60   | 2.51             | 610                   | 6.89  | 9.8         |
|                       | 1/9/2014        |                              |                              | <0.1             |                               |                 |                 | 55    | 2.60             | 561                   | 7.24  | 8.0         |
|                       | 4/16/2014       |                              |                              | 0.236            |                               |                 |                 | -68   | 1.33             | 603                   | 7.76  | 9.4         |
|                       | 7/17/2014       |                              |                              | <0.1             |                               |                 |                 | 61    | 0.46             | 610                   | 7.37  | 10.8        |
|                       | 10/23/2014      |                              |                              | 0.217            |                               |                 |                 | -127  | 0.98             | 536                   | 8.23  | 9.9         |
|                       | 1/15/2015       |                              |                              | <0.1             |                               |                 |                 | -207  | 0.81             | 571                   | 7.84  | 9.0         |
|                       | 4/28/2015       |                              |                              | <0.1             |                               |                 |                 | -116  | 1.84             | 639                   | 7.23  | 10.2        |
|                       | 7/1/2015        |                              |                              | 0.132            |                               |                 |                 | -76   | 1.71             | 581                   | 7.29  | 10.9        |
|                       | 10/27/2015      |                              |                              | 0.128            |                               |                 |                 | -23   | 0.84             | 565                   | 8.03  | 10.5        |
|                       | 1/14/2016       |                              |                              | <0.1             |                               |                 |                 | -25   | 0.61             | 537                   | 7.03  | 8.6         |
| 4/13/2016             |                 |                              | 0.158                        |                  |                               |                 | -64             | 0.86  | 624              | 9.12                  | 8.9   |             |
| 7/28/2016             |                 |                              | 0.157                        |                  |                               |                 | -150            | 5.32  | 581              | 7.31                  | 17.7  |             |
| 10/27/2016            |                 |                              | 0.165                        |                  |                               |                 | -124            | 0.66  | 557              | 7.16                  | 9.9   |             |
| 1/20/2017             |                 |                              | 0.451                        |                  |                               |                 | 9               | 1.84  | 562              | 7.03                  | 9.1   |             |
| 4/6/2017 <sup>1</sup> |                 |                              | NM                           |                  |                               |                 | 42              | 2.51  | 593              | 7.15                  | 9.5   |             |
| 7/14/2017             |                 |                              | 0.08                         |                  |                               |                 | -139            | 0.80  | 539              | 7.26                  | 10.3  |             |
| 10/18/2017            |                 |                              | 0.10                         |                  |                               |                 | -61             | 2.35  | 596              | 7.33                  | 10.8  |             |
| 3/21/2018             |                 |                              | 0.10                         |                  |                               |                 | -66             | 3.88  | 530              | 7.82                  | 9.3   |             |
| 6/4/2018              |                 |                              | NM                           |                  |                               |                 | -32             | 0.44  | 378              | 7.56                  | 10.5  |             |
| 8/2/2018              |                 |                              | 0.09                         |                  |                               |                 | 8               | 5.81  | 544              | 7.32                  | 11.0  |             |
| 10/31/2018            |                 |                              | 0.08                         |                  |                               |                 | -63             | 0.47  | 557              | 7.42                  | 10.2  |             |

**Table 3. Groundwater Natural Attenuation Parameters**  
**FF/NN Landfill, Ripon, WI**

| Well ID               | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP**  | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|-----------------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|--------|------------------|-----------------------|-------|-------------|
|                       |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |        |                  |                       |       |             |
|                       | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |        |                  |                       |       |             |
|                       | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50    | >0.5             |                       |       |             |
|                       | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV     | mg/l             | uS/cm                 | Units | °C          |
| P-113A                | 12/3/2002       |                              |                              |                  | 12                            |                 |                 | 111.80 | 20.00            | 579                   | 7.26  | 10.39       |
|                       | 4/23/2003       |                              |                              |                  | 15                            |                 |                 | 42.00  | 2.98             | 465                   | 7.50  | 10.37       |
|                       | 10/22/2003      | 0.3                          |                              |                  | 10                            |                 |                 | -62.60 | 2.23             | 576                   | 7.30  | 10.17       |
|                       | 8/8/2007        |                              |                              |                  |                               |                 |                 | -140   | 0.57             | 544                   | 7.37  | 13.3        |
|                       | 5/6/2008        |                              |                              |                  |                               |                 |                 | -88    | 0.55             | 620                   | 7.22  | 10.4        |
|                       | 4/6/2009        |                              |                              |                  |                               |                 |                 | -137   | 0.74             | 542                   | 7.42  | 8.4         |
|                       | 10/29/2009      | 0.35                         | 0.16                         | >2.5             | 31.67                         | 0.37            | 0.27            | -240   | 0.87             | 498                   | 7.41  | 10.7        |
|                       | 5/25/2010       | 0.26                         | 0.21                         | >2.5             | 44.79                         | 0.39            | 0.169           | -183   | 0.96             | 554                   | 7.16  | 15.6        |
|                       | 10/6/2010       | 0.43                         |                              |                  | 44.48                         |                 | 0.239           | -196   | 0.89             | 591                   | 7.98  | 12.8        |
|                       | 1/25/2011       |                              |                              | 1.09             |                               |                 |                 | -78    | 1.98             | 533                   | 7.58  | 5.9         |
|                       | 4/13/2011       |                              |                              | 0.68             |                               |                 |                 | -202   | 1.13             | 578                   | 7.46  | 12.8        |
|                       | 7/12/2011       |                              |                              | 1.44             |                               |                 |                 | -195   | 1.47             | 509                   | 7.33  | 14.3        |
|                       | 10/19/2011      |                              |                              | 0.94             |                               |                 |                 | -141   | 0.92             | 509                   | 7.71  | 10.6        |
|                       | 1/23/2012       |                              |                              | 0.77             |                               |                 |                 | -76    | 1.20             | 604                   | 7.67  | 7.3         |
|                       | 4/4/2012        |                              |                              | 1.219            |                               |                 |                 | -125   | 0.64             | 673                   | 7.40  | 9.9         |
|                       | 7/25/2012       |                              |                              | 0.893            |                               |                 |                 | -257   | 0.83             | 585                   | 7.46  | 15.4        |
|                       | 10/16/2012      |                              |                              | 0.196            |                               |                 |                 | -73    | 3.31             | 559                   | 7.36  | 13.1        |
|                       | 1/15/2013       |                              |                              | 0.473            |                               |                 |                 | -248   | 1.67             | 574                   | 7.56  | 7.0         |
|                       | 4/26/2013       |                              |                              | 0.814            |                               |                 |                 | -120   | 1.64             | 555                   | 7.66  | 11.8        |
|                       | 7/2/2013        |                              |                              | 0.516            |                               |                 |                 | -127   | 1.04             | 578                   | 7.45  | 13.6        |
|                       | 10/24/2013      |                              |                              | 0.654            |                               |                 |                 | -43    | 0.91             | 567                   | 7.66  | 11.6        |
|                       | 1/9/2014        |                              |                              | 0.582            |                               |                 |                 | 0      | 1.72             | 521                   | 7.49  | 6.4         |
|                       | 4/14/2014       |                              |                              | <0.1             |                               |                 |                 | -139   | 1.55             | 544                   | 7.81  | 8.9         |
|                       | 7/17/2014       |                              |                              | 0.831            |                               |                 |                 | -10    | 1.15             | 577                   | 7.71  | 17.5        |
|                       | 10/23/2014      |                              |                              | 0.707            |                               |                 |                 | -164   | 0.80             | 498                   | 7.79  | 10.9        |
|                       | 1/15/2015       |                              |                              | 1                |                               |                 |                 | -201   | 1.81             | 548                   | 7.66  | 7.6         |
|                       | 4/28/2015       |                              |                              | 0.204            |                               |                 |                 | -18    | 0.63             | 580                   | 8.14  | 10.9        |
|                       | 7/1/2015        |                              |                              | 1.795            |                               |                 |                 | -133   | 1.06             | 547                   | 7.57  | 12.9        |
|                       | 10/27/2015      |                              |                              | 0.583            |                               |                 |                 | -116   | 0.94             | 526                   | 8.67  | 11.3        |
|                       | 1/14/2016       |                              |                              | 0.316            |                               |                 |                 | -73    | 0.96             | 506                   | 7.45  | 6.8         |
|                       | 4/13/2016       |                              |                              | 0.815            |                               |                 |                 | -158   | 1.07             | 525                   | 7.82  | 8.7         |
|                       | 7/28/2016       |                              |                              | 0.831            |                               |                 |                 | -260   | 0.94             | 529                   | 7.70  | 13.3        |
| 10/27/2016            |                 |                              | 1.036                        |                  |                               |                 | -204            | 0.80   | 531              | 7.42                  | 10.5  |             |
| 1/20/2017             |                 |                              | 1.253                        |                  |                               |                 | -21             | 0.67   | 542              | 7.48                  | 8.7   |             |
| 4/6/2017 <sup>1</sup> |                 |                              | NM                           |                  |                               |                 | 7               | 0.82   | 539              | 7.45                  | 10.0  |             |
| 7/14/2017             |                 |                              | 0.47                         |                  |                               |                 | -206            | 0.68   | 500              | 7.40                  | 13.3  |             |
| 10/18/2017            |                 |                              | 0.56                         |                  |                               |                 | -118            | 0.49   | 595              | 7.42                  | 13.3  |             |
| 3/21/2018             |                 |                              | 0.45                         |                  |                               |                 | -98             | 2.28   | 486              | 7.93                  | 7.9   |             |
| 6/5/2018              |                 |                              | 0.08                         |                  |                               |                 | -14             | 0.92   | 232              | 7.57                  | 12.5  |             |
| 8/2/2018              |                 |                              | 0.14                         |                  |                               |                 | -91             | 1.76   | 504              | 7.48                  | 12.6  |             |
| 10/31/2018            |                 |                              | 0.13                         |                  |                               |                 | -111            | 1.80   | 513              | 7.82                  | 14.6  |             |

**Table 3. Groundwater Natural Attenuation Parameters  
FF/NN Landfill, Ripon, WI**

| Well ID       | Compound        | Nitrate                      | Nitrite                      | Iron 2           | Sulfate                       | Sulfide         | Methane         | ORP** | Dissolved Oxygen | Specific Conductivity | pH    | Temperature |
|---------------|-----------------|------------------------------|------------------------------|------------------|-------------------------------|-----------------|-----------------|-------|------------------|-----------------------|-------|-------------|
|               |                 | NO <sub>3</sub> <sup>-</sup> | NO <sub>2</sub> <sup>-</sup> | Fe <sup>2+</sup> | SO <sub>4</sub> <sup>2-</sup> | S <sup>2-</sup> | CH <sub>4</sub> |       |                  |                       |       |             |
|               | Detection Range | 0.2 to 1.5*                  | 0.08 to 0.8*                 | 0.1 to 2.5*      | 8 to 100*                     | 0.2 to 3*       |                 |       |                  |                       |       |             |
|               | Target          | >                            | <                            | <1               | >20                           | <1              | <0.5            | >50   | >0.5             |                       |       |             |
|               | Units           | mg/l                         | mg/l                         | mg/l             | mg/l                          | mg/l            | mg/l            | mV    | mg/l             | uS/cm                 | Units | °C          |
| Perry/Watkins | 10/29/2009      | <0.20                        | <0.08                        | >2.5             | 15.18                         | <0.2            | 0.0098          | -167  | 3.00             | 489                   | 7.55  | 10.8        |
|               | 2/26/2010       | <0.20                        |                              |                  | 16.34                         | 0.42            | 0.0067          | -159  | 1.57             | 549                   | 7.70  | 8.6         |
|               | 5/26/2010       | <0.20                        | <0.08                        | 1.7              | 24.6                          | <0.2            | 0.0082          | -135  | 0.91             | 552                   | 7.35  | 16.7        |
|               | 10/6/2010       | 0.1                          |                              |                  | 20.12                         |                 | 0.0081          | -183  | 1.38             | 582                   | 8.18  | 14.4        |
|               | 1/28/2011       |                              |                              |                  |                               |                 |                 |       | 2.42             |                       | 6.93  | 10.1        |
|               | 4/18/2011       |                              |                              |                  |                               |                 |                 |       |                  | 410                   | 7.17  | 10.1        |
|               | 4/3/2012        |                              |                              |                  |                               |                 |                 |       |                  | 519                   | 8.00  | 11.2        |
|               | 4/26/2013       |                              |                              |                  |                               |                 |                 |       |                  | 600                   | 7.47  | 11.4        |
|               | 4/15/2014       |                              |                              |                  |                               |                 |                 |       |                  | 578                   | 7.59  | 10.8        |
|               | 4/15/2015       |                              |                              |                  |                               |                 |                 |       |                  | 595                   | 7.18  | 11.9        |
|               | 1/14/2016       |                              |                              |                  |                               |                 |                 |       |                  | 526                   | 8.22  | 9.1         |
|               | 4/12/2016       |                              |                              |                  |                               |                 |                 |       |                  | 625                   | 7.85  | 14.0        |
|               | 7/28/2016       |                              |                              |                  |                               |                 |                 |       |                  | 538                   | 8.07  | 13.5        |
|               | 10/27/2016      |                              |                              |                  |                               |                 |                 |       |                  | 524                   | 6.74  | 10.6        |
| 1/20/2017     |                 |                              |                              |                  |                               |                 |                 |       | 598              | 7.04                  | 8.8   |             |
| 4/5/2017      |                 |                              |                              |                  |                               |                 |                 |       | 446              | 7.72                  | 10.2  |             |
| Gaastra       | 10/29/2009      | <0.20                        | <0.08                        | 0.98             | 16.04                         | <0.2            | 0.01            | -163  | 0.27             | 490                   | 7.56  | 10.3        |
|               | 2/26/2010       | <0.20                        |                              |                  | 19.35                         | <0.2            | 0.0086          | -146  | 1.22             | 584                   | 7.45  | 10.7        |
|               | 5/26/2010       | <0.20                        | <0.08                        | 2.44             | 27.28                         | 0.22            | 0.0121          | -156  | 0.52             | 553                   | 7.28  | 17.3        |
|               | 10/6/2010       | 0.11                         |                              |                  | 22.65                         |                 | 0.0103          | -201  | 1.14             | 597                   | 8.22  | 15.0        |
|               | 1/26/2011       |                              |                              | 2.34             |                               |                 |                 | 33    | 1.24             | 552                   | 7.37  | 7.9         |
|               | 4/14/2011       |                              |                              |                  |                               |                 |                 |       |                  | 620                   | 6.88  | 13.8        |
|               | 4/3/2012        |                              |                              |                  |                               |                 |                 |       |                  | 538                   | 7.80  | 11.3        |
|               | 4/26/2013       |                              |                              |                  |                               |                 |                 |       |                  | 585                   | 7.54  | 11.4        |
|               | 4/15/2014       |                              |                              |                  |                               |                 |                 |       |                  | 528                   | 7.69  | 13          |
|               | 7/17/2014       |                              |                              |                  |                               |                 |                 |       |                  | 519                   | 8.41  | 14.3        |
|               | 1/14/2016       |                              |                              |                  |                               |                 |                 |       |                  | 667                   | 7.94  | 8.6         |
|               | 4/12/2016       |                              |                              |                  |                               |                 |                 |       |                  | 588                   | 8.05  | 11          |
|               | 7/28/2016       |                              |                              |                  |                               |                 |                 |       |                  | 550                   | 8.19  | 13.7        |
|               | 10/27/2016      |                              |                              |                  |                               |                 |                 |       |                  | 593                   | 6.86  | 10.3        |
| 1/20/2017     |                 |                              |                              |                  |                               |                 |                 |       | 564              | 6.81                  | 8     |             |
| 4/5/2017      |                 |                              |                              |                  |                               |                 |                 |       | 547              | 7.63                  | 9.3   |             |
| Rohde         | 11/4/2009       | <0.20                        | <0.08                        | 0.36             | 19.88                         | <0.2            | 0.0011          | -76   | 0.99             | 500                   | 7.25  | 10.0        |
|               | 2/25/2010       | <0.20                        |                              |                  | 21.03                         | <0.2            | <0.0028         | 0     | 2.61             | 606                   | 7.61  | 9.4         |
|               | 5/26/2010       | <0.20                        | <0.08                        | 0.25             | 25.64                         | <0.2            | <0.0028         | 7     | 1.19             | 635                   | 6.42  | 18.53       |
|               | 10/6/2010       | 0.08                         |                              |                  | 26.48                         |                 | ND              | -117  | 1.91             | 612                   | 8.08  | 13.7        |
|               | 1/26/2011       |                              |                              | 0                |                               |                 |                 | 116   | 3.83             | 571                   | 7.56  | 7.36        |
|               | 4/13/2011       |                              |                              |                  |                               |                 |                 |       |                  | 550                   | 6.85  | 7.5         |
|               | 4/3/2012        |                              |                              |                  |                               |                 |                 |       |                  | 528                   | 7.5   | 11.5        |
|               | 4/26/2013       |                              |                              |                  |                               |                 |                 |       |                  | 581                   | 7.63  | 12.7        |
|               | 4/15/2014       |                              |                              |                  |                               |                 |                 |       |                  | 546                   | 7.80  | 10.7        |
|               | 4/15/2015       |                              |                              |                  |                               |                 |                 |       |                  | 565                   | 7.38  | 12.8        |
|               | 4/12/2016       |                              |                              |                  |                               |                 |                 |       |                  | 632                   | 7.98  | 11.5        |
|               | 4/5/2017        |                              |                              |                  |                               |                 |                 |       |                  | 532                   | 7.46  | 9.5         |
| 6/4/2018      |                 |                              |                              |                  |                               |                 |                 |       | 590              | 7.81                  | 15.3  |             |

□ indicates that sample was not analyzed for that parameter

mg/L: milligrams per liter

uS/cm: microsiemens per centimeter

mV: millivolts

ORP: Oxidation-Reduction Potential

°C: Degrees Celsius

\* detection range only applies to samples collected on or after 10/2009

\*\* ORP is believed to be incorrect from 2/2007 to 10/2008 due to equipment malfunction

1: April 2017 equipment malfunction, in-field iron test not able to be performed.

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time      | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40           | Comments<br>target percentages    |
|--------------------------|-----------|------------|---------------------------------|---------------------------------|--------------------------|------------------------|-----------------------------------|
| LC-1                     | 11:31     | 3/20/2006  | 61.5                            | 37.7                            | 0.7                      | 0.1                    | pre-startup                       |
|                          | 10:02     | 3/22/2006  | 43.6                            | 26.3                            | 6.4                      | 23.7                   |                                   |
|                          | 15:32     | 3/22/2006  | 56.0                            | 33.3                            | 3.8                      | 6.9                    |                                   |
|                          | 8:29      | 3/23/2006  | 50.1                            | 29.5                            | 4.3                      | 16.1                   |                                   |
|                          | 16:35     | 3/23/2006  | 44.2                            | 24.6                            | 4.9                      | 26.3                   |                                   |
|                          | 15:40     | 3/24/2006  | 18.8                            | 11.8                            | 15.9                     | 53.5                   |                                   |
|                          | 14:25     | 3/28/2006  | 7.0                             | 8.7                             | 10.8                     | 73.5                   |                                   |
|                          | 18:58     | 3/30/2006  | 15.8                            | 21.0                            | 6.9                      | 56.3                   |                                   |
|                          | 13:50     | 4/5/2006   | 11.2                            | 17.1                            | 9.8                      | 61.9                   |                                   |
|                          | 12:50     | 4/6/2006   | 6.2                             | 9.0                             | 13.9                     | 70.9                   |                                   |
|                          | 13:10     | 4/11/2006  | 9.6                             | 16.7                            | 8.6                      | 65.1                   |                                   |
|                          | 10:45     | 4/14/2006  | 11.2                            | 17.9                            | 7.2                      | 63.7                   |                                   |
|                          | 15:26     | 4/14/2006  | 12.2                            | 24.1                            | 4.0                      | 59.7                   |                                   |
|                          | 9:58      | 4/17/2006  | 16.7                            | 30.2                            | 5.3                      | 47.8                   |                                   |
|                          | 19:12     | 4/27/2006  | 7.8                             | 17.5                            | 2.9                      | 71.8                   |                                   |
|                          | 13:12     | 5/4/2006   | 6.1                             | 18.7                            | 2.0                      | 73.2                   |                                   |
|                          | 10:17     | 5/22/2006  | 5.8                             | 21.6                            | 1.3                      | 71.3                   |                                   |
|                          | 12:20     | 6/2/2006   | 18.0                            | 22.7                            | 0.6                      | 58.7                   |                                   |
|                          | 8:20      | 6/9/2006   | 1.1                             | 0.2                             | 20.4                     | 78.3                   |                                   |
|                          | 12:34     | 6/14/2006  | 3.9                             | 0.6                             | 20.2                     | 75.3                   |                                   |
|                          | 10:41     | 6/22/2006  | 3.3                             | 7.6                             | 13.8                     | 75.3                   |                                   |
|                          | 12:06     | 7/5/2006   | 3.7                             | 12.5                            | 10.1                     | 73.7                   |                                   |
|                          | 11:31     | 7/10/2006  | 3.5                             | 10.9                            | 11.8                     | 73.8                   |                                   |
|                          | 10:49     | 7/17/2006  | 3.9                             | 10.7                            | 11.8                     | 73.6                   |                                   |
|                          | 14:00     | 7/28/2006  | 5.0                             | 12.0                            | 10.2                     | 72.8                   |                                   |
|                          | 9:46      | 8/8/2006   | 2.7                             | 9.5                             | 12.9                     | 74.9                   |                                   |
|                          | 7:20      | 8/16/2006  | 2.4                             | 6.6                             | 14.5                     | 76.5                   |                                   |
|                          | 7:12      | 8/21/2006  | 0.1                             | 0.2                             | 15.1                     | 84.6                   |                                   |
|                          | 14:07     | 8/28/2006  | 2.1                             | 12.5                            | 12.4                     | 73.0                   |                                   |
|                          | 11:21     | 9/13/2006  | 0.6                             | 0.6                             | 13.3                     | 85.5                   |                                   |
|                          | 11:19     | 9/25/2006  | 0.0                             | 0.0                             | 16.2                     | 83.8                   |                                   |
|                          | 8:18      | 10/10/2006 | 2.7                             | 8.4                             | 14.8                     | 74.1                   |                                   |
|                          | 8:19      | 10/23/2006 | 2.0                             | 1.5                             | 12.8                     | 83.7                   |                                   |
|                          | 14:00     | 11/2/2006  | 3.8                             | 21.6                            | 1.7                      | 72.9                   |                                   |
|                          | 14:54     | 11/14/2006 | 7.5                             | 23.0                            | 0.7                      | 68.8                   |                                   |
|                          | 11:26     | 11/27/2006 | 5.5                             | 23.0                            | 0.4                      | 71.1                   |                                   |
|                          | 12:57     | 12/26/2006 | 5.0                             | 23.6                            | 0.3                      | 71.1                   |                                   |
|                          | 13:57     | 1/27/2007  | 9.5                             | 22.8                            | 0.3                      | 67.4                   |                                   |
|                          | 11:20     | 2/24/2007  | 6.5                             | 23.0                            | 0.8                      | 69.7                   |                                   |
|                          | 11:20     | 3/1/2007   | 17.5                            | 23.2                            | 1.8                      | 57.5                   |                                   |
|                          | 12:28     | 3/1/2007   | 16.5                            | 23.2                            | 1.8                      | 58.5                   |                                   |
|                          | 14:30     | 3/1/2007   | 15.5                            | 22.8                            | 1.6                      | 60.1                   |                                   |
|                          | 8:10      | 3/5/2007   | sampling port clogged with ice  |                                 |                          |                        | adjust blower time, 12 on, 12 off |
| 8:10                     | 3/24/2007 | 15.5       | 23.0                            | 1.8                             | 59.7                     |                        |                                   |
| 16:55                    | 3/24/2007 | 14.0       | 22.2                            | 2.2                             | 61.6                     |                        |                                   |
| 17:10                    | 3/26/2007 | 11.0       | 21.6                            | 2.2                             | 65.2                     |                        |                                   |
| 7:28                     | 3/27/2007 | 10.0       | 22.4                            | 1.7                             | 65.9                     |                        |                                   |
| 16:27                    | 3/28/2007 | 11.0       | 22.8                            | 1.5                             | 64.7                     |                        |                                   |
| 8:04                     | 3/29/2007 | 11.5       | 23.0                            | 1.5                             | 64.0                     |                        |                                   |
| 17:00                    | 3/29/2007 | 11.0       | 22.8                            | 1.5                             | 64.7                     |                        |                                   |
| 8:04                     | 3/30/2007 | 13.0       | 24.0                            | 1.0                             | 62.0                     | blower off             |                                   |
| 11:34                    | 5/30/2007 | 43.0       | 28.0                            | 2.0                             | 27.0                     | restart and run 24 hrs |                                   |
| 13:35                    | 5/30/2007 | 40.0       | 26.2                            | 2.6                             | 31.2                     |                        |                                   |
| 10:30                    | 5/31/2007 | 0.1        | 0.0                             | 20.7                            | 79.2                     | reduce to 12 on 12 off |                                   |
| 16:32                    | 6/1/2007  | 0.1        | 0.0                             | 20.7                            | 79.2                     |                        |                                   |
| 15:30                    | 6/2/2007  | 20.0       | 22.8                            | 1.7                             | 55.5                     |                        |                                   |
| 16:09                    | 6/3/2007  | 18.0       | 22.2                            | 1.9                             | 57.9                     |                        |                                   |
| 14:12                    | 6/4/2007  | 16.5       | 21.8                            | 2.2                             | 59.5                     | reduce to 6 on 18 off  |                                   |
| 15:10                    | 6/7/2007  | 17.0       | 21.6                            | 2.3                             | 59.1                     |                        |                                   |
| 17:16                    | 6/12/2007 | 10.5       | 21.0                            | 2.1                             | 66.4                     |                        |                                   |
| 14:49                    | 6/14/2007 | 11.0       | 20.8                            | 2.2                             | 66.0                     |                        |                                   |
| 14:40                    | 6/19/2007 | 10.5       | 21.0                            | 2.2                             | 66.3                     |                        |                                   |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time      | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40            | Comments<br>target percentages |
|--------------------------|-----------|------------|---------------------------------|---------------------------------|--------------------------|-------------------------|--------------------------------|
| LC-1                     | 14:40     | 6/21/2007  | 11.0                            | 21.2                            | 2.0                      | 65.8                    |                                |
|                          | 14:30     | 7/11/2007  | 11.5                            | 21.4                            | 2.0                      | 65.1                    |                                |
|                          | 14:00     | 7/23/2007  | 12.0                            | 21.8                            | 2.0                      | 64.2                    |                                |
|                          | 14:07     | 8/8/2007   | 12.0                            | 21.6                            | 2.2                      | 64.2                    |                                |
|                          | 13:30     | 8/13/2007  | 13.5                            | 22.8                            | 2.2                      | 61.5                    |                                |
|                          | 14:10     | 8/20/2007  | 10.0                            | 21.4                            | 2.8                      | 65.8                    |                                |
|                          | 14:25     | 8/28/2007  | 8.5                             | 20.8                            | 2.7                      | 68.0                    |                                |
|                          | 15:55     | 8/31/2007  | 5.5                             | 18.2                            | 4.2                      | 72.1                    |                                |
|                          | 14:55     | 9/4/2007   | 4.5                             | 17.2                            | 4.1                      | 74.3                    |                                |
|                          | 13:25     | 9/17/2007  | 3.2                             | 15.4                            | 5.1                      | 76.4                    |                                |
|                          | 9:50      | 9/29/2007  | 3.0                             | 15.2                            | 5.6                      | 76.2                    |                                |
|                          | 8:45      | 10/4/2007  | 3.1                             | 15.2                            | 5.6                      | 76.1                    |                                |
|                          | 9:45      | 10/7/2007  | 3.7                             | 15.6                            | 4.8                      | 75.9                    |                                |
|                          | 9:50      | 10/18/2007 | 6.0                             | 17.0                            | 3.6                      | 73.4                    |                                |
|                          | 9:00      | 10/25/2007 | 5.0                             | 17.2                            | 3.8                      | 74.0                    |                                |
|                          | 9:20      | 11/1/2007  | 6.0                             | 18.6                            | 2.2                      | 73.2                    |                                |
|                          | 10:25     | 11/13/2007 | 11.5                            | 18.6                            | 3.4                      | 66.5                    |                                |
|                          | 11:30     | 11/26/2007 | 4.8                             | 16.2                            | 4.8                      | 74.3                    |                                |
|                          | 11:00     | 12/10/2007 | 5.0                             | 16.0                            | 5.4                      | 73.6                    |                                |
|                          | 11:50     | 12/26/2007 | 5.5                             | 16.6                            | 4.3                      | 73.6                    |                                |
|                          | 10:15     | 1/9/2008   | 6.0                             | 17.0                            | 3.7                      | 73.3                    |                                |
|                          | 12:10     | 1/23/2008  | 5.0                             | 15.8                            | 5.2                      | 74.0                    |                                |
|                          | 9:20      | 2/4/2008   | 8.0                             | 17.4                            | 3.3                      | 71.3                    |                                |
|                          | 7:50      | 2/18/2008  | 12.0                            | 17.6                            | 3.8                      | 66.6                    |                                |
|                          | 7:30      | 3/4/2008   | 20.0                            | 18.0                            | 6.0                      | 56.0                    |                                |
|                          | 8:50      | 3/18/2008  | 23.0                            | 19.8                            | 3.9                      | 53.3                    |                                |
|                          | 14:30     | 5/12/2008  | 14.5                            | 21.0                            | 1.5                      | 63.0                    |                                |
|                          | 9:15      | 5/19/2008  | 4.4                             | 17.4                            | 2.4                      | 75.9                    |                                |
|                          | 13:50     | 5/30/2008  | 6.5                             | 18.2                            | 1.2                      | 74.1                    |                                |
|                          | 9:20      | 6/12/2008  | 3.8                             | 19.0                            | 2.6                      | 74.6                    |                                |
|                          | 9:20      | 6/25/2008  | 9.5                             | 21.6                            | 0.5                      | 68.4                    |                                |
|                          | 11:10     | 7/7/2008   | 6.0                             | 19.4                            | 1.3                      | 73.3                    | opened GV-6 to 200 ft/min      |
|                          | 12:25     | 7/21/2008  | 6.5                             | 20.6                            | 1.1                      | 71.8                    |                                |
|                          | 9:50      | 8/5/2008   | 7.0                             | 20.2                            | 1.7                      | 71.1                    |                                |
|                          | 9:10      | 8/13/2008  | 12.5                            | 23.2                            | 0.1                      | 64.2                    | increase to 12 on 12 off       |
|                          | 8:45      | 8/19/2008  | 8.0                             | 21.2                            | 2.2                      | 68.6                    |                                |
|                          | 14:15     | 9/2/2008   | 6.5                             | 20.6                            | 1.1                      | 71.8                    |                                |
|                          | 11:41     | 10/3/2008  | 8.0                             | 21.6                            | 0.8                      | 69.6                    |                                |
|                          | 10:40     | 10/13/2008 | 9.0                             | 22.4                            | 0.6                      | 68.0                    |                                |
|                          | 9:15      | 10/28/2008 | 9.0                             | 23.4                            | 0.0                      | 67.6                    |                                |
|                          | 7:40      | 11/6/2008  | 10.5                            | 22.2                            | 0.6                      | 66.7                    |                                |
|                          | 10:25     | 12/8/2008  | 7.0                             | 21.4                            | 1.4                      | 70.2                    |                                |
|                          | 10:20     | 12/24/2008 | 6.0                             | 20.4                            | 1.2                      | 72.4                    | decrease to 10 on              |
|                          | 12:00     | 1/8/2009   | 5.0                             | 15.4                            | 2.4                      | 77.2                    |                                |
|                          | 11:25     | 1/18/2009  | 8.5                             | 23.0                            | 0.3                      | 68.2                    |                                |
| 7:40                     | 1/27/2009 | 5.0        | 18.0                            | 4.9                             | 72.1                     |                         |                                |
| 8:40                     | 2/6/2009  | 4.8        | 16.4                            | 5.2                             | 73.7                     |                         |                                |
| 11:00                    | 2/23/2009 | 3.9        | 17.4                            | 4.5                             | 74.3                     | decrease to 8 on        |                                |
| 10:20                    | 3/9/2009  | 8.0        | 21.2                            | 0.1                             | 70.7                     |                         |                                |
| 10:20                    | 3/20/2009 | 10.0       | 21.8                            | 0.6                             | 67.6                     |                         |                                |
| 11:46                    | 4/9/2009  | 13.0       | 22.2                            | 0.2                             | 64.6                     |                         |                                |
| 10:45                    | 4/19/2009 | 5.6        | 18.2                            | 2.1                             | 74.1                     |                         |                                |
| 8:05                     | 5/4/2009  | 8.5        | 16.2                            | 5.5                             | 69.8                     |                         |                                |
| 8:40                     | 5/18/2009 | 4.3        | 17.6                            | 3.4                             | 74.8                     |                         |                                |
| 9:35                     | 6/1/2009  | 7.0        | 15.4                            | 5.2                             | 72.4                     |                         |                                |
| 9:00                     | 6/14/2009 | 5.0        | 18.8                            | 1.5                             | 74.7                     |                         |                                |
| 8:45                     | 7/2/2009  | 13.5       | 21.2                            | 1.6                             | 63.7                     |                         |                                |
| 7:30                     | 7/13/2009 | 7.0        | 12.6                            | 8.6                             | 71.8                     |                         |                                |
| 8:20                     | 7/22/2009 | 5.0        | 20.4                            | 1.3                             | 73.3                     |                         |                                |
| 8:50                     | 8/11/2009 | 4.6        | 17.4                            | 4.1                             | 74.0                     |                         |                                |
| 8:45                     | 8/24/2009 | 4.3        | 16.8                            | 4.5                             | 74.5                     | decrease to 6 on 18 off |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time       | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40 | Comments<br>target percentages |
|--------------------------|------------|------------|---------------------------------|---------------------------------|--------------------------|--------------|--------------------------------|
| LC-1                     | 9:25       | 9/8/2009   | 10.0                            | 21.6                            | 0.6                      | 67.8         |                                |
|                          | 9:20       | 9/21/2009  | 15.0                            | 23.8                            | 0.0                      | 61.2         |                                |
|                          | 10:15      | 10/5/2009  | 15.0                            | 23.8                            | 0.1                      | 61.1         |                                |
|                          | 11:00      | 10/28/2009 | 16.0                            | 23.2                            | 1.3                      | 59.5         |                                |
|                          | 10:50      | 11/16/2009 | 7.5                             | 21.8                            | 0.8                      | 69.9         |                                |
|                          | 10:00      | 12/18/2009 | 24.0                            | 23.8                            | 0.0                      | 52.2         |                                |
|                          | 9:10       | 12/28/2009 | 27.0                            | 27.0                            | 0.0                      | 46.0         |                                |
|                          | 9:50       | 1/11/2010  | 24.0                            | 26.0                            | 0.0                      | 50.0         |                                |
|                          | 8:30       | 1/26/2010  | 26.0                            | 26.0                            | 0.0                      | 48.0         |                                |
|                          | 12:00      | 2/25/2010  | 19.5                            | 24.6                            | 0.0                      | 55.9         |                                |
|                          | 9:50       | 3/8/2010   | 20.0                            | 24.0                            | 0.0                      | 56.0         |                                |
|                          | 9:25       | 3/22/2010  | 18.0                            | 23.0                            | 0.0                      | 59.0         |                                |
|                          | 9:28       | 4/5/2010   | 17.0                            | 23.0                            | 0.0                      | 60.0         |                                |
|                          | 9:18       | 4/19/2010  | 16.5                            | 23                              | 0                        | 60.5         |                                |
|                          | 9:22       | 5/3/2010   | 20.0                            | 23.6                            | 0.0                      | 56.4         |                                |
|                          | 9:47       | 5/17/2010  | 20.0                            | 24.0                            | 0.0                      | 56.0         |                                |
|                          | 9:10       | 5/25/2010  | 10.5                            | 22.8                            | 0.0                      | 66.7         |                                |
|                          | 9:15       | 6/24/2010  | 13.0                            | 21.0                            | 1.4                      | 64.6         |                                |
|                          | 10:15      | 7/6/2010   | 6.0                             | 20.4                            | 1.5                      | 72.1         |                                |
|                          | 9:08       | 7/19/2010  | 7.0                             | 19.6                            | 3.0                      | 70.4         |                                |
|                          | 9:00       | 8/2/2010   | 6.5                             | 19.4                            | 2.2                      | 71.9         |                                |
|                          | 9:50       | 8/16/2010  | 12.5                            | 21.6                            | 1.1                      | 64.8         |                                |
|                          | 8:52       | 8/30/2010  | 21.0                            | 24.2                            | 0.7                      | 54.1         |                                |
|                          | 9:08       | 9/13/2010  | 26.5                            | 25.2                            | 1.1                      | 47.2         |                                |
|                          | 9:40       | 9/28/2010  | 29.5                            | 26.0                            | 1.1                      | 43.4         |                                |
|                          | 8:05       | 10/12/2010 | 24.5                            | 25.2                            | 1.7                      | 48.6         |                                |
|                          | 9:22       | 10/25/2010 | 24.5                            | 25.4                            | 1.1                      | 49.0         |                                |
|                          | 9:36       | 11/2/2010  | 16.0                            | 24.2                            | 1.5                      | 58.3         |                                |
|                          | 8:49       | 11/15/2010 | 15.5                            | 23.4                            | 1.5                      | 59.6         |                                |
|                          | 9:45       | 12/10/2010 | 14.0                            | 22.8                            | 1.5                      | 61.7         |                                |
|                          | 9:00       | 12/23/2010 | 15.5                            | 22.6                            | 1.6                      | 60.3         |                                |
|                          | 9:18       | 1/10/2011  | 11.5                            | 22.2                            | 1.6                      | 64.7         |                                |
|                          | 12:15      | 2/11/2011  | 34.0                            | 24.6                            | 1.7                      | 39.7         |                                |
|                          | 9:20       | 3/7/2011   | 4.9                             | 15.2                            | 6.5                      | 73.5         |                                |
|                          | 11:50      | 3/24/2011  | 19.5                            | 22.2                            | 0.7                      | 57.6         |                                |
|                          | 8:55       | 4/6/2011   | 22.9                            | 23.4                            | 0.3                      | 53.4         |                                |
|                          | 8:19       | 4/25/2011  | 23.5                            | 23.0                            | 0.6                      | 52.9         |                                |
|                          | 8:52       | 5/9/2011   | 34.5                            | 24.6                            | 0.3                      | 40.6         |                                |
|                          | 9:12       | 5/23/2011  | 38.0                            | 25.4                            | 0.3                      | 36.3         |                                |
|                          | 10:50      | 6/6/2011   | 40.0                            | 26.0                            | 0.3                      | 33.7         |                                |
|                          | 9:08       | 6/15/2011  | 41.5                            | 26.2                            | 0.3                      | 32.0         |                                |
|                          | 9:15       | 7/5/2011   | 35.5                            | 26.0                            | 0.3                      | 38.2         |                                |
| 8:06                     | 7/13/2011  | 31.0       | 26.0                            | 0.2                             | 42.8                     |              |                                |
| 8:20                     | 7/26/2011  | 32.0       | 26.6                            | 0.3                             | 41.1                     |              |                                |
| 8:15                     | 8/8/2011   | 19.0       | 24.1                            | 0.3                             | 56.6                     |              |                                |
| 7:50                     | 8/23/2011  | 16.0       | 24.4                            | 0.3                             | 59.3                     |              |                                |
| 15:19                    | 9/9/2011   | 28.5       | 28.0                            | 0.5                             | 43.0                     |              |                                |
| 16:03                    | 9/15/2011  | 15.0       | 25.2                            | 0.8                             | 59.0                     |              |                                |
| 8:31                     | 9/21/2011  | 17.5       | 22.8                            | 2.6                             | 57.1                     |              |                                |
| 9:38                     | 9/21/2011  | 14.5       | 21.5                            | 3.2                             | 60.8                     |              |                                |
| 9:29                     | 9/22/2011  | 17.5       | 24.4                            | 1.6                             | 56.5                     |              |                                |
| 10:11                    | 9/22/2011  | 16.0       | 22.2                            | 3.3                             | 58.5                     |              |                                |
| 10:57                    | 9/22/2011  | 16.0       | 24.2                            | 1.6                             | 58.2                     |              |                                |
| 10:46                    | 10/3/2011  | 7.5        | 21.2                            | 2.4                             | 68.9                     |              |                                |
| 13:55                    | 10/24/2011 | 11.0       | 23.0                            | 1.0                             | 65.0                     |              |                                |
| 11:00                    | 10/26/2011 | 12.0       | 23.6                            | 1.3                             | 63.1                     |              |                                |
| 10:45                    | 11/7/2011  | 10.5       | 23.4                            | 0.5                             | 65.6                     |              |                                |
| 9:20                     | 11/14/2011 | 14.5       | 24.0                            | 0.1                             | 61.4                     |              |                                |
| 9:18                     | 12/12/2011 | 12.7       | 24.2                            | 0.2                             | 62.9                     |              |                                |
| 10:24                    | 12/27/2011 | 36.5       | 27.2                            | 0.2                             | 36.1                     |              |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen



Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time      | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40 | Comments<br>target percentages |
|--------------------------|-----------|------------|---------------------------------|---------------------------------|--------------------------|--------------|--------------------------------|
| LC-1                     | 8:45      | 1/10/2012  | 24.5                            | 25.4                            | 0.1                      | 50.0         |                                |
|                          | 10:10     | 1/25/2012  | 26.0                            | 27.2                            | 0.3                      | 46.5         |                                |
|                          | 9:20      | 2/20/2012  | 32.5                            | 26.6                            | 0.6                      | 40.3         |                                |
|                          | 9:10      | 3/8/2012   | 30.5                            | 25.4                            | 1.8                      | 42.3         |                                |
|                          | 10:25     | 4/2/2012   | 24.0                            | 25.2                            | 0.9                      | 49.9         |                                |
|                          | 9:09      | 4/16/2012  | 26.5                            | 25.4                            | 0.9                      | 47.2         |                                |
|                          | 9:00      | 4/30/2012  | 16.5                            | 23.0                            | 1.5                      | 59.0         |                                |
|                          | 9:21      | 5/14/2012  | 18.0                            | 22.8                            | 1.7                      | 57.5         |                                |
|                          | 9:14      | 5/29/2012  | 24.5                            | 24.6                            | 1.1                      | 49.8         |                                |
|                          | 7:57      | 6/11/2012  | 27.5                            | 25.4                            | 0.9                      | 46.2         |                                |
|                          | 9:46      | 6/25/2012  | 24.5                            | 25.2                            | 1.0                      | 49.3         |                                |
|                          | 9:05      | 7/9/2012   | 23.0                            | 25.4                            | 0.9                      | 50.7         |                                |
|                          | 8:40      | 7/23/2012  | 7.0                             | 20.2                            | 2.2                      | 70.6         |                                |
|                          | 8:21      | 7/25/2012  | 8.0                             | 20.8                            | 2.0                      | 69.2         |                                |
|                          | 9:05      | 8/6/2012   | 8.0                             | 21.4                            | 1.7                      | 68.9         |                                |
|                          | 9:31      | 8/21/2012  | 9.5                             | 21.6                            | 1.3                      | 67.6         |                                |
|                          | 9:15      | 9/4/2012   | 7.0                             | 19.8                            | 2.0                      | 71.2         |                                |
|                          | 9:10      | 10/1/2012  | 6.0                             | 18.2                            | 4.2                      | 71.6         |                                |
|                          | 8:30      | 10/15/2012 | 4.5                             | 11.4                            | 9.2                      | 75.0         |                                |
|                          | 7:55      | 12/6/2012  | 13.0                            | 21.0                            | 1.3                      | 64.7         |                                |
|                          | 9:30      | 12/17/2012 | 17.0                            | 21.2                            | 0.8                      | 61.0         |                                |
|                          | 9:00      | 12/31/2012 | 24.5                            | 23.6                            | 1.1                      | 50.8         |                                |
|                          | 8:30      | 1/9/2013   | 29.5                            | 24.0                            | 1.1                      | 45.4         |                                |
|                          | 8:05      | 1/15/2013  | 30.0                            | 24.6                            | 0.0                      | 45.4         |                                |
|                          | 9:11      | 1/28/2013  | 27.0                            | 23.4                            | 0.6                      | 49.0         |                                |
|                          | 10:55     | 2/11/2013  | 41.0                            | 27.0                            | 0.0                      | 32.0         |                                |
|                          | 9:22      | 2/25/2013  | 44.5                            | 26.0                            | 0.0                      | 29.5         |                                |
|                          | 7:40      | 3/8/2013   | 48.0                            | 26.4                            | 0.1                      | 25.5         |                                |
|                          | 8:55      | 3/22/2013  | 50.5                            | 26.0                            | 0.1                      | 23.4         |                                |
|                          | 14:00     | 4/8/2013   | 32.0                            | 24.8                            | 0.3                      | 42.9         |                                |
|                          | 15:20     | 4/22/2013  | 12.0                            | 21.6                            | 0.4                      | 66.0         |                                |
|                          | 9:39      | 4/29/2013  | 11.0                            | 20.4                            | 0.1                      | 68.5         |                                |
|                          | 8:34      | 5/13/2013  | 8.0                             | 20.0                            | 0.7                      | 71.3         |                                |
|                          | 13:40     | 5/28/2013  | 9.5                             | 19.4                            | 0.9                      | 70.2         |                                |
|                          | 8:50      | 6/7/2013   | 8.5                             | 19.4                            | 1.1                      | 71.0         |                                |
|                          | 8:17      | 6/21/2013  | 8.0                             | 18.8                            | 1.5                      | 71.7         |                                |
|                          | 8:50      | 7/5/2013   | 7.0                             | 18.8                            | 1.5                      | 72.7         |                                |
|                          | 7:52      | 7/22/2013  | 8.0                             | 19.4                            | 1.6                      | 71.0         |                                |
|                          | 8:55      | 8/5/2013   | 9.5                             | 20.0                            | 1.7                      | 68.8         |                                |
|                          | 8:24      | 8/19/2013  | 11.0                            | 20.2                            | 1.7                      | 67.1         |                                |
|                          | 8:35      | 9/5/2013   | 4.4                             | 8.6                             | 12.6                     | 74.5         |                                |
|                          | 8:48      | 9/16/2013  | 5.0                             | 7.6                             | 14.0                     | 73.4         |                                |
|                          | 7:40      | 9/30/2013  | 14.0                            | 13.4                            | 9.5                      | 63.1         |                                |
|                          | 7:38      | 10/14/2013 | 21.5                            | 17.8                            | 7.5                      | 53.2         |                                |
|                          | 7:42      | 10/28/2013 | 23.5                            | 16.2                            | 9.0                      | 51.3         |                                |
|                          | 8:10      | 11/19/2013 | 34.0                            | 22.2                            | 6.1                      | 37.7         |                                |
|                          | 7:35      | 12/2/2013  | 38.0                            | 23.8                            | 5.0                      | 33.2         |                                |
|                          | 7:15      | 12/16/2013 | 19.0                            | 12.6                            | 12.2                     | 56.2         |                                |
|                          | 7:06      | 12/27/2013 | 48.5                            | 28.0                            | 2.9                      | 20.6         |                                |
|                          | 7:08      | 1/13/2014  | 54.5                            | 28.6                            | 0.7                      | 16.2         |                                |
|                          | 7:20      | 1/30/2014  | 50.0                            | 28.6                            | 0.9                      | 20.5         |                                |
| 7:35                     | 2/12/2014 | 51.5       | 28.2                            | 0.9                             | 19.4                     |              |                                |
| 7:50                     | 2/24/2014 | 35.0       | 25.0                            | 1.2                             | 38.8                     |              |                                |
| 8:25                     | 3/10/2014 | 36.0       | 27.0                            | 1.0                             | 36.0                     |              |                                |
| 8:15                     | 3/24/2014 | 14.5       | 18.8                            | 4.8                             | 61.9                     |              |                                |
| 7:30                     | 4/7/2014  | 18.0       | 21.4                            | 1.6                             | 59.0                     |              |                                |
| 10:44                    | 4/22/2014 | 15.0       | 20.8                            | 1.6                             | 62.6                     |              |                                |
| 7:45                     | 5/7/2014  | 18.5       | 21.8                            | 0.8                             | 58.9                     |              |                                |
| 7:45                     | 5/19/2014 | 16.0       | 21.8                            | 0.5                             | 61.7                     |              |                                |
| 7:15                     | 5/30/2014 | 17.5       | 22.4                            | 0.3                             | 59.8                     |              |                                |
| 7:36                     | 6/16/2014 | 8.5        | 20.4                            | 0.6                             | 70.5                     |              |                                |
| 7:55                     | 6/30/2014 | 6.0        | 18.4                            | 1.7                             | 73.9                     |              |                                |

CH4 = Methane  
 CO2 = Carbon Dioxide  
 O2 = Oxygen  
 N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active<br>Extraction<br>Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|--------------------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| LC-1                           | 8:05       | 7/14/2014  | 5.0                                | 17.4                               | 2.8                         | 74.8            |                                |
|                                | 8:05       | 7/28/2014  | 3.9                                | 17.0                               | 3.9                         | 75.2            |                                |
|                                | 8:21       | 8/11/2014  | 4.6                                | 16.2                               | 4.4                         | 74.8            |                                |
|                                | 7:25       | 8/25/2014  | 4.3                                | 16.4                               | 4.2                         | 75.2            |                                |
|                                | 7:45       | 9/8/2014   | 4.1                                | 16.0                               | 4.9                         | 75.0            |                                |
|                                | 7:30       | 9/22/2014  | 4.3                                | 16.8                               | 4.5                         | 74.5            |                                |
|                                | 7:55       | 10/7/2014  | 6.0                                | 17.2                               | 3.4                         | 73.4            |                                |
|                                | 7:50       | 10/20/2014 | 7.5                                | 18.4                               | 2.7                         | 71.4            |                                |
|                                | 7:40       | 11/3/2014  | 12.5                               | 20.2                               | 2.3                         | 65.0            |                                |
|                                | 7:30       | 11/17/2014 | 16.5                               | 21.2                               | 2.9                         | 59.4            |                                |
|                                | 7:35       | 12/2/2014  | 19.5                               | 21.2                               | 2.2                         | 57.1            |                                |
|                                | 7:15       | 12/15/2014 | 33.0                               | 25.4                               | 0.0                         | 41.6            | blower off                     |
|                                | 7:19       | 12/18/2014 | 28.0                               | 23.2                               | 2.0                         | 46.8            |                                |
|                                | 7:31       | 1/2/2015   | 28.0                               | 23.4                               | 2.4                         | 46.2            |                                |
|                                | 7:22       | 1/16/2015  | 32.0                               | 22.6                               | 1.6                         | 43.8            |                                |
|                                | 7:30       | 1/26/2015  | 36.0                               | 23.2                               | 1.2                         | 39.6            |                                |
|                                | 7:35       | 2/9/2015   | 33.5                               | 24.6                               | 1.2                         | 40.7            |                                |
|                                | 8:02       | 2/24/2015  | 39.5                               | 24.0                               | 1.4                         | 35.1            |                                |
|                                | 8:28       | 3/9/2015   | 24.5                               | 21.2                               | 1.5                         | 52.8            |                                |
|                                | 7:25       | 3/23/2015  | 9.0                                | 18.2                               | 2.0                         | 70.8            |                                |
|                                | 7:35       | 4/6/2015   | 8.5                                | 18.0                               | 1.7                         | 71.8            |                                |
|                                | 8:27       | 4/22/2015  | 7.6                                | 17.4                               | 2.0                         | 73.0            |                                |
|                                | 7:21       | 5/4/2015   | 8.5                                | 17.0                               | 1.9                         | 72.6            |                                |
|                                | 7:20       | 5/18/2015  | 10.5                               | 18.8                               | 1.5                         | 69.2            |                                |
|                                | 7:25       | 6/1/2015   | 7.5                                | 18.2                               | 2.4                         | 71.9            |                                |
|                                | 7:30       | 6/15/2015  | 7.0                                | 15.0                               | 4.9                         | 73.1            |                                |
|                                | 7:35       | 6/29/2015  | 4.3                                | 8.4                                | 11.8                        | 75.5            |                                |
|                                | 7:28       | 7/14/2015  | 9.0                                | 19.0                               | 1.8                         | 70.2            |                                |
|                                | 7:24       | 7/27/2015  | 7.0                                | 19.2                               | 1.8                         | 72.0            |                                |
|                                | 7:30       | 8/10/2015  | 7.5                                | 18.6                               | 2.2                         | 71.7            |                                |
|                                | 7:25       | 8/24/2015  | 6.5                                | 18.6                               | 2.2                         | 72.7            |                                |
|                                | 7:40       | 9/8/2015   | 7.0                                | 18.2                               | 2.7                         | 72.1            |                                |
|                                | 7:49       | 9/21/2015  | 6.0                                | 19.0                               | 2.6                         | 72.4            |                                |
|                                | 7:30       | 10/5/2015  | 7.5                                | 19.4                               | 2.0                         | 71.1            |                                |
|                                | 7:35       | 10/19/2015 | 8.5                                | 19.8                               | 1.9                         | 69.8            |                                |
|                                | 7:50       | 11/2/2015  | 7.5                                | 19.6                               | 1.8                         | 71.1            |                                |
|                                | 7:30       | 11/16/2015 | 9.5                                | 20.4                               | 1.4                         | 68.7            |                                |
|                                | 11:00      | 11/30/2015 | 10.5                               | 20.6                               | 1.9                         | 67.0            |                                |
|                                | 7:25       | 12/15/2015 | 15.0                               | 21.0                               | 1.1                         | 62.9            |                                |
|                                | 7:35       | 12/28/2015 | 15.0                               | 22.4                               | 0.8                         | 61.8            |                                |
|                                | 8:16       | 1/9/2016   | 17.5                               | 20.8                               | 1.4                         | 60.3            |                                |
|                                | 7:50       | 1/25/2016  | 22.0                               | 23.6                               | 0.6                         | 53.8            |                                |
|                                | 7:50       | 2/8/2016   | 23.0                               | 23.2                               | 1.1                         | 52.7            |                                |
|                                | 7:35       | 2/22/2016  | 23.0                               | 21.0                               | 1.0                         | 55.0            |                                |
|                                | 7:47       | 3/7/2016   | 23.0                               | 20.4                               | 1.0                         | 55.6            |                                |
|                                | 8:30       | 3/21/2016  | 19.5                               | 21.8                               | 0.6                         | 58.1            |                                |
|                                | 7:50       | 4/4/2016   | 14.5                               | 21.2                               | 0.6                         | 63.7            |                                |
|                                | 8:25       | 4/18/2016  | 18.5                               | 21.6                               | 0.6                         | 59.3            |                                |
|                                | 9:45       | 5/3/2016   | 26.5                               | 23.2                               | 0.2                         | 50.1            |                                |
|                                | 7:50       | 5/16/2016  | 28.0                               | 24.0                               | 0.3                         | 47.7            |                                |
|                                | 7:45       | 6/2/2016   | 29.0                               | 24.2                               | 0.1                         | 46.7            |                                |
|                                | 7:50       | 6/14/2016  | 27.0                               | 24.0                               | 0.2                         | 48.8            |                                |
|                                | 7:50       | 6/27/2016  | 22.0                               | 21.6                               | 0.2                         | 56.2            |                                |
| 10:20                          | 7/14/2016  | 18.5       | 22.8                               | 0.2                                | 58.5                        |                 |                                |
| 7:55                           | 7/25/2016  | 17.5       | 23.4                               | 0.2                                | 58.9                        |                 |                                |
| 7:45                           | 8/8/2016   | 17.5       | 23.8                               | 0.2                                | 58.5                        |                 |                                |
| 8:33                           | 8/25/2016  | 16.0       | 24.4                               | 0.0                                | 59.6                        |                 |                                |
| 7:25                           | 9/6/2016   | 15.5       | 24.0                               | 0.2                                | 60.3                        |                 |                                |
| 10:00                          | 10/3/2016  | 10.5       | 22.6                               | 0.4                                | 66.5                        |                 |                                |
| 8:12                           | 10/19/2016 | 8.5        | 21.4                               | 0.7                                | 69.4                        |                 |                                |
| 8:43                           | 10/31/2016 | 9.5        | 21.2                               | 1.8                                | 67.5                        |                 |                                |

CH4 = Methane  
CO2 = Carbon Dioxide  
O2 = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time       | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40                         | Comments<br>target percentages               |
|--------------------------|------------|------------|---------------------------------|---------------------------------|--------------------------|--------------------------------------|--|
| LC-1                     | 8:04       | 11/14/2016 | 13.5                            | 22.0                            | 1.0                      | 63.5                                 |  |
|                          | 8:54       | 11/28/2016 | 18.5                            | 22.0                            | 1.8                      | 57.7                                 |  |
|                          | 9:08       | 12/9/2016  | 17.0                            | 23.2                            | 1.1                      | 58.7                                 |  |
|                          | 7:55       | 12/22/2016 | 22.5                            | 23.2                            | 1.2                      | 53.1                                 |  |
|                          | 8:00       | 1/4/2017   | 23.0                            | 21.6                            | 2.3                      | 53.1                                 |  |
|                          | 7:30       | 1/13/2017  | 22.9                            | 21.2                            | 2.4                      | 53.5                                 |  |
|                          | 7:25       | 1/27/2017  | 37.0                            | 24.8                            | 1.5                      | 36.7                                 |  |
|                          | 7:56       | 2/13/2017  | 35.5                            | 21.4                            | 1.9                      | 41.2                                 |  |
|                          | 7:55       | 2/27/2017  | 39.5                            | 22.4                            | 2.5                      | 35.6                                 |  |
|                          | 8:20       | 3/13/2017  | 44.5                            | 23.6                            | 2.0                      | 29.9                                 |  |
|                          | 7:25       | 3/28/2017  | 41.0                            | 24.0                            | 1.8                      | 33.2                                 |  |
|                          | 8:08       | 4/12/2017  | 43.5                            | 24.0                            | 1.8                      | 30.7                                 |  |
|                          | 7:45       | 4/18/2017  | 40.0                            | 24.2                            | 1.7                      | 34.1                                 |  |
|                          | 7:12       | 4/25/2017  | 43.0                            | 25.6                            | 1.5                      | 29.9                                 |  |
|                          | 7:20       | 5/8/2017   | 38.0                            | 25.0                            | 1.8                      | 35.2                                 |  |
|                          | 7:30       | 5/22/2017  | 32.5                            | 24.4                            | 1.5                      | 41.6                                 |  |
|                          | 7:46       | 6/5/2017   | 26.0                            | 24.6                            | 1.4                      | 48.0                                 |  |
|                          | 7:35       | 6/19/2017  | 14.5                            | 23.0                            | 1.3                      | 61.2                                 |  |
|                          | 8:27       | 7/4/2017   | 14.0                            | 24.0                            | 0.3                      | 61.7                                 |  |
|                          | 7:45       | 7/18/2017  | 18.5                            | 25.4                            | 0.0                      | 56.1                                 |  |
|                          | 7:47       | 8/1/2017   | 21.0                            | 26.0                            | 0.0                      | 53.0                                 |  |
|                          | 7:54       | 8/14/2017  | 23.0                            | 26.4                            | 0.0                      | 50.6                                 |  |
|                          | 8:08       | 8/29/2017  | 23.0                            | 26.8                            | 0.1                      | 50.1                                 |  |
|                          | 7:56       | 9/12/2017  | 26.0                            | 27.6                            | 0.0                      | 46.4                                 |  |
|                          | 8:08       | 9/25/2017  | 25.0                            | 27.4                            | 0.1                      | 47.5                                 |  |
|                          | 8:11       | 10/10/2017 | 22.0                            | 27.2                            | 0.3                      | 50.5                                 |  |
|                          | 7:49       | 10/23/2017 | 25.0                            | 26.8                            | 0.1                      | 48.1                                 |  |
|                          | 7:57       | 11/6/2017  | 23.5                            | 26.8                            | 0.1                      | 49.6                                 |  |
|                          | 8:04       | 11/17/2017 | 26.5                            | 27.0                            | 0.1                      | 46.4                                 |  |
|                          | 8:01       | 12/1/2017  | 25.0                            | 26.2                            | 0.2                      | 48.6                                 |  |
|                          | 8:11       | 12/18/2017 | 27.5                            | 26.4                            | 0.2                      | 45.9                                 |  |
|                          | 8:47       | 1/3/2018   | 31.5                            | 25.4                            | 0.4                      | 42.7                                 |  |
|                          | 7:57       | 1/11/2018  | 36.5                            | 26.2                            | 0.2                      | 37.1                                 |  |
|                          | 7:50       | 1/26/2018  | 8.5                             | 17.8                            | 4.2                      | 69.5                                 |  |
|                          | 8:10       | 2/13/2018  | NM                              | NM                              | NM                       | NM                                   | Not measured. Unable to thaw to get readings |
|                          | 7:42       | 2/27/2018  | 7.5                             | 17.8                            | 1.8                      | 72.9                                 |  |
|                          | 7:42       | 3/13/2018  | 4.2                             | 11.8                            | 7.7                      | 76.4                                 |  |
|                          | 8:04       | 3/28/2018  | 7.0                             | 18.0                            | 1.2                      | 73.8                                 |  |
|                          | 8:18       | 4/10/2018  | 9.0                             | 19.2                            | 0.6                      | 71.2                                 |  |
|                          | 7:47       | 4/25/2018  | 10.5                            | 19.2                            | 0.5                      | 69.8                                 |  |
| 8:04                     | 5/8/2018   | 3.1        | 4.0                             | 16.6                            | 76.4                     |                                      |  |
| 7:51                     | 5/21/2018  | 3.0        | 4.6                             | 16.0                            | 76.4                     |                                      |  |
| 8:08                     | 6/5/2018   | 2.8        | 3.8                             | 16.9                            | 76.5                     |                                      |  |
| 7:56                     | 6/20/2018  | 2.9        | 3.6                             | 17.4                            | 76.1                     |                                      |  |
| 8:04                     | 6/28/2018  | 2.8        | 3.2                             | 17.8                            | 76.3                     |                                      |  |
| 5:58                     | 8/2/2018   | 5.3        | 3.0                             | 18.7                            | 73.0                     | Rental meter read "over" for methane |  |
| 6:30                     | 9/15/2018  | 3.6        | 3.0                             | 18.6                            | 74.9                     |                                      |  |
| 8:31                     | 9/26/2018  | 2.9        | 2.4                             | 19.3                            | 75.4                     |                                      |  |
| 10:50                    | 10/26/2018 | 3.7        | 2.8                             | 19.0                            | 74.6                     |                                      |  |
| 7:43                     | 11/9/2018  | 3.4        | 3.0                             | 18.8                            | 74.8                     |                                      |  |
| 7:19                     | 11/21/2018 | 2.6        | 2.8                             | 19.1                            | 75.5                     |                                      |  |
| 13:05                    | 12/6/2018  | 1.4        | 1.4                             | 20.6                            | 76.7                     |                                      |  |
| 12:58                    | 12/20/2018 | 17.5       | 12.0                            | 11.8                            | 58.7                     |                                      |  |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time      | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40                   | Comments<br>target percentages |
|--------------------------|-----------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------------------------|--------------------------------|
| LC-2                     | 11:09     | 3/20/2006  | 61.9                               | 36.8                               | 1.0                         | 0.3                               | pre-startup                    |
|                          | 9:52      | 3/22/2006  | 50.2                               | 28.3                               | 4.9                         | 16.6                              |                                |
|                          | 15:51     | 3/22/2006  | 49.9                               | 35.2                               | 7.4                         | 7.5                               |                                |
|                          | 8:52      | 3/23/2006  | 45.2                               | 27.1                               | 6.8                         | 20.9                              |                                |
|                          | 16:52     | 3/23/2006  | 54.3                               | 32.5                               | 3.5                         | 9.7                               |                                |
|                          | 15:20     | 3/24/2006  | 25.5                               | 14.8                               | 15.3                        | 44.4                              |                                |
|                          | 15:10     | 3/28/2006  | 18.7                               | 12.0                               | 13.5                        | 55.8                              |                                |
|                          | 19:09     | 3/30/2006  | 52.6                               | 28.7                               | 3.7                         | 15.0                              |                                |
|                          | 13:45     | 4/5/2006   | 35.5                               | 20.5                               | 8.2                         | 35.8                              |                                |
|                          | 13:25     | 4/6/2006   | 33.4                               | 21.0                               | 9.1                         | 36.5                              |                                |
|                          | 13:35     | 4/11/2006  | 33.4                               | 21.7                               | 9.9                         | 35.0                              |                                |
|                          | 10:57     | 4/14/2006  | 58.5                               | 39.5                               | 2.0                         | 0.0                               |                                |
|                          | 15:56     | 4/14/2006  | 33.6                               | 20.0                               | 7.9                         | 38.5                              |                                |
|                          | 10:20     | 4/17/2006  | 30.0                               | 20.0                               | 4.3                         | 45.7                              |                                |
|                          | 19:59     | 4/27/2006  | 51.7                               | 26.8                               | 4.2                         | 17.3                              |                                |
|                          | 13:28     | 5/4/2006   | 43.6                               | 24.8                               | 4.2                         | 27.4                              |                                |
|                          | 12:00     | 5/22/2006  | 48.8                               | 28.9                               | 4.3                         | 18.0                              |                                |
|                          | 8:41      | 6/9/2006   | 34.2                               | 20.0                               | 10.5                        | 35.3                              |                                |
|                          | 13:05     | 6/14/2006  | 30.1                               | 20.2                               | 8.3                         | 41.4                              |                                |
|                          | 11:05     | 6/22/2006  | 45.1                               | 35.4                               | 5.1                         | 14.4                              |                                |
|                          | 12:09     | 7/5/2006   | 44.4                               | 44.5                               | 5.8                         | 5.3                               |                                |
|                          | 10:50     | 7/10/2006  | 0.1                                | 0.2                                | 5.4                         | 94.3                              |                                |
|                          | 10:15     | 7/17/2006  | 42.7                               | 32.7                               | 5.8                         | 18.8                              |                                |
|                          | 14:15     | 7/28/2006  | 43.6                               | 33.4                               | 4.7                         | 18.3                              |                                |
|                          | 9:51      | 8/8/2006   | 45.4                               | 36.2                               | 4.1                         | 14.3                              |                                |
|                          | 9:30      | 8/16/2006  | 31.2                               | 24.6                               | 8.6                         | 35.6                              |                                |
|                          | 8:38      | 8/21/2006  | 2.4                                | 10.2                               | 3.7                         | 83.7                              |                                |
|                          | 14:22     | 8/28/2006  | 20.0                               | 36.2                               | 4.2                         | 39.6                              |                                |
|                          | 11:36     | 9/13/2006  | 28.2                               | 37.0                               | 4.0                         | 30.8                              |                                |
|                          | 11:34     | 9/25/2006  | 2.4                                | 0.8                                | 5.9                         | 90.9                              |                                |
|                          | 8:32      | 10/10/2006 | 49.8                               | 41.7                               | 5.1                         | 3.4                               |                                |
|                          | 8:42      | 10/23/2006 | 37.8                               | 29.5                               | 7.6                         | 25.1                              |                                |
|                          | 14:20     | 11/2/2006  | 42.5                               | 28.4                               | 3.6                         | 25.5                              |                                |
|                          | 15:16     | 11/14/2006 | 39.5                               | 28.2                               | 3.5                         | 28.8                              |                                |
|                          | 11:40     | 11/27/2006 | 48.5                               | 33.2                               | 0.3                         | 18.0                              |                                |
|                          | 13:30     | 12/26/2006 | 44.0                               | 29.4                               | 2.6                         | 24.0                              |                                |
|                          | 14:10     | 1/27/2007  | 44.5                               | 27.6                               | 3.1                         | 24.8                              |                                |
|                          | 11:28     | 2/24/2007  | 9.0                                | 0.2                                | 20.5                        | 70.3                              |                                |
|                          | 11:02     | 3/1/2007   | 37.2                               | 28.2                               | 1.5                         | 33.1                              |                                |
|                          | 12:26     | 3/1/2007   | 36.0                               | 29.0                               | 1.5                         | 33.5                              |                                |
| 14:45                    | 3/1/2007  | 33.0       | 27.6                               | 2.1                                | 37.3                        |                                   |                                |
| 8:05                     | 3/5/2007  | 1.1        | 1.0                                | 19.7                               | 78.3                        | adjust blower time, 12 on, 12 off |                                |
| 8:00                     | 3/24/2007 | 36.0       | 28.4                               | 1.2                                | 34.4                        |                                   |                                |
| 16:45                    | 3/24/2007 | 36.0       | 28.0                               | 1.0                                | 35.0                        |                                   |                                |
| 17:00                    | 3/26/2007 | 33.5       | 27.4                               | 0.9                                | 38.2                        |                                   |                                |
| 7:19                     | 3/27/2007 | 33.5       | 27.4                               | 1.0                                | 38.1                        |                                   |                                |
| 16:35                    | 3/28/2007 | 36.0       | 28.2                               | 0.9                                | 34.9                        |                                   |                                |
| 7:50                     | 3/29/2007 | 36.5       | 28.6                               | 0.8                                | 34.1                        |                                   |                                |
| 16:52                    | 3/29/2007 | 35.5       | 28.2                               | 0.7                                | 35.6                        |                                   |                                |
| 7:56                     | 3/30/2007 | 11.5       | 11.0                               | 11.5                               | 66.0                        | blower off                        |                                |
| 11:45                    | 5/30/2007 | 44.5       | 27.4                               | 1.9                                | 26.2                        | restart and run 24 hrs            |                                |
| 13:45                    | 5/30/2007 | 46.0       | 28.2                               | 1.5                                | 24.3                        |                                   |                                |
| 10:20                    | 5/31/2007 | 40.0       | 26.0                               | 1.3                                | 32.7                        | reduce to 12 on 12 off            |                                |
| 16:25                    | 6/1/2007  | 40.5       | 25.4                               | 1.4                                | 32.7                        |                                   |                                |
| 15:20                    | 6/2/2007  | 40.5       | 25.4                               | 1.2                                | 32.9                        |                                   |                                |
| 16:00                    | 6/3/2007  | 39.5       | 25.2                               | 1.4                                | 33.9                        |                                   |                                |
| 14:04                    | 6/4/2007  | 39.5       | 25.2                               | 1.5                                | 33.8                        | reduce to 6 on 18 off             |                                |
| 14:43                    | 6/7/2007  | 39.5       | 25.0                               | 1.4                                | 34.1                        |                                   |                                |
| 16:46                    | 6/12/2007 | 40.5       | 25.6                               | 1.2                                | 32.7                        |                                   |                                |
| 14:20                    | 6/14/2007 | 40.5       | 25.4                               | 1.2                                | 32.9                        |                                   |                                |
| 13:55                    | 6/19/2007 | 39.5       | 25.8                               | 1.2                                | 33.5                        |                                   |                                |
| 14:00                    | 6/21/2007 | 39.5       | 25.4                               | 1.5                                | 33.6                        |                                   |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active<br>Extraction<br>Points | Time      | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40         | Comments<br><br>target percentages |
|--------------------------------|-----------|------------|------------------------------------|------------------------------------|-----------------------------|-------------------------|------------------------------------|
| LC-2                           | 13:50     | 7/11/2007  | 38.0                               | 25.8                               | 1.5                         | 34.7                    |                                    |
|                                | 13:30     | 7/23/2007  | 38.5                               | 26.6                               | 1.4                         | 33.5                    |                                    |
|                                | 14:17     | 8/8/2007   | 38.5                               | 27.8                               | 1.2                         | 32.5                    |                                    |
|                                | 14:00     | 8/13/2007  | 38.5                               | 28.2                               | 1.5                         | 31.8                    |                                    |
|                                | 13:20     | 8/20/2007  | 34.5                               | 25.2                               | 3.1                         | 37.2                    |                                    |
|                                | 13:45     | 8/28/2007  | 36.5                               | 27.8                               | 1.3                         | 34.4                    |                                    |
|                                | 15:30     | 8/31/2007  | 30.0                               | 26.0                               | 2.5                         | 41.5                    |                                    |
|                                | 14:25     | 9/4/2007   | 26.0                               | 26.0                               | 2.0                         | 46.0                    |                                    |
|                                | 12:55     | 9/17/2007  | 17.5                               | 23.6                               | 3.2                         | 55.7                    |                                    |
|                                | 9:15      | 9/29/2007  | 17.5                               | 23.8                               | 2.9                         | 55.8                    |                                    |
|                                | 8:15      | 10/4/2007  | 18.5                               | 25.0                               | 1.8                         | 54.7                    |                                    |
|                                | 9:15      | 10/7/2007  | 19.0                               | 25.2                               | 1.7                         | 54.1                    |                                    |
|                                | 9:30      | 10/18/2007 | 17.5                               | 21.4                               | 4.2                         | 56.9                    |                                    |
|                                | 8:35      | 10/25/2007 | 23.0                               | 25.2                               | 2.3                         | 49.5                    |                                    |
|                                | 8:50      | 11/1/2007  | 26.5                               | 27.0                               | 1.0                         | 45.5                    |                                    |
|                                | 9:55      | 11/13/2007 | 28.0                               | 25.8                               | 1.8                         | 44.4                    |                                    |
|                                | 11:05     | 11/26/2007 | 27.0                               | 25.4                               | 2.0                         | 45.6                    |                                    |
|                                | 10:30     | 12/10/2007 | 26.0                               | 25.8                               | 2.1                         | 46.1                    |                                    |
|                                | 11:15     | 12/26/2007 | 26.0                               | 25.0                               | 2.0                         | 47.0                    |                                    |
|                                | 9:40      | 1/9/2008   | 24.5                               | 21.6                               | 4.7                         | 49.2                    |                                    |
|                                | 11:58     | 1/23/2008  | 19.0                               | 18.2                               | 7.4                         | 55.4                    |                                    |
|                                | 8:50      | 2/4/2008   | 17.0                               | 15.4                               | 9.4                         | 58.2                    |                                    |
|                                | 7:20      | 2/18/2008  | 25.5                               | 20.4                               | 6.3                         | 47.8                    |                                    |
|                                | 7:15      | 3/4/2008   | 30.5                               | 21.2                               | 7.1                         | 41.2                    |                                    |
|                                | 8:25      | 3/18/2008  | 32.5                               | 22.6                               | 5.5                         | 39.4                    |                                    |
|                                | 13:45     | 5/12/2008  | 43.0                               | 25.8                               | 2.5                         | 28.7                    |                                    |
|                                | 8:45      | 5/19/2008  | 41.0                               | 26.0                               | 2.0                         | 31.0                    |                                    |
|                                | 13:20     | 5/30/2008  | 31.0                               | 23.6                               | 3.2                         | 42.2                    |                                    |
|                                | 8:35      | 6/12/2008  | 35.5                               | 20.0                               | 1.3                         | 43.2                    |                                    |
|                                | 8:45      | 6/25/2008  | 33.0                               | 24.8                               | 3.6                         | 38.6                    |                                    |
|                                | 10:45     | 7/7/2008   | 32.0                               | 27.0                               | 1.7                         | 39.3                    | opened GV-6 to 200 ft/min          |
|                                | 12:20     | 7/21/2008  | 34.5                               | 28.2                               | 1.5                         | 35.8                    |                                    |
|                                | 10:00     | 8/5/2008   | 34.5                               | 27.6                               | 2.1                         | 35.8                    |                                    |
|                                | 9:20      | 8/13/2008  | 36.5                               | 27.8                               | 2.8                         | 32.9                    | increase to 12 on 12 off           |
|                                | 9:05      | 8/19/2008  | 40.0                               | 29.6                               | 0.4                         | 30.0                    |                                    |
|                                | 14:40     | 9/2/2008   | 34.0                               | 29.6                               | 1.3                         | 35.1                    |                                    |
|                                | 11:49     | 10/3/2008  | 34.5                               | 29.4                               | 1.8                         | 34.3                    |                                    |
|                                | 10:25     | 10/13/2008 | 36.5                               | 29.8                               | 1.7                         | 32.0                    |                                    |
|                                | 9:35      | 10/28/2008 | 38.5                               | 30.2                               | 2.4                         | 28.9                    |                                    |
|                                | 8:00      | 11/6/2008  | 39.0                               | 30.4                               | 1.5                         | 29.1                    |                                    |
|                                | 10:55     | 12/8/2008  | 41.5                               | 32.2                               | 1.2                         | 25.1                    |                                    |
|                                | 9:50      | 12/24/2008 | 23.0                               | 20.8                               | 7.0                         | 49.2                    | decrease to 10 on                  |
|                                | 11:20     | 1/8/2009   | 25.0                               | 23.4                               | 5.1                         | 46.5                    |                                    |
|                                | 11:35     | 1/18/2009  | 13.5                               | 19.8                               | 5.5                         | 61.2                    |                                    |
|                                | 7:45      | 1/27/2009  | 35.5                               | 31.0                               | 0.7                         | 32.8                    |                                    |
|                                | 8:15      | 2/6/2009   | 26.5                               | 25.2                               | 3.5                         | 44.8                    |                                    |
|                                | 10:15     | 2/23/2009  | 23.5                               | 25.8                               | 2.0                         | 48.7                    | decrease to 8 on                   |
|                                | 9:50      | 3/9/2009   | 23.0                               | 23.8                               | 3.7                         | 49.5                    |                                    |
|                                | 9:40      | 3/20/2009  | 29.5                               | 28.6                               | 0.5                         | 41.4                    |                                    |
|                                | 12:25     | 4/9/2009   | 47.0                               | 18.6                               | 2.0                         | 32.4                    |                                    |
| 10:15                          | 4/19/2009 | 35.0       | 28.2                               | 0.3                                | 36.5                        |                         |                                    |
| 8:15                           | 5/4/2009  | 29.0       | 27.8                               | 0.3                                | 42.9                        |                         |                                    |
| 8:30                           | 5/18/2009 | 27.5       | 28.2                               | 0.0                                | 44.3                        |                         |                                    |
| 9:45                           | 6/1/2009  | 23.0       | 26.8                               | 0.0                                | 50.2                        |                         |                                    |
| 9:20                           | 6/14/2009 | 23.5       | 27.6                               | 0.0                                | 48.9                        |                         |                                    |
| 9:00                           | 7/2/2009  | 26.5       | 26.0                               | 1.3                                | 46.2                        |                         |                                    |
| 7:45                           | 7/13/2009 | 32.0       | 28.6                               | 0.0                                | 39.4                        |                         |                                    |
| 8:30                           | 7/22/2009 | 33.9       | 28.6                               | 0.0                                | 37.5                        |                         |                                    |
| 9:10                           | 8/11/2009 | 31.0       | 29.0                               | 0.0                                | 40.0                        |                         |                                    |
| 9:00                           | 8/24/2009 | 27.5       | 29.0                               | 0.0                                | 43.5                        | decrease to 6 on 18 off |                                    |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time       | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40 | Comments<br>target percentages |
|--------------------------|------------|------------|---------------------------------|---------------------------------|--------------------------|--------------|--------------------------------|
| LC-2                     | 9:45       | 9/8/2009   | 30.5                            | 29.6                            | 0.0                      | 39.9         |                                |
|                          | 9:38       | 9/21/2009  | 30.5                            | 27.0                            | 1.5                      | 41.0         |                                |
|                          | 10:40      | 10/5/2009  | 38.5                            | 30.8                            | 0.0                      | 30.7         |                                |
|                          | 10:50      | 10/28/2009 | 43.5                            | 31.8                            | 0.0                      | 24.7         |                                |
|                          | 11:15      | 11/16/2009 | 40.0                            | 30.6                            | 0.6                      | 28.8         |                                |
|                          | 9:50       | 12/18/2009 | 44.5                            | 33.0                            | 0.1                      | 22.4         |                                |
|                          | 8:50       | 12/28/2009 | 49.0                            | 33.2                            | 0.0                      | 17.8         |                                |
|                          | 9:00       | 1/11/2010  | 50.0                            | 33.4                            | 0.0                      | 16.6         |                                |
|                          | 8:39       | 1/26/2010  | 55.5                            | 33.6                            | 0.0                      | 10.9         |                                |
|                          | 11:50      | 2/25/2010  | 45.0                            | 27.8                            | 3.3                      | 23.9         |                                |
|                          | 9:40       | 3/8/2010   | 53.5                            | 31.8                            | 0.0                      | 14.7         |                                |
|                          | 9:10       | 3/22/2010  | 52.5                            | 30.8                            | 0.4                      | 16.3         |                                |
|                          | 9:15       | 4/5/2010   | 52.5                            | 30.8                            | 0.2                      | 16.5         |                                |
|                          | 9:30       | 4/19/2010  | 53.5                            | 31.0                            | 0.3                      | 16.5         |                                |
|                          | 9:30       | 5/3/2010   | 52.5                            | 30.8                            | 0.0                      | 16.7         |                                |
|                          | 10:10      | 5/17/2010  | 51.5                            | 30.6                            | 0.4                      | 17.5         |                                |
|                          | 9:10       | 5/25/2010  | 50.0                            | 30.8                            | 0.2                      | 19.0         |                                |
|                          | 9:30       | 6/24/2010  | 41.0                            | 27.8                            | 1.6                      | 29.6         |                                |
|                          | 10:30      | 7/6/2010   | 37.5                            | 27.8                            | 1.6                      | 33.1         |                                |
|                          | 9:18       | 7/19/2010  | 34.5                            | 27.4                            | 1.7                      | 36.4         |                                |
|                          | 9:20       | 8/2/2010   | 32.0                            | 27.4                            | 1.7                      | 38.9         |                                |
|                          | 10:05      | 8/16/2010  | 35.0                            | 29.0                            | 1.1                      | 34.9         |                                |
|                          | 9:10       | 8/30/2010  | 39.5                            | 30.4                            | 0.0                      | 30.1         |                                |
|                          | 9:26       | 9/13/2010  | 41.5                            | 30.6                            | 1.1                      | 26.8         |                                |
|                          | 10:00      | 9/28/2010  | 44.5                            | 31.0                            | 1.1                      | 23.4         |                                |
|                          | 8:12       | 10/12/2010 | 44.5                            | 31.0                            | 1.8                      | 22.7         |                                |
|                          | 9:37       | 10/25/2010 | 48.0                            | 32.2                            | 1.3                      | 18.5         |                                |
|                          | 9:36       | 11/2/2010  | 50.0                            | 32.6                            | 1.6                      | 15.8         |                                |
|                          | 9:15       | 11/15/2010 | 48.0                            | 32.4                            | 1.6                      | 18.0         |                                |
|                          | 9:55       | 12/10/2010 | 44.5                            | 32.2                            | 1.6                      | 21.7         |                                |
|                          | 9:15       | 12/23/2010 | 43.5                            | 32.6                            | 1.6                      | 22.3         |                                |
|                          | 9:30       | 1/10/2011  | 43                              | 31.4                            | 2.3                      | 23.3         |                                |
|                          | 11:45      | 2/11/2011  | 52.0                            | 30.8                            | 1.5                      | 15.7         |                                |
|                          | 9:30       | 2/22/2011  | 12.0                            | 8.4                             | 15.1                     | 64.5         |                                |
|                          | 9:05       | 3/7/2011   | 13.0                            | 9.2                             | 14.5                     | 63.3         |                                |
|                          | 12:10      | 3/24/2011  | 47.5                            | 31.0                            | 0.4                      | 21.1         |                                |
|                          | 9:15       | 4/6/2011   | 49.5                            | 30.8                            | 0.3                      | 19.4         |                                |
|                          | 8:08       | 4/25/2011  | 51.0                            | 29.4                            | 1.3                      | 18.3         |                                |
|                          | 9:08       | 5/9/2011   | 53.5                            | 29.8                            | 0.6                      | 16.1         |                                |
|                          | 9:31       | 5/23/2011  | 46.0                            | 25.8                            | 3.3                      | 24.9         |                                |
|                          | 11:05      | 6/6/2011   | 57.0                            | 30.0                            | 0.6                      | 12.4         |                                |
|                          | 9:21       | 6/15/2011  | 58.0                            | 30.6                            | 0.7                      | 10.7         |                                |
|                          | 9:30       | 7/5/2011   | 60.5                            | 30.2                            | 0.8                      | 8.5          |                                |
|                          | 8:10       | 7/13/2011  | 57.0                            | 28.4                            | 2.0                      | 12.6         |                                |
|                          | 8:30       | 7/26/2011  | 63.5                            | 30.6                            | 0.6                      | 5.3          |                                |
| 8:30                     | 8/8/2011   | 60.5       | 31.4                            | 0.6                             | 7.5                      |              |                                |
| 8:10                     | 8/23/2011  | 57.5       | 31.8                            | 0.7                             | 10                       |              |                                |
| 15:15                    | 9/9/2011   | 60.0       | 33.2                            | 0.9                             | 5.9                      |              |                                |
| 16:03                    | 9/15/2011  | 62.0       | 33.6                            | 1.1                             | 3.3                      |              |                                |
| 8:40                     | 9/21/2011  | 58.0       | 32.4                            | 1.5                             | 8.1                      |              |                                |
| 9:45                     | 9/21/2011  | 60.0       | 34.2                            | 0.8                             | 5                        |              |                                |
| 9:35                     | 9/22/2011  | 53.0       | 31.2                            | 2.7                             | 13.1                     |              |                                |
| 10:15                    | 9/22/2011  | 60.0       | 34.0                            | 1.1                             | 4.9                      |              |                                |
| 11:04                    | 9/22/2011  | 53.5       | 30.2                            | 3.0                             | 13.3                     |              |                                |
| 10:53                    | 10/3/2011  | 47.0       | 33.2                            | 1.1                             | 18.7                     |              |                                |
| 14:00                    | 10/24/2011 | 23.0       | 21.4                            | 4.6                             | 51                       |              |                                |
| 12:08                    | 10/26/2011 | 51.8       | 34.8                            | 0.6                             | 12.8                     |              |                                |
| 10:59                    | 11/7/2011  | 44.5       | 33.8                            | 0.5                             | 21.2                     |              |                                |
| 9:35                     | 11/14/2011 | 46.0       | 33.8                            | 0.2                             | 20                       |              |                                |
| 9:30                     | 12/12/2011 | 49.5       | 34.8                            | 0.3                             | 15.4                     |              |                                |
| 10:41                    | 12/27/2011 | 49.0       | 34.0                            | 0.2                             | 16.8                     |              |                                |

CH4 = Methane  
 CO2 = Carbon Dioxide  
 O2 = Oxygen  
 N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time       | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40 | Comments<br>target percentages |
|--------------------------|------------|------------|---------------------------------|---------------------------------|--------------------------|--------------|--------------------------------|
| LC-2                     | 9:00       | 1/10/2012  | 52.0                            | 34.4                            | 0.1                      | 13.5         |                                |
|                          | 10:00      | 1/25/2012  | 48.0                            | 34.8                            | 0.4                      | 16.8         |                                |
|                          | 9:35       | 2/20/2012  | 54.5                            | 33.6                            | 0.0                      | 11.9         |                                |
|                          | 9:30       | 3/8/2012   | 53.5                            | 31.6                            | 1.0                      | 13.9         |                                |
|                          | 10:30      | 4/2/2012   | 54.5                            | 31.2                            | 1.1                      | 13.2         |                                |
|                          | 9:25       | 4/16/2012  | 43.0                            | 25.4                            | 4.4                      | 27.2         |                                |
|                          | 9:30       | 4/30/2012  | 47.5                            | 28.2                            | 2.6                      | 21.7         |                                |
|                          | 9:35       | 5/14/2012  | 48.0                            | 28.2                            | 2.4                      | 21.4         |                                |
|                          | 9:30       | 5/29/2012  | 49.5                            | 29.0                            | 1.9                      | 19.6         |                                |
|                          | 8:04       | 6/11/2012  | 51.0                            | 29.2                            | 4.7                      | 15.1         |                                |
|                          | 9:59       | 6/25/2012  | 53.0                            | 29.6                            | 1.5                      | 15.9         |                                |
|                          | 9:15       | 7/9/2012   | 50.5                            | 28.6                            | 2.2                      | 18.7         |                                |
|                          | 8:55       | 7/23/2012  | 43.5                            | 29.2                            | 1.9                      | 25.4         |                                |
|                          | 8:15       | 7/25/2012  | 44.0                            | 29.4                            | 2.0                      | 24.6         |                                |
|                          | 9:21       | 8/6/2012   | 43.0                            | 30.2                            | 1.5                      | 25.3         |                                |
|                          | 9:50       | 8/21/2012  | 40.0                            | 30.0                            | 1.6                      | 28.4         |                                |
|                          | 9:30       | 9/4/2012   | 36.0                            | 29.4                            | 1.9                      | 32.7         |                                |
|                          | 10:00      | 10/1/2012  | 29.5                            | 27.6                            | 2.6                      | 40.3         |                                |
|                          | 8:48       | 10/15/2012 | 16.0                            | 15.8                            | 9.7                      | 58.5         |                                |
|                          | 8:05       | 12/6/2012  | 8.5                             | 6.6                             | 17.8                     | 67.1         | Using rental meter             |
|                          | 9:15       | 12/17/2012 | 7.2                             | 10.0                            | 14.9                     | 67.9         | Using rental meter             |
|                          | 9:20       | 12/31/2012 | 8.0                             | 6.6                             | 16.4                     | 69           | Using rental meter             |
|                          | 8:30       | 1/9/2013   | 40.0                            | 27.0                            | 1.9                      | 31.1         |                                |
|                          | 10:05      | 1/16/2013  | 42.0                            | 29.0                            | 1.2                      | 27.8         |                                |
|                          | 9:30       | 1/28/2013  | 57.5                            | 33.8                            | 0.2                      | 8.5          |                                |
|                          | 11:00      | 2/11/2013  | 59.0                            | 35.0                            | 0.6                      | 5.4          |                                |
|                          | 9:42       | 2/25/2013  | 53.5                            | 31.0                            | 2.6                      | 12.9         |                                |
|                          | 8:00       | 3/8/2013   | 63.0                            | 35.8                            | 0.1                      | 1.1          |                                |
|                          | 9:15       | 3/22/2013  | 56.0                            | 34.4                            | 0.6                      | 9.0          |                                |
|                          | 14:10      | 4/8/2013   | 52.0                            | 29.0                            | 0.5                      | 18.5         |                                |
|                          | 15:30      | 4/22/2013  | 49.5                            | 29.4                            | 0.5                      | 20.6         |                                |
|                          | 9:50       | 4/29/2013  | 43.0                            | 27.6                            | 0.5                      | 28.9         |                                |
|                          | 8:45       | 5/13/2013  | 38.0                            | 27.4                            | 1.2                      | 33.4         |                                |
|                          | 13:59      | 5/28/2013  | 33.0                            | 26.0                            | 1.6                      | 39.4         |                                |
|                          | 9:00       | 6/7/2013   | 31.5                            | 25.4                            | 2.1                      | 41.0         |                                |
|                          | 8:30       | 6/21/2013  | 30.5                            | 25.4                            | 1.7                      | 42.4         |                                |
|                          | 9:00       | 7/5/2013   | 29.5                            | 24.8                            | 1.8                      | 43.9         |                                |
|                          | 8:05       | 7/22/2013  | 29.5                            | 25.8                            | 1.5                      | 43.2         |                                |
|                          | 9:05       | 8/5/2013   | 29.5                            | 25.4                            | 2.6                      | 42.5         |                                |
|                          | 8:35       | 8/19/2013  | 31.0                            | 25.8                            | 2.0                      | 41.2         |                                |
|                          | 8:45       | 9/5/2013   | 13.5                            | 11.6                            | 12.5                     | 62.4         |                                |
|                          | 9:00       | 9/16/2013  | 12.5                            | 10.4                            | 13.4                     | 63.7         |                                |
|                          | 7:50       | 9/30/2013  | 19.5                            | 15.2                            | 10.4                     | 54.9         |                                |
|                          | 7:50       | 10/14/2013 | 26.5                            | 20.0                            | 7.7                      | 45.8         |                                |
|                          | 7:50       | 10/28/2013 | 23.0                            | 16.6                            | 9.8                      | 50.6         |                                |
|                          | 8:25       | 11/19/2013 | 32.5                            | 22.8                            | 5.9                      | 38.8         |                                |
|                          | 7:50       | 12/2/2013  | 37.5                            | 24.8                            | 5.0                      | 32.7         |                                |
|                          | 7:25       | 12/16/2013 | 22.0                            | 15.6                            | 11.3                     | 51.1         |                                |
| 7:13                     | 12/27/2013 | 44.5       | 29.2                            | 1.9                             | 24.4                     |              |                                |
| 7:16                     | 1/13/2014  | 48.5       | 29.0                            | 1.0                             | 21.5                     |              |                                |
| 7:40                     | 1/30/2014  | 49.5       | 30.0                            | 1.3                             | 19.2                     |              |                                |
| 7:45                     | 2/12/2014  | 51.0       | 30.6                            | 1.8                             | 16.6                     |              |                                |
| 8:08                     | 2/24/2014  | 49.0       | 28.0                            | 2.1                             | 20.9                     |              |                                |
| 8:20                     | 3/10/2014  | 53.0       | 29.6                            | 1.6                             | 15.8                     |              |                                |
| 8:30                     | 3/24/2014  | 43.5       | 23.4                            | 5.4                             | 27.7                     |              |                                |
| 7:40                     | 4/7/2014   | 49.5       | 26.2                            | 2.5                             | 21.8                     |              |                                |
| 10:53                    | 4/22/2014  | 45.5       | 25.4                            | 2.6                             | 26.5                     |              |                                |
| 8:05                     | 5/7/2014   | 48.0       | 27.8                            | 1.1                             | 23.1                     |              |                                |
| 8:00                     | 5/19/2014  | 49.0       | 27.8                            | 1.1                             | 22.1                     |              |                                |
| 7:25                     | 5/30/2014  | 47.5       | 27.8                            | 1.3                             | 23.4                     |              |                                |
| 7:50                     | 6/16/2014  | 42.5       | 27.2                            | 1.3                             | 29.0                     |              |                                |
| 8:15                     | 6/30/2014  | 32.5       | 26.2                            | 1.2                             | 40.1                     |              |                                |

CH4 = Methane  
CO2 = Carbon Dioxide  
O2 = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time       | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40 | Comments<br>target percentages |
|--------------------------|------------|------------|---------------------------------|---------------------------------|--------------------------|--------------|--------------------------------|
| LC-2                     | 8:16       | 7/14/2014  | 25.0                            | 25.2                            | 1.3                      | 48.5         |                                |
|                          | 8:19       | 7/28/2014  | 22.0                            | 25.6                            | 1.9                      | 50.5         |                                |
|                          | 8:32       | 8/11/2014  | 18.5                            | 24.0                            | 1.9                      | 55.6         |                                |
|                          | 13:00      | 8/25/2014  | 29.5                            | 24.2                            | 1.7                      | 44.6         |                                |
|                          | 8:00       | 9/8/2014   | 18.0                            | 23.6                            | 2.6                      | 55.8         |                                |
|                          | 7:40       | 9/22/2014  | 20.0                            | 24.4                            | 2.5                      | 53.1         |                                |
|                          | 8:10       | 10/7/2014  | 20.5                            | 24.0                            | 2.6                      | 52.9         |                                |
|                          | 8:05       | 10/20/2014 | 24.5                            | 24.6                            | 2.7                      | 48.2         |                                |
|                          | 7:58       | 11/3/2014  | 27.5                            | 25.2                            | 2.7                      | 44.6         |                                |
|                          | 7:40       | 11/17/2014 | 30.0                            | 25.8                            | 2.6                      | 41.6         |                                |
|                          | 7:46       | 12/2/2014  | 35.0                            | 26.6                            | 2.3                      | 36.1         |                                |
|                          | 7:25       | 12/15/2014 | 27.5                            | 22.0                            | 1.5                      | 49.0         | Blower Off                     |
|                          | 7:32       | 12/18/2014 | 37.5                            | 27.8                            | 2.5                      | 32.2         |                                |
|                          | 7:48       | 1/2/2015   | 39.5                            | 28.4                            | 2.8                      | 29.3         |                                |
|                          | 7:40       | 1/16/2015  | 43.0                            | 26.6                            | 2.1                      | 28.3         |                                |
|                          | 7:45       | 1/26/2015  | 44.5                            | 27.2                            | 1.4                      | 26.9         |                                |
|                          | 7:58       | 2/9/2015   | 43.5                            | 28.6                            | 2.1                      | 25.8         |                                |
|                          | 8:10       | 2/24/2015  | 45.5                            | 27.0                            | 1.7                      | 25.8         |                                |
|                          | 8:45       | 3/9/2015   | 47.0                            | 25.4                            | 1.9                      | 25.7         |                                |
|                          | 7:40       | 3/23/2015  | 43.0                            | 24.0                            | 2.9                      | 30.1         |                                |
|                          | 7:48       | 4/6/2015   | 40.0                            | 24.0                            | 2.0                      | 34.0         |                                |
|                          | 8:19       | 4/22/2015  | 32.7                            | 22.8                            | 2.5                      | 42.0         |                                |
|                          | 7:40       | 5/4/2015   | 33.0                            | 22.2                            | 2.3                      | 42.5         |                                |
|                          | 7:30       | 5/18/2015  | 33.0                            | 23.6                            | 1.9                      | 41.5         |                                |
|                          | 7:40       | 6/1/2015   | 32.5                            | 23.4                            | 2.4                      | 41.7         |                                |
|                          | 7:43       | 6/15/2015  | 32.0                            | 23.0                            | 2.0                      | 43.0         |                                |
|                          | 7:40       | 6/29/2015  | 32.0                            | 24.2                            | 1.9                      | 41.9         |                                |
|                          | 7:40       | 7/14/2015  | 30.5                            | 23.8                            | 2.1                      | 43.6         |                                |
|                          | 7:45       | 7/27/2015  | 30.5                            | 24.8                            | 1.5                      | 43.2         |                                |
|                          | 7:40       | 8/10/2015  | 28.5                            | 24.2                            | 1.8                      | 45.5         |                                |
|                          | 7:40       | 8/24/2015  | 28.0                            | 24.6                            | 1.9                      | 45.5         |                                |
|                          | 7:55       | 9/8/2015   | 27.0                            | 24.2                            | 2.4                      | 46.4         |                                |
|                          | 8:05       | 9/21/2015  | 27.0                            | 25.4                            | 2.2                      | 45.4         |                                |
|                          | 7:40       | 10/5/2015  | 27.5                            | 25.4                            | 2.1                      | 45.0         |                                |
|                          | 7:45       | 10/19/2015 | 28.0                            | 25.6                            | 2.1                      | 44.3         |                                |
|                          | 8:00       | 11/2/2015  | 27.5                            | 26.0                            | 2.8                      | 43.7         |                                |
|                          | 7:40       | 11/16/2015 | 30.0                            | 25.8                            | 2.0                      | 42.2         |                                |
|                          | 11:00      | 11/30/2015 | 29.5                            | 26.0                            | 2.7                      | 41.8         |                                |
|                          | 7:35       | 12/15/2015 | 35.0                            | 26.8                            | 2.1                      | 36.1         |                                |
|                          | 7:45       | 12/28/2015 | 37.5                            | 28.0                            | 1.4                      | 33.1         |                                |
|                          | 8:30       | 1/9/2016   | 36.5                            | 25.6                            | 2.2                      | 35.7         |                                |
|                          | 8:00       | 1/25/2016  | 41.0                            | 28.8                            | 1.5                      | 28.7         |                                |
|                          | 8:05       | 2/8/2016   | 37.5                            | 26.2                            | 1.9                      | 34.4         |                                |
|                          | 7:47       | 2/22/2016  | 42.5                            | 25.8                            | 1.7                      | 30.0         |                                |
|                          | 8:02       | 3/7/2016   | 41.0                            | 24.4                            | 1.4                      | 33.2         |                                |
|                          | 8:45       | 3/21/2016  | 43.5                            | 27.0                            | 1.0                      | 28.5         |                                |
|                          | 8:04       | 4/4/2016   | 41.5                            | 28.4                            | 1.1                      | 29.0         |                                |
| 8:18                     | 4/18/2016  | 41.5       | 25.6                            | 1.3                             | 31.6                     |              |                                |
| 9:26                     | 5/3/2016   | 41.5       | 25.8                            | 0.7                             | 32.0                     |              |                                |
| 8:00                     | 5/16/2016  | 42.9       | 26.2                            | 0.7                             | 30.2                     |              |                                |
| 7:55                     | 6/2/2016   | 43.5       | 26.4                            | 0.3                             | 29.8                     |              |                                |
| 8:00                     | 6/14/2016  | 45.5       | 27.0                            | 0.3                             | 27.2                     |              |                                |
| 8:00                     | 6/27/2016  | 47.0       | 26.6                            | 0.2                             | 26.2                     |              |                                |
| 10:25                    | 7/14/2016  | 46.5       | 27.2                            | 0.2                             | 26.1                     |              |                                |
| 8:00                     | 7/25/2016  | 45.5       | 28.8                            | 0.2                             | 25.5                     |              |                                |
| 7:55                     | 8/8/2016   | 44.0       | 28.2                            | 0.4                             | 27.4                     |              |                                |
| 7:50                     | 8/25/2016  | 42.0       | 28.6                            | 0.3                             | 29.1                     |              |                                |
| 7:35                     | 9/6/2016   | 39.5       | 28.2                            | 0.8                             | 31.5                     |              |                                |
| 10:15                    | 10/3/2016  | 36.0       | 28.6                            | 0.7                             | 34.7                     |              |                                |
| 8:25                     | 10/19/2016 | 33.5       | 27.8                            | 1.2                             | 37.5                     |              |                                |
| 8:58                     | 10/31/2016 | 33.0       | 27.6                            | 1.7                             | 37.7                     |              |                                |

CH4 = Methane

CO2 = Carbon Dioxide

O2 = Oxygen

N = Nitrogen



Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time  | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40 | Comments<br>target percentages       |
|--------------------------|-------|------------|---------------------------------|---------------------------------|--------------------------|--------------|--------------------------------------|
|                          | 8:13  | 11/14/2016 | 33.5                            | 27.2                            | 2.6                      | 36.7         |                                      |
|                          | 9:04  | 11/28/2016 | 33.0                            | 26.4                            | 2.5                      | 38.1         |                                      |
|                          | 9:16  | 12/9/2016  | 38.5                            | 29.2                            | 3.1                      | 29.2         |                                      |
|                          | 8:05  | 12/22/2016 | 36.5                            | 27.8                            | 2.4                      | 33.3         |                                      |
|                          | 8:05  | 1/4/2017   | 31.0                            | 23.8                            | 5.1                      | 40.1         |                                      |
|                          | 7:50  | 1/13/2017  | 36.2                            | 26.7                            | 2.6                      | 34.5         |                                      |
|                          | 7:45  | 1/27/2017  | 41.5                            | 28.6                            | 2.6                      | 27.3         |                                      |
|                          | 8:16  | 2/13/2017  | 43.0                            | 25.8                            | 2.7                      | 28.5         |                                      |
|                          | 8:15  | 2/27/2017  | 42.5                            | 24.4                            | 3.5                      | 29.6         |                                      |
|                          | 8:25  | 3/13/2017  | 46.0                            | 26.4                            | 2.8                      | 24.8         |                                      |
|                          | 7:45  | 3/28/2017  | 44.5                            | 25.8                            | 3.2                      | 26.5         |                                      |
|                          | 8:12  | 4/12/2017  | 47.5                            | 26.0                            | 2.5                      | 24.0         |                                      |
|                          | 7:35  | 4/18/2017  | 46.0                            | 25.8                            | 2.6                      | 25.6         |                                      |
|                          | 7:25  | 4/25/2017  | 48.0                            | 27.2                            | 2.2                      | 22.6         |                                      |
|                          | 7:38  | 5/8/2017   | 50.0                            | 27.0                            | 2.4                      | 20.6         |                                      |
|                          | 7:45  | 5/22/2017  | 44.0                            | 23.4                            | 4.1                      | 28.5         |                                      |
|                          | 8:00  | 6/5/2017   | 50.0                            | 27.0                            | 1.9                      | 21.1         |                                      |
|                          | 7:48  | 6/19/2017  | 47.0                            | 27.4                            | 1.6                      | 24.0         |                                      |
|                          | 8:34  | 7/4/2017   | 46.5                            | 29.0                            | 0.6                      | 23.9         |                                      |
|                          | 7:52  | 7/18/2017  | 44.5                            | 29.6                            | 0.2                      | 25.7         |                                      |
|                          | 7:56  | 8/1/2017   | 43.5                            | 29.6                            | 0.1                      | 26.8         |                                      |
|                          | 8:03  | 8/14/2017  | 44.5                            | 29.8                            | 0.3                      | 25.4         |                                      |
|                          | 8:15  | 8/29/2017  | 46.0                            | 30.2                            | 0.1                      | 23.7         |                                      |
|                          | 8:03  | 9/12/2017  | 46.5                            | 30.6                            | 0.3                      | 22.6         |                                      |
|                          | 8:15  | 9/25/2017  | 47.0                            | 30.8                            | 2.4                      | 19.8         |                                      |
|                          | 8:18  | 10/10/2017 | 49.0                            | 31.8                            | 0.7                      | 18.5         |                                      |
| LC-2                     | 7:57  | 10/23/2017 | 46.5                            | 30.6                            | 0.4                      | 22.5         |                                      |
|                          | 8:05  | 11/6/2017  | 46.5                            | 31.0                            | 1.8                      | 20.7         |                                      |
|                          | 8:11  | 11/17/2017 | 19.0                            | 21.0                            | 1.9                      | 58.1         |                                      |
|                          | 8:07  | 12/1/2017  | 47.0                            | 30.8                            | 0.8                      | 21.4         |                                      |
|                          | 8:17  | 12/18/2017 | 46.5                            | 30.4                            | 1.1                      | 22.0         |                                      |
|                          | 8:57  | 1/3/2018   | 43.5                            | 29.4                            | 1.2                      | 25.9         |                                      |
|                          | 8:03  | 1/11/2018  | 46.0                            | 29.4                            | 1.2                      | 23.4         |                                      |
|                          | 7:56  | 1/26/2018  | 35.0                            | 23.2                            | 4.6                      | 37.2         |                                      |
|                          | 8:27  | 2/13/2018  | 20.5                            | 20.4                            | 5.7                      | 53.4         |                                      |
|                          | 7:49  | 2/27/2018  | 27.0                            | 25.2                            | 2.1                      | 45.7         |                                      |
|                          | 7:49  | 3/13/2018  | 16.5                            | 15.8                            | 8.6                      | 59.1         |                                      |
|                          | 8:11  | 3/28/2018  | 26.0                            | 24.4                            | 1.7                      | 47.9         |                                      |
|                          | 8:23  | 4/10/2018  | 28.0                            | 25.2                            | 25.2                     | 21.6         |                                      |
|                          | 7:54  | 4/25/2018  | 30.5                            | 25.2                            | 0.7                      | 43.6         |                                      |
|                          | 8:11  | 5/8/2018   | 32.5                            | 24.8                            | 0.9                      | 41.8         |                                      |
|                          | 7:58  | 5/21/2018  | 33.5                            | 24.8                            | 0.9                      | 40.8         |                                      |
|                          | 8:15  | 6/5/2018   | 23.0                            | 17.4                            | 6.8                      | 52.8         |                                      |
|                          | 8:00  | 6/20/2018  | 35.0                            | 25.0                            | 0.8                      | 39.2         |                                      |
|                          | 8:10  | 6/28/2018  | 35.5                            | 25.0                            | 0.6                      | 38.9         |                                      |
|                          | 6:06  | 8/2/2018   | 28.8                            | 25.4                            | 2.1                      | 43.7         | Rental meter read "over" for methane |
|                          | 6:34  | 9/15/2018  | 43.5                            | 26.4                            | 1.9                      | 28.2         |                                      |
|                          | 8:40  | 9/26/2018  | 45.0                            | 27.2                            | 1.7                      | 26.1         |                                      |
|                          | 8:37  | 9/26/2018  | 32.5                            | 25.8                            | 3.0                      | 38.7         |                                      |
|                          | 11:08 | 10/26/2018 | 5.5                             | 3.8                             | 18.6                     | 72.1         |                                      |
|                          | 7:51  | 11/9/2018  | 0.1                             | 0                               | 20.9                     | 79.0         |                                      |
|                          | 7:26  | 11/21/2018 | 0.1                             | 0                               | 20.9                     | 79.1         |                                      |
|                          | 13:13 | 12/6/2018  | 25.5                            | 17.4                            | 9.5                      | 47.6         |                                      |
|                          | 13:04 | 12/20/2018 | 15.0                            | 10.4                            | 13.6                     | 61.0         |                                      |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time      | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40           | Comments<br>target percentages    |
|--------------------------|-----------|------------|---------------------------------|---------------------------------|--------------------------|------------------------|-----------------------------------|
| LC-3                     | 11:31     | 3/20/2006  | 62.3                            | 36.3                            | 0.5                      | 0.9                    | pre-startup                       |
|                          | 10:06     | 3/22/2006  | 55.9                            | 33.2                            | 3.5                      | 7.4                    |                                   |
|                          | 8:37      | 3/23/2006  | 53.5                            | 30.5                            | 3.4                      | 12.6                   |                                   |
|                          | 16:30     | 3/23/2006  | 59.9                            | 30.5                            | 2.0                      | 7.6                    |                                   |
|                          | 14:30     | 3/24/2006  | 8.6                             | 6.7                             | 17.0                     | 67.7                   |                                   |
|                          | 14:45     | 3/28/2006  | 21.1                            | 14.8                            | 12.0                     | 52.1                   |                                   |
|                          | 19:21     | 3/30/2006  | 51.2                            | 30.4                            | 1.6                      | 16.8                   |                                   |
|                          | 13:35     | 4/5/2006   | 30.7                            | 22.2                            | 6.6                      | 40.5                   |                                   |
|                          | 13:05     | 4/6/2006   | 19.0                            | 14.9                            | 11.9                     | 54.2                   |                                   |
|                          | 13:20     | 4/11/2006  | 36.9                            | 26.6                            | 3.5                      | 33.0                   |                                   |
|                          | 10:49     | 4/14/2006  | 38.2                            | 27.8                            | 1.0                      | 33.0                   |                                   |
|                          | 15:30     | 4/14/2006  | 37.7                            | 28.8                            | 1.2                      | 32.3                   |                                   |
|                          | 10:10     | 4/17/2006  | 10.5                            | 0.6                             | 0.8                      | 88.1                   |                                   |
|                          | 19:38     | 4/27/2006  | 27.6                            | 23.6                            | 0.5                      | 48.3                   |                                   |
|                          | 13:20     | 5/4/2006   | 0.0                             | 0.0                             | 8.8                      | 91.2                   |                                   |
|                          | 10:25     | 5/22/2006  | 9.6                             | 15.7                            | 8.9                      | 65.8                   |                                   |
|                          | 14:41     | 6/2/2006   | 0.6                             | 0.1                             | 20.4                     | 78.9                   |                                   |
|                          | 8:29      | 6/9/2006   | 22.5                            | 31.2                            | 4.0                      | 42.3                   |                                   |
|                          | 12:42     | 6/14/2006  | 20.5                            | 15.6                            | 3.2                      | 60.7                   |                                   |
|                          | 10:51     | 6/22/2006  | 13.1                            | 28.7                            | 3.5                      | 54.7                   |                                   |
|                          | 12:23     | 7/5/2006   | 13.0                            | 29.6                            | 1.9                      | 55.5                   |                                   |
|                          | 11:38     | 7/10/2006  | 0.0                             | 0.0                             | 1.7                      | 98.3                   |                                   |
|                          | 10:17     | 7/17/2006  | 11.9                            | 28.3                            | 1.8                      | 58.0                   |                                   |
|                          | 14:09     | 7/28/2006  | 16.3                            | 28.7                            | 1.5                      | 53.5                   |                                   |
|                          | 10:02     | 8/8/2006   | 11.4                            | 28.8                            | 1.5                      | 58.3                   |                                   |
|                          | 9:10      | 8/16/2006  | 11.9                            | 28.4                            | 1.4                      | 58.3                   |                                   |
|                          | 8:27      | 8/21/2006  | 2.4                             | 5.8                             | 1.8                      | 90.0                   |                                   |
|                          | 14:14     | 8/28/2006  | 12.1                            | 10.2                            | 1.4                      | 76.3                   |                                   |
|                          | 11:26     | 9/13/2006  | 6.8                             | 11.8                            | 1.7                      | 79.7                   |                                   |
|                          | 11:25     | 9/25/2006  | 10.1                            | 0.4                             | 1.9                      | 87.6                   |                                   |
|                          | 8:25      | 10/10/2006 | 10.8                            | 29.6                            | 2.7                      | 56.9                   |                                   |
|                          | 8:26      | 10/23/2006 | 10.9                            | 29.4                            | 3.9                      | 55.8                   |                                   |
|                          | 14:12     | 11/2/2006  | 9.5                             | 23.4                            | 0.4                      | 66.7                   |                                   |
|                          | 15:09     | 11/14/2006 | 2.5                             | 0.0                             | 20.0                     | 77.5                   |                                   |
|                          | 12:00     | 11/27/2006 | 0.3                             | 1.2                             | 18.9                     | 79.7                   |                                   |
|                          | 13:10     | 12/26/2006 | 13.5                            | 21.2                            | 3.3                      | 62.0                   |                                   |
|                          | 14:20     | 1/27/2007  | 13.0                            | 21.4                            | 1.9                      | 63.7                   |                                   |
|                          | 11:40     | 2/24/2007  | 4.3                             | 0.2                             | 19.7                     | 75.9                   |                                   |
|                          | 11:22     | 3/1/2007   | 12.0                            | 19.6                            | 4.1                      | 64.3                   |                                   |
|                          | 12:30     | 3/1/2007   | 11.5                            | 19.2                            | 4.2                      | 65.1                   |                                   |
|                          | 14:32     | 3/1/2007   | 11.5                            | 18.8                            | 4.1                      | 65.6                   |                                   |
|                          | 7:50      | 3/5/2007   | 0.3                             | 0.0                             | 20.3                     | 79.5                   | adjust blower time, 12 on, 12 off |
|                          | 7:50      | 3/24/2007  | 15.0                            | 19.2                            | 4.1                      | 61.7                   |                                   |
| 16:34                    | 3/24/2007 | 14.5       | 19.2                            | 4.0                             | 62.3                     |                        |                                   |
| 16:48                    | 3/26/2007 | 12.5       | 18.6                            | 3.6                             | 65.3                     |                        |                                   |
| 7:09                     | 3/27/2007 | 12.0       | 19.2                            | 3.5                             | 65.3                     |                        |                                   |
| 16:45                    | 3/28/2007 | 13.0       | 19.8                            | 3.6                             | 63.6                     |                        |                                   |
| 7:40                     | 3/29/2007 | 12.0       | 19.2                            | 3.7                             | 65.1                     |                        |                                   |
| 16:43                    | 3/29/2007 | 12.0       | 19.2                            | 3.8                             | 65.0                     |                        |                                   |
| 7:45                     | 3/30/2007 | 7.0        | 12.6                            | 8.0                             | 72.4                     | blower off             |                                   |
| 11:30                    | 5/30/2007 | 29.0       | 22.8                            | 3.0                             | 45.2                     | restart and run 24 hrs |                                   |
| 13:52                    | 5/30/2007 | 30.5       | 22.8                            | 3.2                             | 43.5                     |                        |                                   |
| 10:10                    | 5/31/2007 | 23.5       | 21.2                            | 2.9                             | 52.4                     | reduce to 12 on 12 off |                                   |
| 16:10                    | 6/1/2007  | 21.5       | 20.8                            | 2.8                             | 54.9                     |                        |                                   |
| 15:13                    | 6/2/2007  | 20.0       | 19.4                            | 3.6                             | 57.0                     |                        |                                   |
| 15:44                    | 6/3/2007  | 19.0       | 20.2                            | 2.8                             | 58.0                     |                        |                                   |
| 13:45                    | 6/4/2007  | 18.0       | 19.8                            | 3.0                             | 59.2                     | reduce to 6 on 18 off  |                                   |
| 14:27                    | 6/7/2007  | 23.0       | 22.2                            | 2.8                             | 52.0                     |                        |                                   |
| 16:15                    | 6/12/2007 | 14.0       | 19.4                            | 3.1                             | 63.5                     |                        |                                   |
| 13:58                    | 6/14/2007 | 14.5       | 19.2                            | 3.1                             | 63.2                     |                        |                                   |
| 13:35                    | 6/19/2007 | 14.5       | 19.6                            | 3.0                             | 62.9                     |                        |                                   |
| 13:40                    | 6/21/2007 | 14.0       | 19.2                            | 3.2                             | 63.6                     |                        |                                   |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time      | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40            | Comments<br>target percentages |
|--------------------------|-----------|------------|---------------------------------|---------------------------------|--------------------------|-------------------------|--------------------------------|
| LC-3                     | 13:20     | 7/11/2007  | 14.0                            | 19.2                            | 3.3                      | 63.5                    |                                |
|                          | 13:10     | 7/23/2007  | 13.0                            | 19.0                            | 3.4                      | 64.6                    |                                |
|                          | 14:04     | 8/8/2007   | 13.0                            | 19.4                            | 3.4                      | 64.2                    |                                |
|                          | 13:50     | 8/13/2007  | 14.0                            | 21.6                            | 2.1                      | 62.3                    |                                |
|                          | 13:10     | 8/20/2007  | 11.8                            | 19.8                            | 2.7                      | 65.7                    |                                |
|                          | 13:35     | 8/28/2007  | 11.5                            | 19.2                            | 2.8                      | 66.5                    |                                |
|                          | 15:20     | 8/31/2007  | 8.5                             | 18.0                            | 3.5                      | 70.0                    |                                |
|                          | 14:15     | 9/4/2007   | 7.0                             | 17.0                            | 3.9                      | 72.1                    |                                |
|                          | 12:45     | 9/17/2007  | 5.5                             | 15.8                            | 4.7                      | 74.0                    |                                |
|                          | 9:05      | 9/29/2007  | 5.0                             | 16.2                            | 4.6                      | 74.2                    |                                |
|                          | 8:05      | 10/4/2007  | 5.5                             | 16.0                            | 4.6                      | 73.9                    |                                |
|                          | 9:05      | 10/7/2007  | 6.0                             | 16.4                            | 4.2                      | 73.4                    |                                |
|                          | 9:20      | 10/18/2007 | 7.5                             | 16.8                            | 3.6                      | 72.1                    |                                |
|                          | 8:25      | 10/25/2007 | 6.5                             | 16.6                            | 4.2                      | 72.7                    |                                |
|                          | 8:40      | 11/1/2007  | 7.5                             | 16.8                            | 4.3                      | 71.4                    |                                |
|                          | 9:45      | 11/13/2007 | 11.5                            | 16.2                            | 5.5                      | 66.8                    |                                |
|                          | 10:55     | 11/26/2007 | 7.0                             | 14.4                            | 6.4                      | 72.2                    |                                |
|                          | 10:20     | 12/10/2007 | 7.0                             | 14.6                            | 6.8                      | 71.6                    |                                |
|                          | 11:05     | 12/26/2007 | 7.5                             | 14.4                            | 6.4                      | 71.7                    |                                |
|                          | 9:30      | 1/9/2008   | 8.5                             | 14.6                            | 6.6                      | 70.3                    |                                |
|                          | 11:50     | 1/23/2008  | 7.5                             | 14.4                            | 7.3                      | 70.8                    |                                |
|                          | 8:40      | 2/4/2008   | 10.0                            | 15.6                            | 6.1                      | 68.3                    |                                |
|                          | 7:10      | 2/18/2008  | 12.5                            | 15.4                            | 6.8                      | 65.3                    |                                |
|                          | 7:40      | 3/4/2008   | 17.5                            | 17.8                            | 7.5                      | 57.2                    |                                |
|                          | 8:15      | 3/18/2008  | 20.0                            | 17.6                            | 6.2                      | 56.2                    |                                |
|                          | 13:35     | 5/12/2008  | 20.0                            | 19.6                            | 4.5                      | 55.9                    |                                |
|                          | 8:45      | 5/19/2008  | 11.5                            | 16.6                            | 5.6                      | 66.3                    |                                |
|                          | 13:10     | 5/30/2008  | 10.0                            | 16.2                            | 5.1                      | 68.7                    |                                |
|                          | 8:25      | 6/12/2008  | 9.5                             | 17.4                            | 5.2                      | 67.9                    |                                |
|                          | 8:35      | 6/25/2008  | 14.5                            | 19.8                            | 4.3                      | 61.4                    |                                |
|                          | 10:35     | 7/7/2008   | 10.5                            | 17.0                            | 4.9                      | 67.6                    | opened GV-6 to 200 ft/min      |
|                          | 12:15     | 7/21/2008  | 10.5                            | 19.0                            | 4.1                      | 66.4                    |                                |
|                          | 10:00     | 8/5/2008   | 12.5                            | 19.2                            | 4.2                      | 64.1                    |                                |
|                          | 9:15      | 8/13/2008  | 13.5                            | 19.6                            | 4.3                      | 62.6                    | increase to 12 on 12 off       |
|                          | 8:55      | 8/19/2008  | 9.5                             | 18.4                            | 4.6                      | 67.5                    |                                |
|                          | 14:25     | 9/2/2008   | 11.5                            | 18.4                            | 4.4                      | 65.7                    |                                |
|                          | 12:12     | 10/3/2008  | 12.5                            | 19.0                            | 4.8                      | 63.7                    |                                |
|                          | 10:15     | 10/13/2008 | 13.0                            | 19.0                            | 4.9                      | 63.1                    |                                |
|                          | 9:25      | 10/28/2008 | 13.5                            | 19.6                            | 5.4                      | 61.5                    |                                |
|                          | 7:50      | 11/6/2008  | 13.5                            | 19.2                            | 5.1                      | 62.2                    |                                |
|                          | 10:40     | 12/8/2008  | 12.0                            | 18.8                            | 5.6                      | 63.6                    |                                |
|                          | 9:40      | 12/24/2008 | 10.0                            | 17.4                            | 5.2                      | 67.4                    | decrease to 10 on              |
|                          | 11:10     | 1/8/2009   | 9.5                             | 17.0                            | 5.5                      | 68.0                    |                                |
| 11:45                    | 1/18/2009 | 29.5       | 22.6                            | 7.4                             | 40.5                     |                         |                                |
| 8:05                     | 2/6/2009  | 8.5        | 16.0                            | 5.8                             | 69.7                     | 1/27/09 ice in port     |                                |
| 10:05                    | 2/23/2009 | 6.5        | 16.2                            | 5.7                             | 71.6                     | decrease to 8 on        |                                |
| 9:40                     | 3/9/2009  | 11.0       | 17.0                            | 5.2                             | 66.8                     |                         |                                |
| 9:30                     | 3/20/2009 | 13.5       | 17.6                            | 5.3                             | 63.6                     |                         |                                |
| 11:25                    | 4/9/2009  | 17.5       | 18.8                            | 4.9                             | 58.8                     |                         |                                |
| 10:10                    | 4/19/2009 | 11.0       | 17.2                            | 5.3                             | 66.5                     |                         |                                |
| 8:40                     | 5/4/2009  | 4.2        | 17.4                            | 3.3                             | 75.2                     |                         |                                |
| 8:45                     | 5/18/2009 | 7.5        | 16.4                            | 5.5                             | 70.6                     |                         |                                |
| 10:10                    | 6/1/2009  | 3.8        | 16.0                            | 4.3                             | 76.0                     |                         |                                |
| 9:10                     | 6/14/2009 | 7.5        | 16.0                            | 5.3                             | 71.2                     |                         |                                |
| 8:55                     | 7/2/2009  | 15.8       | 18.0                            | 4.5                             | 61.7                     |                         |                                |
| 7:35                     | 7/13/2009 | 15.5       | 19.0                            | 4.4                             | 61.1                     |                         |                                |
| 8:35                     | 7/22/2009 | 11.5       | 18.0                            | 4.8                             | 65.7                     |                         |                                |
| 9:00                     | 8/11/2009 | 9.0        | 17.2                            | 4.7                             | 69.1                     |                         |                                |
| 8:50                     | 8/24/2009 | 7.0        | 15.8                            | 5.7                             | 71.5                     | decrease to 6 on 18 off |                                |
| 9:35                     | 9/8/2009  | 12.0       | 17.4                            | 4.8                             | 65.8                     |                         |                                |
| 9:28                     | 9/21/2009 | 14.5       | 18.6                            | 4.8                             | 62.1                     |                         |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time       | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40 | Comments<br>target percentages |
|--------------------------|------------|------------|---------------------------------|---------------------------------|--------------------------|--------------|--------------------------------|
| LC-3                     | 10:25      | 10/5/2009  | 16.5                            | 19.2                            | 4.9                      | 59.4         |                                |
|                          | 11:05      | 10/28/2009 | 18.5                            | 20.4                            | 4.7                      | 56.4         |                                |
|                          | 11:05      | 11/16/2009 | 12.5                            | 18.6                            | 5.5                      | 63.4         |                                |
|                          | 9:35       | 12/18/2009 | 25.0                            | 23.2                            | 4.0                      | 47.8         |                                |
|                          | 9:20       | 12/28/2009 | 25.0                            | 22.4                            | 5.0                      | 47.6         |                                |
|                          | 9:20       | 1/11/2010  | 24.5                            | 23.4                            | 4.4                      | 47.7         |                                |
|                          | 8:20       | 1/26/2010  | 27.5                            | 23.6                            | 4.4                      | 44.5         |                                |
|                          | 11:45      | 2/25/2010  | 24.0                            | 23.2                            | 4.3                      | 48.5         |                                |
|                          | 10:04      | 3/8/2010   | 25.0                            | 23.0                            | 3.9                      | 48.1         |                                |
|                          | 9:30       | 3/22/2010  | 24.0                            | 22.0                            | 4.5                      | 49.5         |                                |
|                          | 9:35       | 4/5/2010   | 24.9                            | 22.6                            | 4.0                      | 48.5         |                                |
|                          | 9:21       | 4/19/2010  | 24.5                            | 22.2                            | 4.4                      | 48.9         |                                |
|                          | 9:31       | 5/3/2010   | 26.5                            | 22.6                            | 4.0                      | 46.9         |                                |
|                          | 9:59       | 5/17/2010  | 26.0                            | 22.4                            | 4.3                      | 47.3         |                                |
|                          | 8:55       | 5/25/2010  | 22.0                            | 22.2                            | 3.4                      | 52.4         |                                |
|                          | 9:20       | 6/24/2010  | 22.5                            | 21.0                            | 1.4                      | 55.1         |                                |
|                          | 10:20      | 7/6/2010   | 17.0                            | 19.8                            | 4.5                      | 58.7         |                                |
|                          | 9:14       | 7/19/2010  | 15.5                            | 19.0                            | 4.7                      | 60.8         |                                |
|                          | 9:10       | 8/2/2010   | 10.5                            | 18.6                            | 4.7                      | 66.2         |                                |
|                          | 10:00      | 8/16/2010  | 18.5                            | 19.8                            | 4.2                      | 57.5         |                                |
|                          | 9:05       | 8/30/2010  | 24.5                            | 22.0                            | 3.0                      | 50.5         |                                |
|                          | 9:15       | 9/13/2010  | 27.0                            | 22.4                            | 4.3                      | 46.3         |                                |
|                          | 9:18       | 9/28/2010  | 27.0                            | 22.6                            | 4.7                      | 45.7         |                                |
|                          | 8:17       | 10/12/2010 | 24.5                            | 22.4                            | 5.0                      | 48.1         |                                |
|                          | 9:30       | 10/25/2010 | 24.5                            | 22.2                            | 4.7                      | 48.6         |                                |
|                          | 9:45       | 11/2/2010  | 22.0                            | 21.8                            | 5.4                      | 50.8         |                                |
|                          | 9:06       | 11/15/2010 | 21.5                            | 21.2                            | 1.7                      | 55.6         |                                |
|                          | 9:50       | 12/10/2010 | 20.0                            | 20.6                            | 5.7                      | 53.7         |                                |
|                          | 9:10       | 12/23/2010 | 19.5                            | 21.2                            | 5.9                      | 53.4         |                                |
|                          | 9:25       | 1/10/2011  | 20.5                            | 20.8                            | 6                        | 52.7         |                                |
|                          | 8:41       | 1/25/2011  | 18.5                            | 18.8                            | 7.4                      | 55.3         |                                |
|                          | 12:30      | 2/11/2011  | 29.5                            | 21.6                            | 6.1                      | 42.8         |                                |
|                          | 10:15      | 2/22/2011  | 15.5                            | 17.0                            | 7.7                      | 59.8         |                                |
|                          | 9:30       | 3/7/2011   | 15.5                            | 17.4                            | 7.1                      | 60.0         |                                |
|                          | 12:00      | 3/24/2011  | 23.0                            | 20.6                            | 4.9                      | 51.5         |                                |
|                          | 9:05       | 4/6/2011   | 31.0                            | 21.6                            | 4.9                      | 42.5         |                                |
|                          | 8:04       | 4/25/2011  | 31.0                            | 21.2                            | 5.6                      | 42.2         |                                |
|                          | 9:00       | 5/9/2011   | 37.5                            | 23.0                            | 4.5                      | 35.0         |                                |
|                          | 9:20       | 5/23/2011  | 39.5                            | 24.0                            | 4.2                      | 32.3         |                                |
|                          | 11:00      | 6/6/2011   | 40.5                            | 24.4                            | 4.1                      | 31.0         |                                |
|                          | 9:15       | 6/15/2011  | 40.5                            | 24.4                            | 4.0                      | 31.1         |                                |
|                          | 9:20       | 7/5/2011   | 39.0                            | 24.6                            | 3.6                      | 32.8         |                                |
|                          | 8:13       | 7/13/2011  | 38.5                            | 24.6                            | 3.5                      | 33.4         |                                |
|                          | 8:15       | 7/26/2011  | 37.5                            | 24.4                            | 3.5                      | 34.6         |                                |
|                          | 8:25       | 8/8/2011   | 31.5                            | 23.4                            | 3.4                      | 41.7         |                                |
|                          | 8:00       | 8/23/2011  | 28.5                            | 22.4                            | 3.9                      | 45.2         |                                |
|                          | 15:21      | 9/9/2011   | 34.0                            | 24.6                            | 3.9                      | 37.5         |                                |
| 16:03                    | 9/15/2011  | 27.5       | 23.0                            | 4.7                             | 44.8                     |              |                                |
| 8:35                     | 9/21/2011  | 25.0       | 21.8                            | 4.7                             | 48.5                     |              |                                |
| 9:42                     | 9/21/2011  | 25.0       | 21.4                            | 4.9                             | 48.7                     |              |                                |
| 9:33                     | 9/22/2011  | 26.0       | 22.2                            | 4.8                             | 47.0                     |              |                                |
| 10:13                    | 9/22/2011  | 26.0       | 21.8                            | 5.1                             | 47.1                     |              |                                |
| 10:59                    | 9/22/2011  | 27.5       | 22.6                            | 4.6                             | 45.3                     |              |                                |
| 10:50                    | 10/3/2011  | 18.0       | 20.2                            | 5.1                             | 56.7                     |              |                                |
| 14:05                    | 10/24/2011 | 41.0       | 28.6                            | 3.7                             | 26.7                     |              |                                |
| 11:08                    | 10/26/2011 | 24.5       | 22.0                            | 5.0                             | 48.5                     |              |                                |
| 10:52                    | 11/7/2011  | 21.5       | 21.4                            | 4.7                             | 52.4                     |              |                                |
| 9:27                     | 11/14/2011 | 23.5       | 21.8                            | 4.4                             | 50.3                     |              |                                |
| 9:37                     | 12/12/2011 | 23.0       | 22.2                            | 4.7                             | 50.1                     |              |                                |
| 10:30                    | 12/27/2011 | 28.0       | 23.0                            | 4.2                             | 44.8                     |              |                                |
| 8:51                     | 1/10/2012  | 32.5       | 24.0                            | 4.2                             | 39.3                     |              |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time       | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40                          | Comments<br>target percentages      |
|--------------------------|------------|------------|---------------------------------|---------------------------------|--------------------------|---------------------------------------|-------------------------------------|
| LC-3                     | 9:55       | 1/25/2012  | 33.0                            | 26.0                            | 4.2                      | 36.8                                  |                                     |
|                          | 9:29       | 2/20/2012  | 37.5                            | 25.8                            | 5.0                      | 31.7                                  |                                     |
|                          | 9:21       | 3/8/2012   | 36.5                            | 24.8                            | 5.5                      | 33.2                                  |                                     |
|                          | 9:00       | 4/2/2012   | 32.0                            | 24.4                            | 4.7                      | 38.9                                  |                                     |
|                          | 9:15       | 4/16/2012  | 29.5                            | 22.8                            | 5.0                      | 42.7                                  |                                     |
|                          | 9:25       | 4/30/2012  | 25.0                            | 21.8                            | 5.3                      | 47.9                                  |                                     |
|                          | 9:25       | 5/14/2012  | 27.0                            | 22.2                            | 5.0                      | 45.8                                  |                                     |
|                          | 9:18       | 5/29/2012  | 30.9                            | 23.0                            | 4.5                      | 41.6                                  |                                     |
|                          | 7:59       | 6/11/2012  | 31.5                            | 23.4                            | 4.4                      | 40.7                                  |                                     |
|                          | 9:53       | 6/25/2012  | 33.5                            | 24.4                            | 4.0                      | 38.1                                  |                                     |
|                          | 9:10       | 7/9/2012   | 32.5                            | 24.6                            | 3.5                      | 39.4                                  |                                     |
|                          | 8:47       | 7/23/2012  | 19.0                            | 21.0                            | 4.2                      | 55.8                                  |                                     |
|                          | 8:11       | 7/25/2012  | 19.0                            | 21.0                            | 4.4                      | 55.6                                  |                                     |
|                          | 9:10       | 8/6/2012   | 19.0                            | 21.4                            | 4.2                      | 55.4                                  |                                     |
|                          | 9:40       | 8/21/2012  | 19.0                            | 20.6                            | 4.8                      | 55.6                                  |                                     |
|                          | 9:21       | 9/4/2012   | 14.5                            | 19.8                            | 4.5                      | 61.2                                  |                                     |
|                          | 8:17       | 10/1/2012  | 10.5                            | 16.4                            | 6.6                      | 66.5                                  | reduce from 23 hrs to 16.5 hrs on   |
|                          | 8:40       | 10/15/2012 | 9.0                             | 12.0                            | 9.9                      | 69.1                                  | reduce from 16.5 hrs to 8.5 hrs on  |
|                          | 7:50       | 12/6/2012  | 18.5                            | 20.0                            | 5.2                      | 56.3                                  | reduce from 8.5 hrs to 4 hrs on     |
|                          | 9:10       | 12/17/2012 | 22.5                            | 20.2                            | 4.5                      | 52.8                                  | reduce from 4 hrs to 2 hrs on       |
|                          | 9:10       | 12/31/2012 | 26.0                            | 22.4                            | 4.5                      | 47.1                                  |                                     |
|                          | 8:30       | 1/9/2013   | 28.0                            | 22.6                            | 4.3                      | 45.1                                  | Increase from 2 hrs to 4 hrs on     |
|                          | 9:40       | 1/15/2013  | 29.0                            | 22.6                            | 3.9                      | 44.5                                  | Increase from 4 hrs to 8 hrs on     |
|                          | 9:17       | 1/28/2013  | 27.5                            | 22.8                            | 4.3                      | 45.4                                  | Increase from 8 hrs to 12 hrs on    |
|                          | 11:05      | 2/11/2013  | 27.0                            | 20.2                            | 7.2                      | 45.6                                  | Reduce from 12 hrs to 9 hrs on      |
|                          | 9:30       | 2/25/2013  | 42.0                            | 27.8                            | 3.1                      | 27.1                                  | Increase from 9 hrs to 18 hrs on    |
|                          | 7:50       | 3/8/2013   | 53.0                            | 33.0                            | 0.0                      | 14.0                                  | Increase from 18 hrs to 23.5 hrs on |
|                          | 9:08       | 3/22/2013  | 54.5                            | 33.6                            | 0.1                      | 11.8                                  |                                     |
|                          | 13:55      | 4/8/2013   | 30.0                            | 23.4                            | 4.1                      | 42.5                                  |                                     |
|                          | 15:25      | 4/22/2013  | 21.5                            | 4.0                             | 3.9                      | 70.6                                  |                                     |
|                          | 9:44       | 4/29/2013  | 18.5                            | 19.6                            | 4.1                      | 57.8                                  |                                     |
|                          | 8:37       | 5/13/2013  | 16.5                            | 19.0                            | 4.9                      | 59.6                                  |                                     |
|                          | 13:48      | 5/28/2013  | 16.5                            | 18.8                            | 4.4                      | 60.3                                  |                                     |
|                          | 9:05       | 6/7/2013   | 17.0                            | 19.0                            | 4.5                      | 59.5                                  |                                     |
|                          | 8:25       | 6/21/2013  | 16.0                            | 18.4                            | 4.5                      | 61.1                                  |                                     |
|                          | 8:55       | 7/5/2013   | 15.5                            | 18.2                            | 4.5                      | 61.8                                  |                                     |
|                          | 8:00       | 7/22/2013  | 16.0                            | 19.0                            | 4.3                      | 60.7                                  |                                     |
|                          | 9:00       | 8/5/2013   | 16.0                            | 10.4                            | 5.3                      | 68.3                                  | Reduce from 10 hrs to 9 hrs on      |
|                          | 8:30       | 8/19/2013  | 17.5                            | 18.8                            | 4.9                      | 58.8                                  |                                     |
|                          | 8:40       | 9/5/2013   | 9.5                             | 10.2                            | 12.3                     | 68.0                                  | Reduce from 9 hrs to 4 hrs on       |
|                          | 8:55       | 9/16/2013  | 10.5                            | 10.2                            | 12.8                     | 66.5                                  | Reduce from 4 hrs to 2 hrs on       |
|                          | 7:45       | 9/30/2013  | 17.0                            | 14.0                            | 10.2                     | 58.8                                  | Reduce from 2 hrs to 1 hr on        |
|                          | 7:45       | 10/14/2013 | 23.5                            | 18.0                            | 8.4                      | 50.1                                  | Reduce from 1 hr to 0.5 hr on       |
| 7:45                     | 10/28/2013 | 21.5       | 15.4                            | 10.3                            | 52.8                     | Reduce from 0.5 hr to 0.25 hr on      |                                     |
| 8:17                     | 11/19/2013 | 31.0       | 21.8                            | 7.4                             | 39.8                     | Increase from 0.25 hr to 1 hr on      |                                     |
| 7:40                     | 12/2/2013  | 32.0       | 22.8                            | 6.6                             | 38.6                     | Reduce from 1 hr to 0.75 hr on        |                                     |
| 7:20                     | 12/16/2013 | 20.5       | 16.0                            | 11.1                            | 52.4                     | Reduce from 0.75 hr to 0.3 hr on      |                                     |
| 7:10                     | 12/27/2013 | 34.5       | 25.2                            | 5.2                             | 35.1                     | Reduce from 0.3 hr to 0.25 hr on      |                                     |
| 7:12                     | 1/13/2014  | 39.5       | 26.4                            | 3.6                             | 30.5                     | Increase from 0.25 hr to 1 hr on      |                                     |
| 7:20                     | 1/30/2014  | 37.0       | 26.6                            | 4.2                             | 32.2                     | Increase from 1 hr to 2 hr on         |                                     |
| 7:40                     | 2/12/2014  | 33.5       | 25.6                            | 4.3                             | 36.6                     | Increase from 2 hrs on to 8 hr on     |                                     |
| 8:57                     | 2/24/2014  | 31.0       | 23.6                            | 5.2                             | 40.2                     | Reduce from 8 hr on to 7 hr on        |                                     |
| 8:30                     | 3/10/2014  | 33.0       | 24.2                            | 4.2                             | 38.6                     | Increase from 7 hr on to 10hr on      |                                     |
| 8:20                     | 3/24/2014  | 23.5       | 18.8                            | 6.9                             | 50.8                     | Reduce from 10 hr on to 6 hr on       |                                     |
| 7:35                     | 4/7/2014   | 27.0       | 21.0                            | 4.5                             | 47.5                     | Increase from 6 hr on to 7 hr on      |                                     |
| 10:50                    | 4/22/2014  | 23.5       | 20.2                            | 4.5                             | 51.8                     | Increase from 7 hr on to 8 hr on      |                                     |
| 7:57                     | 5/7/2014   | 25.5       | 21.0                            | 4.1                             | 49.4                     | Increase from 8 hr on to 10 hr on     |                                     |
| 7:55                     | 5/19/2014  | 24.5       | 21.0                            | 3.8                             | 50.7                     | Increase from 10 hr on to 14 hr on    |                                     |
| 7:20                     | 5/30/2014  | 25.0       | 21.6                            | 3.2                             | 50.2                     | Increase from 14 hr on to 20 hr on    |                                     |
| 7:45                     | 6/16/2014  | 18.5       | 19.2                            | 3.6                             | 58.7                     | Increase from 20 hr on to 23.66 hr on |                                     |
| 8:08                     | 6/30/2014  | 14.0       | 18.2                            | 3.7                             | 64.1                     |                                       |                                     |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time       | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40                         | Comments<br>target percentages         |
|--------------------------|------------|------------|---------------------------------|---------------------------------|--------------------------|--------------------------------------|--|
| LC-3                     | 8:10       | 7/14/2014  | 11.5                            | 17.2                            | 4.4                      | 66.9                                 |  |
|                          | 8:11       | 7/28/2014  | 10.0                            | 17.4                            | 4.8                      | 67.8                                 |  |
|                          | 8:26       | 8/11/2014  | 8.0                             | 15.6                            | 5.3                      | 71.1                                 | Reduce from 23.66 hr on to 19.66 hr on |
|                          | 7:30       | 8/25/2014  | 8.5                             | 16.2                            | 5.0                      | 70.3                                 |  |
|                          | 7:54       | 9/8/2014   | 8.0                             | 15.2                            | 6.1                      | 70.7                                 | Reduce from 19.66 hr on to 16 hr on    |
|                          | 7:35       | 9/22/2014  | 9.0                             | 15.6                            | 6.6                      | 68.8                                 | Reduce from 16 hr on to 12 hr on       |
|                          | 8:03       | 10/7/2014  | 9.5                             | 15.2                            | 6.8                      | 68.5                                 | Reduce from 12 hr on to 8 hr on        |
|                          | 8:00       | 10/20/2014 | 11.5                            | 16.2                            | 6.4                      | 65.9                                 | Reduce from 8 hr on to 4 hr on         |
|                          | 7:50       | 11/3/2014  | 16.5                            | 18.2                            | 5.9                      | 59.4                                 | Reduce from 4 hr on to 3 hr on         |
|                          | 7:35       | 11/17/2014 | 20.0                            | 20.2                            | 5.4                      | 54.4                                 | Reduce from 3 hr on to 2 hr on         |
|                          | 7:40       | 12/2/2014  | 23.0                            | 20.0                            | 6.3                      | 50.7                                 | Reduce from 2 hr on to 1 hr on         |
|                          | 7:19       | 12/15/2014 | 31.0                            | 23.6                            | 3.9                      | 41.5                                 | Blower off                             |
|                          | 7:25       | 12/18/2014 | 30.0                            | 23.6                            | 4.5                      | 41.9                                 | Increase from 1 hr on to 2 hr on       |
|                          | 7:40       | 1/2/2015   | 30.1                            | 24.0                            | 5.0                      | 40.9                                 | Blower not working                     |
|                          | 7:30       | 1/16/2015  | 24.0                            | 17.6                            | 8.1                      | 50.3                                 | Run 2 hr on                            |
|                          | 7:39       | 1/26/2015  | 32.5                            | 23.0                            | 4.5                      | 40.0                                 | increase from 2 hr on to 3 hr on       |
|                          | 7:44       | 2/9/2015   | 31.0                            | 24.6                            | 4.3                      | 40.1                                 | Increase from 3 hr on to 5 hr on       |
|                          | 8:18       | 2/24/2015  | 31.6                            | 23.2                            | 4.1                      | 41.1                                 | Increase from 5 hr on to 8 hr on       |
|                          | 8:35       | 3/9/2015   | 26.0                            | 21.0                            | 4.5                      | 48.5                                 | Increase from 8 hr on to 12 hr on      |
|                          | 7:35       | 3/23/2015  | 17.0                            | 17.2                            | 5.9                      | 59.9                                 | Reduce from 12 hr on to 10 hr on       |
|                          | 7:43       | 4/6/2015   | 17.0                            | 17.8                            | 5.2                      | 60.0                                 | Reduce from 10 hr on to 9 hr on        |
|                          | 8:12       | 4/22/2015  | 14.5                            | 16.6                            | 5.8                      | 63.1                                 | Reduce from 9 hr on to 7 hr on         |
|                          | 7:30       | 5/4/2015   | 16.0                            | 16.4                            | 5.1                      | 62.5                                 | Reduce from 7 hr on to 6 hr on         |
|                          | 7:25       | 5/18/2015  | 17.5                            | 18.4                            | 4.3                      | 59.8                                 | Increase from 6 hr on to 7 hr on       |
|                          | 7:32       | 6/1/2015   | 15.5                            | 17.6                            | 5.0                      | 61.9                                 |  |
|                          | 7:35       | 6/15/2015  | 16.0                            | 17.8                            | 4.4                      | 61.8                                 | Increase from 7 hr on to 8 hr on       |
|                          | 7:40       | 6/29/2015  | 16.0                            | 18.4                            | 4.5                      | 61.1                                 | Increase from 8 hr on to 10 hr on      |
|                          | 7:35       | 7/14/2015  | 14.5                            | 18.0                            | 4.5                      | 63.0                                 | Increase from 10 hr on to 12 hr on     |
|                          | 7:38       | 7/27/2015  | 13.5                            | 17.8                            | 4.7                      | 64.0                                 | Increase from 12 hr on to 13 hr on     |
|                          | 7:35       | 8/10/2015  | 12.5                            | 17.2                            | 4.8                      | 65.5                                 | Increase from 13 hr on to 15 hr on     |
|                          | 7:35       | 8/24/2015  | 11.5                            | 16.8                            | 5.1                      | 66.6                                 | Reduce from 15 hr on to 14 hr on       |
|                          | 7:48       | 9/8/2015   | 11.5                            | 17.2                            | 4.8                      | 66.5                                 | Increase from 14 hr on to 15 hr on     |
|                          | 8:00       | 9/21/2015  | 11.0                            | 17.0                            | 5.5                      | 66.5                                 | Reduce from 15 hr on to 13 hr on       |
|                          | 7:35       | 10/5/2015  | 11.0                            | 17.2                            | 5.6                      | 66.2                                 |  |
|                          | 7:40       | 10/19/2015 | 11.0                            | 16.8                            | 6.1                      | 66.1                                 | Reduce from 13 hr on to 11 hr on       |
|                          | 7:55       | 11/2/2015  | 11.5                            | 17.2                            | 5.7                      | 65.6                                 | Reduce from 11 hr on to 9 hr on        |
|                          | 7:35       | 11/16/2015 | 13.5                            | 17.8                            | 5.6                      | 63.1                                 | Reduce from 9 hr on to 7 hr on         |
|                          | 11:05      | 11/30/2015 | 15.0                            | 18.8                            | 5.8                      | 60.4                                 | Reduce from 7 hr on to 5 hr on         |
|                          | 7:30       | 12/15/2015 | 18.5                            | 19.6                            | 4.7                      | 57.2                                 | Increase from 5 hr on to 7 hr on       |
|                          | 7:40       | 12/28/2015 | 20.0                            | 20.6                            | 4.9                      | 54.5                                 |  |
|                          | 8:25       | 1/9/2016   | 20.5                            | 19.8                            | 4.9                      | 54.8                                 |  |
|                          | 7:58       | 1/25/2016  | 21.5                            | 21.2                            | 5.1                      | 52.2                                 | Reduce from 7 hr on to 6 hr on         |
| 8:00                     | 2/8/2016   | 21.5       | 20.0                            | 5.7                             | 52.8                     | Reduce from 6 hr on to 4 hr on       |  |
| 7:42                     | 2/22/2016  | 27.0       | 21.0                            | 4.7                             | 47.3                     | Increase from 4 hr on to 6 hr on     |  |
| 7:55                     | 3/7/2016   | 25.0       | 20.2                            | 4.5                             | 50.3                     | Increase from 6 hr on to 9 hr on     |  |
| 8:40                     | 3/21/2016  | 23.0       | 21.6                            | 4.3                             | 51.1                     | Increase from 9 hr on to 13 hr on    |  |
| 7:57                     | 4/4/2016   | 20.0       | 19.6                            | 5.6                             | 54.8                     | Reduce from 13 hr on to 9 hr on      |  |
| 8:12                     | 4/18/2016  | 22.5       | 20.0                            | 5.3                             | 52.2                     | Reduce from 9 hr on to 7 hr on       |  |
| 9:24                     | 5/3/2016   | 25.5       | 20.8                            | 4.8                             | 48.9                     | Increase from 7 hr on to 8 hr on     |  |
| 7:55                     | 5/16/2016  | 28.5       | 22.2                            | 4.5                             | 44.8                     | Increase from 8 hr on to 10 hr on    |  |
| 7:50                     | 6/2/2016   | 31.0       | 23.2                            | 3.6                             | 42.2                     | Increase from 10 hr on to 15 hr on   |  |
| 7:55                     | 6/14/2016  | 29.0       | 22.8                            | 3.7                             | 44.5                     | Increase from 15 hr on to 20 hr on   |  |
| 7:55                     | 6/27/2016  | 26.5       | 21.8                            | 4.4                             | 47.3                     | Increase from 20 hr on to 23.5 hr on |  |
| 10:30                    | 7/14/2016  | 25.0       | 21.6                            | 3.8                             | 49.6                     |                                      |  |
| 8:00                     | 7/25/2016  | 24.5       | 22.4                            | 3.5                             | 49.6                     |                                      |  |
| 7:50                     | 8/8/2016   | 23.0       | 21.8                            | 3.8                             | 51.4                     |                                      |  |
| 7:45                     | 8/25/2016  | 21.5       | 21.6                            | 3.7                             | 53.2                     |                                      |  |
| 7:30                     | 9/6/2016   | 18.0       | 20.4                            | 4.2                             | 57.4                     |                                      |  |
| 10:10                    | 10/3/2016  | 15.5       | 19.2                            | 4.8                             | 60.5                     |                                      |  |
| 8:18                     | 10/19/2016 | 14.5       | 18.4                            | 5.6                             | 61.5                     | Reduce from 23.5 hr on to 19.5 hr on |  |
| 8:54                     | 10/31/2016 | 14.5       | 18.0                            | 6.2                             | 61.3                     | Reduce from 19.5 hr on to 13.5 hr on |  |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time       | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40                               | Comments<br>target percentages                |
|--------------------------|------------|------------|---------------------------------|---------------------------------|--------------------------|--|---|
| LC-3                     | 8:11       | 11/14/2016 | 16.0                            | 18.4                            | 6.2                      | 59.4                                       | Reduce from 13.5 hr on to 7.5 hr on           |
|                          | 8:57       | 11/28/2016 | 20.0                            | 19.6                            | 5.9                      | 54.5                                       |   |
|                          | 9:13       | 12/9/2016  | 22.5                            | 21.4                            | 5.9                      | 50.2                                       | Reduce from 7.5 hr on to 5 hr on              |
|                          | 8:00       | 12/22/2016 | 23.5                            | 21.0                            | 6.1                      | 49.4                                       | Reduce from 5 hr on to 3 hr on                |
|                          | 8:10       | 1/4/2017   | 22.5                            | 19.8                            | 6.6                      | 51.1                                       | Reduce from 3 hr on to 2 hr on                |
|                          | 7:40       | 1/13/2017  | 23.7                            | 21.2                            | 6.2                      | 48.9                                       | Reduce from 2 hr on to 1 hr on                |
|                          | 7:34       | 1/27/2017  | 34.5                            | 25.6                            | 4.5                      | 35.4                                       | Increase from 1 hr on to 2 hr on              |
|                          | 8:10       | 2/13/2017  | 33.0                            | 23.8                            | 5.0                      | 38.2                                       | Reduce from 2 hr on to 1.5 hr on              |
|                          | 8:05       | 2/27/2017  | 33.5                            | 23.2                            | 5.6                      | 37.7                                       | Reduce from 1.5 hr on to 1 hr on              |
|                          | 8:30       | 3/13/2017  | 36.5                            | 24.4                            | 5.4                      | 33.7                                       | Reduce from 1 hr on to 0.75 hr on             |
|                          | 7:35       | 3/28/2017  | 36.0                            | 24.6                            | 4.7                      | 34.7                                       | Increase from 0.75 hr on to 1 hr on           |
|                          | 8:10       | 4/12/2017  | 37.0                            | 25.0                            | 4.8                      | 33.2                                       | Increase from 1 hr on to 3.5 hr on (sampling) |
|                          | 7:48       | 4/18/2017  | 21.0                            | 16.2                            | 9.6                      | 53.2                                       | Reduce from 3.5 hr on to 1.5 hr on            |
|                          | 7:16       | 4/25/2017  | 36.0                            | 25.6                            | 4.3                      | 34.1                                       | Increase from 1.5 hr on to 3.5 hr on          |
|                          | 7:27       | 5/8/2017   | 35.0                            | 25.2                            | 4.6                      | 35.2                                       | Increase from 3.5 hr on to 6.5 hr on          |
|                          | 7:38       | 5/22/2017  | 29.5                            | 22.2                            | 4.8                      | 43.5                                       | Increase from 6.5 hr on to 8.5 hr on          |
|                          | 7:52       | 6/5/2017   | 28.0                            | 22.6                            | 3.9                      | 45.5                                       | Increase from 8.5 hr on to 14.5 hr on         |
|                          | 7:40       | 6/19/2017  | 23.5                            | 21.8                            | 3.2                      | 51.5                                       | Increase from 14.5 hr on to 20.5 hr on        |
|                          | 8:31       | 7/4/2017   | 23.5                            | 22.8                            | 2.7                      | 51.0                                       | Increase from 20.5 hr on to 23.5 hr on        |
|                          | 7:48       | 7/18/2017  | 28.0                            | 24.8                            | 2.0                      | 45.2                                       |   |
|                          | 7:53       | 8/1/2017   | 29.5                            | 25.6                            | 1.8                      | 43.1                                       |   |
|                          | 7:58       | 8/14/2017  | 31.5                            | 26.2                            | 1.4                      | 40.9                                       |   |
|                          | 8:13       | 8/29/2017  | 31.0                            | 26.6                            | 1.3                      | 41.1                                       |   |
|                          | 8:01       | 9/12/2017  | 31.0                            | 26.8                            | 1.2                      | 41.0                                       |   |
|                          | 8:12       | 9/25/2017  | 32.0                            | 27.0                            | 2.6                      | 38.4                                       |   |
|                          | 8:15       | 10/10/2017 | 32.0                            | 27.6                            | 1.2                      | 39.2                                       |   |
|                          | 7:54       | 10/23/2017 | 31.5                            | 27.0                            | 1.1                      | 40.4                                       |   |
|                          | 8:02       | 11/6/2017  | 33.5                            | 28.2                            | 1.2                      | 37.1                                       |   |
|                          | 8:08       | 11/17/2017 | 34.0                            | 28.2                            | 0.9                      | 36.9                                       |   |
|                          | 8:05       | 12/1/2017  | 34.5                            | 28.6                            | 1.0                      | 35.9                                       |   |
|                          | 8:15       | 12/18/2017 | 34.0                            | 28.4                            | 1.0                      | 36.6                                       |   |
|                          | 8:52       | 1/3/2018   | 36.5                            | 27.8                            | 1.9                      | 33.8                                       |   |
|                          | 8:01       | 1/11/2018  | 31.0                            | 24.4                            | 4.2                      | 40.4                                       |   |
|                          | 7:53       | 1/26/2018  | 18.5                            | 19.6                            | 5.3                      | 56.6                                       | Decreased from 23.5 hr on to 20 hr on         |
|                          | 8:18       | 2/13/2018  | 9.5                             | 14.0                            | 8.0                      | 68.5                                       | Decrease from 20 hr on to 12 hr on            |
|                          | 7:46       | 2/27/2018  | 19.0                            | 20.2                            | 3.9                      | 56.9                                       |   |
|                          | 7:46       | 3/13/2018  | 28.0                            | 25.0                            | 1.2                      | 45.8                                       |   |
|                          | 8:08       | 3/28/2018  | 22.5                            | 21.8                            | 3.5                      | 52.2                                       |   |
|                          | 8:21       | 4/10/2018  | 22.5                            | 22.0                            | 3.6                      | 51.9                                       | Increase from 12 hr on to 16 hr on            |
|                          | 7:51       | 4/25/2018  | 22.5                            | 21.4                            | 3.5                      | 52.6                                       |   |
| 8:08                     | 5/8/2018   | 24.5       | 21.4                            | 3.1                             | 51.0                     |  |   |
| 7:55                     | 5/21/2018  | 21.0       | 21.0                            | 3.1                             | 54.9                     | Decrease from 16 hr on to 12 hr on         |   |
| 8:21                     | 6/5/2018   | 22.5       | 21.2                            | 2.9                             | 53.4                     | Decrease from 12 hr on to 11 hr on         |   |
| 8:02                     | 6/20/2018  | 25.0       | 22.0                            | 2.4                             | 50.6                     |  |   |
| 8:07                     | 6/28/2018  | 24.0       | 22.0                            | 2.4                             | 51.6                     | Decrease from 11 hr on to 2 hr on          |   |
| 6:04                     | 8/2/2018   | 23.2       | 25.2                            | 3.5                             | 48.1                     | Rental meter read "over" for methane       |   |
| 6:37                     | 9/15/2018  | 37.0       | 26.7                            | 3.1                             | 33.2                     | Increase from 2 hr on to 9 hr on (8/21/18) |   |
| 8:37                     | 9/26/2018  | 32.5       | 25.8                            | 3.0                             | 38.7                     |  |   |
| 10:55                    | 10/26/2018 | 31.5       | 25.6                            | 3.2                             | 39.7                     |  |   |
| 7:49                     | 11/9/2018  | 28.5       | 25                              | 2.9                             | 43.6                     |  |   |
| 7:24                     | 11/21/2018 | 26.0       | 22.8                            | 4.5                             | 46.7                     |  |   |
| 13:10                    | 12/6/2018  | 31.0       | 25.2                            | 2.5                             | 41.3                     |  |   |
| 13:02                    | 12/20/2018 | 30.5       | 24.8                            | 3.2                             | 41.5                     |  |   |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time      | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40                      | Comments<br>target percentages |
|--------------------------|-----------|------------|---------------------------------|---------------------------------|--------------------------|-----------------------------------|--------------------------------|
| GV-6                     | 11:19     | 3/20/2006  | 0.4                             | 0.2                             | 20.9                     | 78.5                              | pre-startup                    |
|                          | 10:00     | 3/22/2006  | 45.9                            | 26.6                            | 2.6                      | 24.9                              |                                |
|                          | 15:49     | 3/22/2006  | 54.2                            | 31.6                            | 0.9                      | 13.3                              |                                |
|                          | 8:47      | 3/23/2006  | 51.5                            | 29.5                            | 1.3                      | 17.7                              |                                |
|                          | 16:50     | 3/23/2006  | 45.0                            | 25.4                            | 3.8                      | 25.8                              |                                |
|                          | 15:30     | 3/24/2006  | 24.0                            | 13.9                            | 15.0                     | 47.1                              |                                |
|                          | 14:30     | 3/28/2006  | 13.2                            | 10.0                            | 12.9                     | 63.9                              |                                |
|                          | 19:00     | 3/30/2006  | 34.4                            | 24.9                            | 2.9                      | 37.8                              |                                |
|                          | 13:25     | 4/5/2006   | 22.9                            | 18.7                            | 8.2                      | 50.2                              |                                |
|                          | 12:55     | 4/6/2006   | 21.9                            | 17.4                            | 7.9                      | 52.8                              |                                |
|                          | 13:10     | 4/11/2006  | 23.8                            | 20.2                            | 5.9                      | 50.1                              |                                |
|                          | 10:56     | 4/14/2006  | 26.9                            | 23.4                            | 2.3                      | 47.4                              |                                |
|                          | 15:53     | 4/14/2006  | 21.3                            | 28.5                            | 5.4                      | 44.8                              |                                |
|                          | 10:00     | 4/17/2006  | 31.3                            | 34.0                            | 3.0                      | 31.7                              |                                |
|                          | 19:55     | 4/27/2006  | 15.6                            | 19.8                            | 4.0                      | 60.6                              |                                |
|                          | 13:15     | 5/4/2006   | 0.0                             | 0.0                             | 2.4                      | 97.6                              |                                |
|                          | 10:19     | 5/22/2006  | 16.2                            | 24.6                            | 1.3                      | 57.9                              |                                |
|                          | 8:23      | 6/9/2006   | 24.4                            | 32.8                            | 6.2                      | 36.6                              |                                |
|                          | 12:37     | 6/14/2006  | 22.8                            | 29.3                            | 5.6                      | 42.3                              |                                |
|                          | 10:46     | 6/22/2006  | 12.1                            | 23.0                            | 5.4                      | 59.5                              |                                |
|                          | 12:07     | 7/5/2006   | 13.7                            | 24.7                            | 4.9                      | 56.7                              |                                |
|                          | 11:33     | 7/10/2006  | 12.6                            | 26.2                            | 4.0                      | 57.2                              |                                |
|                          | 10:54     | 7/17/2006  | 12.7                            | 25.6                            | 3.9                      | 57.8                              |                                |
|                          | 14:04     | 7/28/2006  | 4.8                             | 24.5                            | 4.4                      | 66.3                              |                                |
|                          | 9:53      | 8/8/2006   | 14.8                            | 29.1                            | 2.3                      | 53.8                              |                                |
|                          | 9:06      | 8/16/2006  | 14.8                            | 27.1                            | 4.1                      | 54.0                              |                                |
|                          | 8:22      | 8/21/2006  | 12.7                            | 8.6                             | 3.8                      | 74.9                              |                                |
|                          | 14:10     | 8/28/2006  | 16.6                            | 25.7                            | 5.0                      | 52.7                              |                                |
|                          | 11:24     | 9/13/2006  | 8.2                             | 1.4                             | 5.3                      | 85.1                              |                                |
|                          | 11:20     | 9/25/2006  | 8.1                             | 0.8                             | 1.8                      | 89.3                              |                                |
|                          | 8:20      | 10/10/2006 | 18.1                            | 30.1                            | 3.2                      | 48.6                              |                                |
|                          | 8:21      | 10/23/2006 | 12.8                            | 18.1                            | 4.6                      | 64.5                              |                                |
|                          | 14:05     | 11/2/2006  | 10.0                            | 22.4                            | 1.3                      | 66.3                              |                                |
|                          | 14:56     | 11/14/2006 | 19.0                            | 21.8                            | 4.5                      | 54.7                              |                                |
|                          | 11:27     | 11/27/2006 | 9.0                             | 14.6                            | 8.4                      | 68.0                              |                                |
|                          | 13:00     | 12/26/2006 | 15.5                            | 22.8                            | 1.5                      | 60.2                              |                                |
|                          | 14:02     | 1/27/2007  | 13.5                            | 20.8                            | 1.7                      | 64.0                              |                                |
|                          | 9:32      | 2/15/2007  | 0.6                             | 11.4                            | 8.0                      | 80.1                              |                                |
|                          | 11:24     | 2/24/2007  | 2.6                             | 12.0                            | 9.6                      | 75.9                              |                                |
|                          | 9:41      | 3/1/2007   | 23.0                            | 24.0                            | 0.2                      | 52.8                              |                                |
|                          | 10:15     | 3/1/2007   | 13.5                            | 17.8                            | 3.6                      | 65.1                              |                                |
|                          | 10:17     | 3/1/2007   | 12.0                            | 19.2                            | 1.3                      | 67.5                              |                                |
|                          | 11:13     | 3/1/2007   | 9.0                             | 17.4                            | 2.5                      | 71.1                              |                                |
| 12:22                    | 3/1/2007  | 7.5        | 16.6                            | 3.0                             | 72.9                     |                                   |                                |
| 13:53                    | 3/1/2007  | 6.5        | 15.6                            | 4.3                             | 73.6                     |                                   |                                |
| 14:00                    | 3/1/2007  | 7.0        | 15.5                            | 4.2                             | 73.3                     |                                   |                                |
| 14:40                    | 3/1/2007  | 6.0        | 14.4                            | 5.2                             | 74.4                     |                                   |                                |
| 8:00                     | 3/5/2007  | 6.0        | 14.4                            | 6.4                             | 73.2                     | adjust blower time, 12 on, 12 off |                                |
| 8:05                     | 3/24/2007 | 11.5       | 20.0                            | 2.8                             | 65.7                     |                                   |                                |
| 16:50                    | 3/24/2007 | 12.0       | 19.4                            | 2.8                             | 65.8                     |                                   |                                |
| 17:05                    | 3/26/2007 | 9.5        | 18.4                            | 3.2                             | 68.9                     |                                   |                                |
| 7:25                     | 3/27/2007 | 7.0        | 17.6                            | 4.1                             | 71.3                     |                                   |                                |
| 16:31                    | 3/28/2007 | 11.0       | 20.0                            | 1.8                             | 67.2                     |                                   |                                |
| 7:59                     | 3/29/2007 | 8.5        | 19.8                            | 1.4                             | 70.3                     |                                   |                                |
| 16:55                    | 3/29/2007 | 12.0       | 20.0                            | 1.3                             | 66.7                     |                                   |                                |
| 7:59                     | 3/30/2007 | 9.0        | 20.8                            | 0.3                             | 69.9                     | blower off                        |                                |
| 10:45                    | 5/30/2007 | 31.0       | 22.6                            | 0.7                             | 45.7                     | restart and run 24 hrs            |                                |
| 13:40                    | 5/30/2007 | 36.5       | 26.2                            | 0.6                             | 36.7                     |                                   |                                |
| 10:25                    | 5/31/2007 | 21.5       | 22.8                            | 1.5                             | 54.2                     | reduce to 12 on 12 off            |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen



Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time       | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40             | Comments<br>target percentages |
|--------------------------|------------|------------|---------------------------------|---------------------------------|--------------------------|--------------------------|--------------------------------|
| GV-6                     | 16:28      | 6/1/2007   | 20.5                            | 22.0                            | 1.1                      | 56.4                     |                                |
|                          | 15:25      | 6/2/2007   | 20.0                            | 21.8                            | 1.1                      | 57.1                     |                                |
|                          | 16:05      | 6/3/2007   | 20.5                            | 22.4                            | 0.5                      | 56.6                     |                                |
|                          | 14:08      | 6/4/2007   | 16.5                            | 22.0                            | 0.8                      | 60.7                     | reduce to 6 on 18 off          |
|                          | 15:04      | 6/7/2007   | 19.0                            | 22.6                            | 0.4                      | 58.0                     |                                |
|                          | 17:35      | 6/12/2007  | 14.0                            | 21.6                            | 1.7                      | 62.7                     |                                |
|                          | 15:00      | 6/14/2007  | 14.0                            | 21.8                            | 0.6                      | 63.6                     |                                |
|                          | 14:30      | 6/19/2007  | 13.0                            | 22.8                            | 0.7                      | 63.5                     |                                |
|                          | 14:30      | 6/21/2007  | 15.0                            | 21.8                            | 1.4                      | 61.8                     |                                |
|                          | 14:20      | 7/11/2007  | 14.0                            | 20.2                            | 3.1                      | 62.7                     |                                |
|                          | 14:20      | 7/23/2007  | 15.0                            | 21.0                            | 3.3                      | 60.7                     |                                |
|                          | 14:10      | 8/8/2007   | 14.0                            | 20.2                            | 3.8                      | 62.0                     |                                |
|                          | 13:15      | 8/13/2007  | 12.0                            | 18.6                            | 5.1                      | 64.3                     |                                |
|                          | 14:20      | 8/20/2007  | 9.5                             | 18.0                            | 5.1                      | 67.4                     |                                |
|                          | 14:15      | 8/28/2007  | 9.0                             | 18.6                            | 4.4                      | 68.0                     |                                |
|                          | 15:50      | 8/31/2007  | 6.0                             | 19.2                            | 2.5                      | 72.3                     |                                |
|                          | 14:45      | 9/4/2007   | 6.0                             | 18.2                            | 3.2                      | 72.6                     |                                |
|                          | 13:15      | 9/17/2007  | 5.0                             | 16.8                            | 4.3                      | 73.9                     |                                |
|                          | 9:35       | 9/29/2007  | 4.7                             | 16.8                            | 4.3                      | 74.2                     |                                |
|                          | 8:35       | 10/4/2007  | 4.4                             | 16.2                            | 4.7                      | 74.8                     |                                |
|                          | 9:35       | 10/7/2007  | 4.7                             | 17.0                            | 3.6                      | 74.7                     |                                |
|                          | 9:40       | 10/18/2007 | 7.5                             | 20.0                            | 0.6                      | 71.9                     |                                |
|                          | 9:10       | 10/25/2007 | 7.0                             | 2.0                             | 0.5                      | 90.5                     |                                |
|                          | 9:10       | 11/1/2007  | 7.0                             | 20.6                            | 0.2                      | 72.2                     |                                |
|                          | 10:05      | 11/13/2007 | 17.5                            | 22.0                            | 0.7                      | 59.8                     |                                |
|                          | 11:20      | 11/26/2007 | 6.0                             | 15.6                            | 5.5                      | 72.9                     | reduce to 12 on 12 off         |
|                          | 10:50      | 12/10/2007 | 7.0                             | 16.8                            | 4.8                      | 71.4                     | reduce to 10 on 14 off         |
|                          | 11:40      | 12/26/2007 | 6.5                             | 15.6                            | 4.9                      | 73.0                     | reduce to 8 on 16 off          |
|                          | 10:05      | 1/9/2008   | 6.0                             | 15.6                            | 4.9                      | 73.5                     |                                |
|                          | 12:05      | 1/23/2008  | 5.5                             | 13.4                            | 7.3                      | 73.8                     |                                |
|                          | 9:10       | 2/4/2008   | 12.5                            | 19.4                            | 0.9                      | 67.2                     |                                |
|                          | 7:40       | 2/18/2008  | 17.0                            | 20.4                            | 0.7                      | 61.9                     |                                |
|                          | 7:20       | 3/4/2008   | 21.0                            | 21.0                            | 0.9                      | 57.1                     |                                |
|                          | 8:35       | 3/18/2008  | 31.0                            | 22.8                            | 0.8                      | 45.4                     |                                |
|                          | 14:15      | 5/12/2008  | 14.5                            | 19.6                            | 3.1                      | 62.8                     |                                |
|                          | 9:05       | 5/19/2008  | 5.5                             | 14.8                            | 6.4                      | 73.3                     |                                |
|                          | 13:40      | 5/30/2008  | 12.0                            | 20.4                            | 0.2                      | 67.4                     |                                |
|                          | 9:15       | 6/12/2008  | 5.0                             | 16.8                            | 5.5                      | 72.7                     |                                |
|                          | 9:10       | 6/25/2008  | 10.0                            | 23.4                            | 0.6                      | 66.0                     |                                |
|                          | 11:20      | 7/7/2008   | 5.5                             | 20.0                            | 0.0                      | 74.5                     | opened GV-6 to 200 ft/min      |
|                          | 12:25      | 7/21/2008  | 7.5                             | 20.8                            | 1.3                      | 70.4                     |                                |
|                          | 9:45       | 8/5/2008   | 9.5                             | 21.8                            | 0.5                      | 68.2                     |                                |
| 9:00                     | 8/13/2008  | 11.5       | 21.6                            | 1.4                             | 65.5                     | increase to 12 on 12 off |                                |
| 8:40                     | 8/19/2008  | 4.9        | 15.4                            | 6.8                             | 73.0                     |                          |                                |
| 14:00                    | 9/2/2008   | 5.5        | 18.4                            | 2.0                             | 74.1                     |                          |                                |
| 11:46                    | 10/3/2008  | 3.7        | 9.6                             | 11.0                            | 75.7                     |                          |                                |
| 10:35                    | 10/13/2008 | 9.0        | 20.4                            | 1.8                             | 68.8                     |                          |                                |
| 9:10                     | 10/28/2008 | 7.0        | 19.2                            | 2.8                             | 71.0                     |                          |                                |
| 7:30                     | 11/6/2008  | 10.0       | 20.2                            | 1.5                             | 68.3                     |                          |                                |
| 10:10                    | 12/24/2008 | 6.0        | 15.6                            | 4.5                             | 73.9                     | 12/8/08 meter failure    |                                |
| 11:45                    | 1/8/2009   | 3.1        | 13.6                            | 6.5                             | 76.8                     | 1/27/09 ice in port      |                                |
| 11:15                    | 1/18/2009  | 8.5        | 19.0                            | 3.2                             | 69.3                     |                          |                                |
| 8:30                     | 2/6/2009   | 3.2        | 12.4                            | 7.7                             | 76.8                     |                          |                                |
| 10:45                    | 2/23/2009  | 1.5        | 10.8                            | 9.7                             | 78.1                     | decrease to 8 on         |                                |
| 10:10                    | 3/9/2009   | 3.0        | 14.6                            | 3.3                             | 79.1                     |                          |                                |
| 10:10                    | 3/20/2009  | 4.4        | 16.8                            | 2.1                             | 76.8                     |                          |                                |
| 12:21                    | 4/9/2009   | 8.0        | 18.4                            | 0.0                             | 73.6                     |                          |                                |
| 10:30                    | 4/19/2009  | 3.6        | 13.0                            | 6.7                             | 76.7                     |                          |                                |
| 8:30                     | 5/4/2009   | 1.6        | 11.4                            | 8.5                             | 78.6                     |                          |                                |
| 8:35                     | 5/18/2009  | 2.0        | 12.4                            | 7.2                             | 78.4                     |                          |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time       | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40 | Comments<br>target percentages |
|--------------------------|------------|------------|---------------------------------|---------------------------------|--------------------------|--------------|--------------------------------|
| GV-6                     | 10:05      | 6/1/2009   | 1.3                             | 11.4                            | 7.9                      | 79.4         |                                |
|                          | 8:50       | 6/14/2009  | 1.7                             | 13.8                            | 4.7                      | 79.8         |                                |
|                          | 8:40       | 7/2/2009   | 9.0                             | 20.8                            | 0.3                      | 69.9         |                                |
|                          | 7:25       | 7/13/2009  | 11.5                            | 23.0                            | 0.0                      | 65.5         |                                |
|                          | 8:25       | 7/22/2009  | 4.5                             | 16.2                            | 4.4                      | 74.9         |                                |
|                          | 8:40       | 8/11/2009  | 1.9                             | 11.8                            | 7.7                      | 78.6         |                                |
|                          | 8:40       | 8/24/2009  | 1.8                             | 11.4                            | 7.9                      | 79.0         | decrease to 6 on 18 off        |
|                          | 9:15       | 9/8/2009   | 7.0                             | 18.4                            | 1.6                      | 73.0         |                                |
|                          | 9:10       | 9/21/2009  | 16.0                            | 22.4                            | 0.4                      | 61.2         |                                |
|                          | 10:09      | 10/5/2009  | 9.5                             | 19.8                            | 2.0                      | 68.7         |                                |
|                          | 10:55      | 10/28/2009 | 12.5                            | 20.8                            | 1.6                      | 65.1         |                                |
|                          | 10:45      | 11/16/2009 | 15.5                            | 4.5                             | 16.0                     | 64.0         |                                |
|                          | 9:15       | 12/18/2009 | 24.0                            | 23.8                            | 0.0                      | 52.2         |                                |
|                          | 9:00       | 12/28/2009 | 21.5                            | 22.4                            | 5.0                      | 51.1         |                                |
|                          | 9:10       | 1/11/2010  | 15.5                            | 20.4                            | 2.8                      | 61.3         |                                |
|                          | 12:30      | 2/25/2010  | 21.2                            | 21.2                            | 0.7                      | 56.9         |                                |
|                          | 9:45       | 3/8/2010   | 18.0                            | 21.2                            | 0.2                      | 60.6         |                                |
|                          | 9:20       | 3/22/2010  | 18.0                            | 21.2                            | 0.3                      | 60.5         |                                |
|                          | 9:20       | 4/5/2010   | 7.0                             | 20.2                            | 1.2                      | 71.6         |                                |
|                          | 9:12       | 4/19/2010  | 14.0                            | 21.0                            | 0.1                      | 64.9         |                                |
|                          | 9:12       | 5/3/2010   | 12.5                            | 21.4                            | 0.0                      | 66.1         |                                |
|                          | 9:42       | 5/17/2010  | 22.5                            | 23.6                            | 0.0                      | 53.9         |                                |
|                          | 9:04       | 5/25/2010  | 5.0                             | 19.8                            | 2.9                      | 72.3         |                                |
|                          | 9:10       | 6/24/2010  | 9.0                             | 19.6                            | 1.7                      | 69.7         |                                |
|                          | 9:00       | 7/19/2010  | 3.4                             | 16.8                            | 2.7                      | 77.1         |                                |
|                          | 8:50       | 8/2/2010   | 4.5                             | 12.0                            | 3.0                      | 80.6         |                                |
|                          | 9:43       | 8/16/2010  | 14.0                            | 22.0                            | 1.2                      | 62.8         |                                |
|                          | 8:47       | 8/30/2010  | 21.5                            | 25.0                            | 1.0                      | 52.5         |                                |
|                          | 9:00       | 9/13/2010  | 30.0                            | 26.6                            | 1.2                      | 42.2         |                                |
|                          | 9:47       | 9/28/2010  | 37.0                            | 28.2                            | 1.2                      | 33.6         |                                |
|                          | 8:10       | 10/12/2010 | 24.0                            | 25.0                            | 1.7                      | 49.3         |                                |
|                          | 9:12       | 10/25/2010 | 35.5                            | 26.8                            | 1.2                      | 36.5         |                                |
|                          | 9:30       | 11/2/2010  | 15.5                            | 22.0                            | 1.9                      | 60.6         |                                |
|                          | 8:45       | 11/15/2010 | 13.5                            | 21.0                            | 1.7                      | 63.8         |                                |
|                          | 9:40       | 12/10/2010 | 9.0                             | 19.2                            | 2.1                      | 69.7         |                                |
|                          | 8:50       | 12/23/2010 | 6.0                             | 18.2                            | 2.8                      | 73.0         |                                |
|                          | 9:10       | 1/10/2011  | 28.0                            | 4.8                             | 15.7                     | 51.5         |                                |
|                          | 12:00      | 2/11/2011  | 30.5                            | 20.8                            | 0.5                      | 48.2         |                                |
|                          | 9:40       | 2/22/2011  | 1.7                             | 7.4                             | 14.2                     | 76.7         |                                |
|                          | 9:15       | 3/7/2011   | 4.4                             | 10.0                            | 11.5                     | 74.1         |                                |
|                          | 11:45      | 3/24/2011  | 7.5                             | 12.2                            | 6.9                      | 73.4         |                                |
|                          | 8:45       | 4/6/2011   | 17.5                            | 19.2                            | 0.9                      | 62.4         |                                |
|                          | 8:12       | 4/25/2011  | 18.6                            | 20.8                            | 0.7                      | 59.9         |                                |
|                          | 8:45       | 5/9/2011   | 29.5                            | 22.8                            | 0.4                      | 47.3         |                                |
|                          | 9:00       | 5/23/2011  | 35.5                            | 24.4                            | 0.4                      | 39.7         |                                |
|                          | 10:45      | 6/6/2011   | 39.5                            | 25.2                            | 0.3                      | 35.0         |                                |
|                          | 8:59       | 6/15/2011  | 41.0                            | 26.8                            | 0.3                      | 31.9         |                                |
|                          | 9:10       | 7/5/2011   | 35.4                            | 26.0                            | 0.6                      | 38.0         |                                |
|                          | 8:09       | 7/13/2011  | 24.0                            | 24.8                            | 0.6                      | 50.6         |                                |
|                          | 8:10       | 7/26/2011  | 35.0                            | 27.4                            | 0.7                      | 36.9         |                                |
| 8:10                     | 8/8/2011   | 20.0       | 23.6                            | 0.5                             | 55.9                     |              |                                |
| 7:45                     | 8/23/2011  | 19.0       | 24.8                            | 0.9                             | 55.3                     |              |                                |
| 15:17                    | 9/9/2011   | 29.0       | 1.2                             | 26.4                            | 43.4                     |              |                                |
| 16:01                    | 9/15/2011  | 19.0       | 24.6                            | 0.5                             | 55.9                     |              |                                |
| 8:27                     | 9/21/2011  | 39.5       | 29.0                            | 0.5                             | 31.0                     |              |                                |
| 9:35                     | 9/21/2011  | 20.0       | 22.1                            | 1.5                             | 56.4                     |              |                                |
| 9:27                     | 9/22/2011  | 26.0       | 22.2                            | 4.8                             | 47.0                     |              |                                |
| 10:09                    | 9/22/2011  | 9.9        | 19.2                            | 2.5                             | 68.4                     |              |                                |
| 10:55                    | 9/22/2011  | 11.5       | 18.8                            | 3.3                             | 66.4                     |              |                                |
| 10:40                    | 10/3/2011  | 4.6        | 13.6                            | 8.1                             | 73.8                     |              |                                |
| 13:49                    | 10/24/2011 | 7.5        | 20.4                            | 1.2                             | 70.9                     |              |                                |
| 10:55                    | 10/26/2011 | 7.5        | 16.4                            | 5.8                             | 70.3                     |              |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time       | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40                    | Comments<br>target percentages            |
|--------------------------|------------|------------|---------------------------------|---------------------------------|--------------------------|---------------------------------|---|
| GV-6                     | 10:40      | 11/7/2011  | 4.5                             | 14.6                            | 6.6                      | 74.3                            |   |
|                          | 9:15       | 11/14/2011 | 7                               | 17.8                            | 3                        | 72.2                            |   |
|                          | 10:30      | 11/14/2011 | 5                               | 6.8                             | 2.7                      | 85.5                            |   |
|                          | 9:12       | 12/12/2011 | 7.5                             | 16.8                            | 4.3                      | 71.4                            |   |
|                          | 10:17      | 12/27/2011 | 9                               | 7                               | 13.9                     | 70.1                            |   |
|                          | 8:40       | 1/10/2012  | 12                              | 19.6                            | 1                        | 67.4                            |   |
|                          | 10:05      | 1/25/2012  | 11.5                            | 22.6                            | 0.2                      | 65.7                            |   |
|                          | 9:15       | 2/20/2012  | 12.5                            | 14.4                            | 2.1                      | 71                              |   |
|                          | 9:00       | 3/8/2012   | 11                              | 18.4                            | 2.9                      | 67.7                            |   |
|                          | 10:20      | 4/2/2012   | 9.0                             | 18.2                            | 2.6                      | 70.2                            |   |
|                          | 9:05       | 4/16/2012  | 14.9                            | 20.4                            | 1.2                      | 63.5                            |   |
|                          | 9:10       | 4/30/2012  | 17.0                            | 21.0                            | 1.3                      | 60.7                            |   |
|                          | 9:15       | 5/14/2012  | 16.0                            | 21.0                            | 1.3                      | 61.7                            |   |
|                          | 9:10       | 5/29/2012  | 14.5                            | 20.4                            | 1.8                      | 63.3                            |   |
|                          | 7:45       | 6/11/2012  | 23.0                            | 23.8                            | 1.4                      | 51.8                            |   |
|                          | 9:40       | 6/25/2012  | 8.5                             | 18.4                            | 3.3                      | 69.8                            |   |
|                          | 9:00       | 7/9/2012   | 12.0                            | 19.4                            | 3.1                      | 65.5                            |   |
|                          | 8:33       | 7/23/2012  | 3.8                             | 12.0                            | 8.3                      | 76.0                            |   |
|                          | 8:19       | 7/25/2012  | 10.0                            | 18.8                            | 2.8                      | 68.4                            |   |
|                          | 9:00       | 8/6/2012   | 4.4                             | 13.6                            | 7.3                      | 74.8                            |   |
|                          | 9:17       | 8/21/2012  | 4.1                             | 13.8                            | 6.5                      | 75.7                            |   |
|                          | 9:10       | 9/4/2012   | 3.2                             | 11.2                            | 8.6                      | 77.1                            |   |
|                          | 9:05       | 10/1/2012  | 2.3                             | 9.4                             | 10.2                     | 78.2                            |   |
|                          | 8:30       | 10/15/2012 | 2.0                             | 10.4                            | 9.0                      | 78.6                            |   |
|                          | 7:40       | 12/6/2012  | 15.0                            | 19.4                            | 1.4                      | 64.2                            |   |
|                          | 9:00       | 12/17/2012 | 9.0                             | 14.2                            | 4.5                      | 72.3                            |   |
|                          | 8:50       | 12/31/2012 | 42.0                            | 2.6                             | 18.7                     | 36.7                            | 1st time O2 over 5% (used rental meter)   |
|                          | 8:30       | 1/9/2013   | 28.0                            | 1.8                             | 19.6                     | 50.6                            | wrong port used for O2 (3.3, 2nd reading) |
|                          | 8:08       | 1/15/2013  | 21.0                            | 20.4                            | 0.3                      | 58.3                            |   |
|                          | 9:05       | 1/28/2013  | 35.5                            | 23.6                            | 3.2                      | 37.7                            |   |
|                          | 10:45      | 2/11/2013  | 18.5                            | 12.8                            | 9.4                      | 59.3                            |   |
|                          | 9:15       | 2/25/2013  | 31.5                            | 21.8                            | 1.7                      | 45.0                            |   |
|                          | 7:30       | 3/8/2013   | 34.5                            | 22.6                            | 0.1                      | 42.8                            |   |
|                          | 8:50       | 3/22/2013  | 41.5                            | 22.2                            | 0.0                      | 36.3                            |   |
|                          | 13:50      | 4/8/2013   | 10.5                            | 15.6                            | 4.3                      | 69.6                            |   |
|                          | 15:15      | 4/22/2013  | 14.0                            | 19.0                            | 1.2                      | 65.8                            |   |
|                          | 9:35       | 4/29/2013  | 4.3                             | 13.2                            | 5.0                      | 77.6                            | Reduce from 23.5 hrs to 20.5 hrs on       |
|                          | 8:30       | 5/13/2013  | 3.4                             | 11.6                            | 7.4                      | 77.7                            | Reduce from 20.5 hrs to 16 hrs on         |
|                          | 13:36      | 5/28/2013  | 4.8                             | 13.2                            | 5.8                      | 76.2                            | Reduce from 16 hrs to 12 hrs on           |
|                          | 8:45       | 6/7/2013   | 3.9                             | 13.0                            | 6.1                      | 77.1                            |   |
|                          | 8:12       | 6/21/2013  | 6.5                             | 15.4                            | 4.8                      | 73.3                            |   |
| 8:45                     | 7/5/2013   | 3.6        | 13.0                            | 6.2                             | 77.2                     |                                 |   |
| 7:48                     | 7/22/2013  | 5.0        | 15.2                            | 4.7                             | 75.1                     | Reduce from 12 hrs to 10 hrs on |   |
| 8:50                     | 8/5/2013   | 10.0       | 18.6                            | 2.4                             | 69.0                     |                                 |   |
| 8:15                     | 8/19/2013  | 9.0        | 17.4                            | 3.1                             | 70.5                     |                                 |   |
| 8:30                     | 9/5/2013   | 2.4        | 10.2                            | 10.0                            | 77.5                     |                                 |   |
| 8:45                     | 9/16/2013  | 3.5        | 11.4                            | 9.2                             | 75.9                     |                                 |   |
| 7:30                     | 9/30/2013  | 23.5       | 21.6                            | 3.5                             | 51.4                     |                                 |   |
| 7:35                     | 10/14/2013 | 14.5       | 19.4                            | 4.5                             | 61.6                     |                                 |   |
| 7:39                     | 10/28/2013 | 12.0       | 16.2                            | 6.7                             | 65.1                     |                                 |   |
| 8:05                     | 11/19/2013 | 15.0       | 18.0                            | 5.8                             | 61.2                     |                                 |   |
| 7:30                     | 12/2/2013  | 41.5       | 25.6                            | 1.4                             | 31.5                     |                                 |   |
| 7:10                     | 12/16/2013 | 22.5       | 20.0                            | 3.2                             | 54.3                     |                                 |   |
| 7:05                     | 12/27/2013 | 39.5       | 24.6                            | 0.6                             | 35.3                     |                                 |   |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time       | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40 | Comments<br>target percentages |
|--------------------------|------------|------------|---------------------------------|---------------------------------|--------------------------|--------------|--------------------------------|
| GV-6                     | 7:05       | 1/13/2014  | 45.5                            | 24.6                            | 0.4                      | 29.5         |                                |
|                          | 7:15       | 1/30/2014  | 39.5                            | 24.0                            | 0.3                      | 36.2         |                                |
|                          | 7:30       | 2/12/2014  | 39.5                            | 21.8                            | 2.5                      | 36.2         |                                |
|                          | 7:45       | 2/24/2014  | 12.5                            | 15.6                            | 4.2                      | 67.7         |                                |
|                          | 8:15       | 3/10/2014  | 42.0                            | 23.6                            | 0.9                      | 33.5         |                                |
|                          | 8:10       | 3/24/2014  | 12.4                            | 14.0                            | 5.7                      | 67.9         |                                |
|                          | 7:25       | 4/7/2014   | 22.5                            | 18.2                            | 2.2                      | 57.1         |                                |
|                          | 10:42      | 4/22/2014  | 8.5                             | 13.8                            | 5.1                      | 72.6         |                                |
|                          | 7:40       | 5/7/2014   | 20.0                            | 18.2                            | 2.2                      | 59.6         |                                |
|                          | 7:40       | 5/19/2014  | 9.0                             | 16.6                            | 2.9                      | 71.5         |                                |
|                          | 7:10       | 5/30/2014  | 6.0                             | 15.4                            | 4.2                      | 74.4         |                                |
|                          | 7:25       | 6/16/2014  | 3.1                             | 11.6                            | 8.0                      | 77.4         |                                |
|                          | 7:48       | 6/30/2014  | 4.8                             | 12.4                            | 7.8                      | 75.1         |                                |
|                          | 8:00       | 7/14/2014  | 3.0                             | 11.4                            | 8.4                      | 77.2         |                                |
|                          | 7:48       | 7/28/2014  | 1.5                             | 10.2                            | 10.0                     | 78.4         |                                |
|                          | 8:15       | 8/11/2014  | 2.5                             | 11.2                            | 8.4                      | 77.9         |                                |
|                          | 7:20       | 8/25/2014  | 1.1                             | 8.6                             | 10.7                     | 79.7         |                                |
|                          | 7:40       | 9/8/2014   | 1.9                             | 10.4                            | 9.2                      | 78.5         |                                |
|                          | 7:25       | 9/22/2014  | 1.5                             | 9.8                             | 10.4                     | 78.3         |                                |
|                          | 7:45       | 10/7/2014  | 3.0                             | 11.8                            | 7.4                      | 77.9         |                                |
|                          | 7:40       | 10/20/2014 | 6.0                             | 16.0                            | 2.8                      | 75.2         |                                |
|                          | 7:30       | 11/3/2014  | 10.5                            | 16.6                            | 4.2                      | 68.7         |                                |
|                          | 7:25       | 11/17/2014 | 12.5                            | 16.2                            | 4.9                      | 66.4         |                                |
|                          | 7:30       | 12/2/2014  | 9.5                             | 16.2                            | 4.1                      | 70.2         |                                |
|                          | 7:10       | 12/15/2014 | 24.5                            | 20.0                            | 1.7                      | 53.8         | Blower off                     |
|                          | 7:15       | 12/18/2014 | 16.0                            | 18.8                            | 1.6                      | 63.6         |                                |
|                          | 7:25       | 1/2/2015   | 14.5                            | 18.0                            | 2.9                      | 64.6         |                                |
|                          | 7:18       | 1/16/2015  | 12.0                            | 14.5                            | 4.5                      | 69.0         |                                |
|                          | 7:25       | 1/26/2015  | 27.0                            | 19.6                            | 0.6                      | 52.8         |                                |
|                          | 7:25       | 2/9/2015   | 9.0                             | 15.2                            | 4.5                      | 71.3         |                                |
|                          | 7:55       | 2/24/2015  | 19.5                            | 11.4                            | 9.0                      | 60.1         |                                |
|                          | 8:21       | 3/9/2015   | 14.0                            | 16.2                            | 2.2                      | 67.6         |                                |
|                          | 7:20       | 3/23/2015  | 6.5                             | 13.6                            | 3.4                      | 76.5         |                                |
|                          | 7:30       | 4/6/2015   | 7.0                             | 13.8                            | 3.8                      | 75.4         |                                |
|                          | 8:23       | 4/22/2015  | 49.0                            | 9.6                             | 8.7                      | 32.7         |                                |
|                          | 7:15       | 5/4/2015   | 3.7                             | 11.4                            | 5.3                      | 79.7         |                                |
|                          | 7:20       | 5/18/2015  | 7.0                             | 15.6                            | 3.0                      | 74.4         |                                |
|                          | 7:20       | 6/1/2015   | 6.0                             | 15.4                            | 2.9                      | 75.7         |                                |
|                          | 7:27       | 6/15/2015  | 9.5                             | 17.6                            | 1.9                      | 71.0         |                                |
|                          | 7:30       | 6/29/2015  | 12.0                            | 19.0                            | 2.0                      | 67.0         |                                |
|                          | 7:21       | 7/14/2015  | 9.5                             | 18.0                            | 2.5                      | 70.0         |                                |
|                          | 7:16       | 7/27/2015  | 4.6                             | 15.6                            | 3.4                      | 76.4         |                                |
|                          | 7:22       | 8/10/2015  | 5.5                             | 15.4                            | 2.9                      | 76.2         |                                |
|                          | 7:20       | 8/24/2015  | 5.0                             | 15.6                            | 3.4                      | 76.0         |                                |
| 7:35                     | 9/8/2015   | 11.5       | 20.4                            | 1.2                             | 66.9                     |              |                                |
| 7:45                     | 9/21/2015  | 2.8        | 12.4                            | 6.5                             | 78.4                     |              |                                |
| 7:25                     | 10/5/2015  | 8.5        | 19.6                            | 1.3                             | 70.6                     |              |                                |
| 7:30                     | 10/19/2015 | 12.0       | 19.2                            | 1.7                             | 67.1                     |              |                                |
| 7:45                     | 11/2/2015  | 3.3        | 12.2                            | 6.6                             | 78.0                     |              |                                |
| 7:25                     | 11/16/2015 | 8.5        | 18.2                            | 1.1                             | 72.2                     |              |                                |
| 10:55                    | 11/30/2015 | 7.0        | 15.0                            | 5.6                             | 72.4                     |              |                                |
| 7:16                     | 12/15/2015 | 5.5        | 14.2                            | 3.7                             | 76.6                     |              |                                |
| 7:30                     | 12/28/2015 | 11.0       | 18.6                            | 1.3                             | 69.1                     |              |                                |
| 8:11                     | 1/9/2016   | 8.0        | 15.0                            | 3.6                             | 73.4                     |              |                                |
| 7:45                     | 1/25/2016  | 20.0       | 20.6                            | 1.3                             | 58.1                     |              |                                |
| 7:45                     | 2/8/2016   | 14.5       | 17.2                            | 2.3                             | 66.0                     |              |                                |
| 8:27                     | 2/22/2016  | 12.0       | 15.8                            | 1.7                             | 70.5                     |              |                                |
| 7:42                     | 3/7/2016   | 19.5       | 16.6                            | 1.9                             | 62.0                     |              |                                |
| 8:25                     | 3/21/2016  | 16.5       | 18.8                            | 1.4                             | 63.3                     |              |                                |
| 7:45                     | 4/4/2016   | 1.5        | 10.4                            | 8.8                             | 79.4                     |              |                                |
| 8:00                     | 4/18/2016  | 8.5        | 15.2                            | 3.1                             | 73.2                     |              |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active Extraction Points | Time       | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40                         | Comments<br>target percentages |
|--------------------------|------------|------------|---------------------------------|---------------------------------|--------------------------|--------------------------------------|--------------------------------|
| GV-6                     | 9:35       | 5/3/2016   | 19.5                            | 18.8                            | 2.0                      | 59.7                                 |                                |
|                          | 7:45       | 5/16/2016  | 20.0                            | 19.4                            | 2.0                      | 58.6                                 |                                |
|                          | 7:40       | 6/2/2016   | 10.5                            | 16.8                            | 3.2                      | 69.5                                 |                                |
|                          | 7:45       | 6/14/2016  | 16.5                            | 19.4                            | 2.3                      | 61.8                                 |                                |
|                          | 7:40       | 6/27/2016  | 7.5                             | 15.2                            | 3.9                      | 73.4                                 |                                |
|                          | 10:15      | 7/14/2016  | 9.5                             | 17.4                            | 3.8                      | 69.3                                 |                                |
|                          | 7:50       | 7/25/2016  | 4.3                             | 13.2                            | 6.9                      | 75.6                                 |                                |
|                          | 7:40       | 8/8/2016   | 5.5                             | 13.8                            | 6.9                      | 73.8                                 |                                |
|                          | 7:25       | 8/25/2016  | 4.7                             | 13.0                            | 7.4                      | 75.0                                 |                                |
|                          | 7:25       | 9/6/2016   | 4.9                             | 12.2                            | 8.2                      | 74.8                                 |                                |
|                          | 9:55       | 10/3/2016  | 5.0                             | 13.2                            | 7.3                      | 74.5                                 |                                |
|                          | 8:06       | 10/19/2016 | 2.2                             | 9.8                             | 10.1                     | 78.0                                 |                                |
|                          | 8:38       | 10/31/2016 | 5.5                             | 13.0                            | 7.8                      | 73.7                                 |                                |
|                          | 8:07       | 11/14/2016 | 6.5                             | 14.6                            | 5.8                      | 73.1                                 |                                |
|                          | 9:01       | 11/28/2016 | 15.5                            | 18.8                            | 2.2                      | 63.5                                 |                                |
|                          | 9:10       | 12/9/2016  | 4.5                             | 13.4                            | 6.7                      | 75.4                                 |                                |
|                          | 7:50       | 12/22/2016 | 7.5                             | 15.4                            | 3.5                      | 73.6                                 |                                |
|                          | 7:50       | 1/4/2017   | 13.0                            | 16.4                            | 2.9                      | 67.7                                 |                                |
|                          | 7:20       | 1/13/2017  | 12.1                            | 14.8                            | 3.3                      | 69.8                                 |                                |
|                          | 7:16       | 1/27/2017  | 24.5                            | 19.6                            | 1.8                      | 54.1                                 |                                |
|                          | 7:47       | 2/13/2017  | 14.5                            | 14.8                            | 2.5                      | 68.2                                 |                                |
|                          | 7:50       | 2/27/2017  | 17.0                            | 15.8                            | 3.3                      | 63.9                                 |                                |
|                          | 8:15       | 3/13/2017  | 36.5                            | 20.8                            | 0.6                      | 42.1                                 |                                |
|                          | 7:18       | 3/28/2017  | 24.0                            | 17.6                            | 2.8                      | 55.6                                 |                                |
|                          | 8:00       | 4/12/2017  | 17.5                            | 17.4                            | 2.8                      | 62.3                                 |                                |
|                          | 7:40       | 4/18/2017  | 25.0                            | 19.4                            | 2.3                      | 53.3                                 |                                |
|                          | 7:09       | 4/25/2017  | 35.5                            | 21.6                            | 2.0                      | 40.9                                 |                                |
|                          | 7:12       | 5/8/2017   | 17.5                            | 19.0                            | 2.7                      | 60.8                                 |                                |
|                          | 7:22       | 5/22/2017  | 17.5                            | 19.2                            | 2.3                      | 61.0                                 |                                |
|                          | 7:40       | 6/5/2017   | 11.0                            | 17.6                            | 3.2                      | 68.2                                 |                                |
|                          | 7:28       | 6/19/2017  | 4.8                             | 14.0                            | 5.8                      | 75.5                                 |                                |
|                          | 8:24       | 7/4/2017   | 6.5                             | 14.8                            | 6.3                      | 72.4                                 |                                |
|                          | 7:46       | 7/18/2017  | 7.5                             | 16.6                            | 4.4                      | 71.5                                 |                                |
|                          | 7:50       | 8/1/2017   | 10.0                            | 18.0                            | 4.0                      | 68.0                                 |                                |
|                          | 7:56       | 8/14/2017  | 16.0                            | 21.0                            | 2.8                      | 60.2                                 |                                |
|                          | 8:10       | 8/29/2017  | 10.0                            | 17.6                            | 4.7                      | 67.7                                 |                                |
|                          | 7:58       | 9/12/2017  | 17.0                            | 20.8                            | 3.9                      | 58.3                                 |                                |
|                          | 8:09       | 9/25/2017  | 9.5                             | 16.2                            | 5.7                      | 68.6                                 |                                |
|                          | 8:12       | 10/10/2017 | 3.4                             | 11.0                            | 9.9                      | 75.7                                 |                                |
|                          | 7:52       | 10/23/2017 | 13.5                            | 16.4                            | 6.4                      | 63.7                                 |                                |
|                          | 7:59       | 11/6/2017  | 2.6                             | 10.0                            | 9.1                      | 78.3                                 |                                |
|                          | 8:06       | 11/17/2017 | 18.0                            | 20.8                            | 2.3                      | 58.9                                 |                                |
|                          | 8:03       | 12/1/2017  | 5.0                             | 10.6                            | 9.2                      | 75.2                                 |                                |
|                          | 8:13       | 12/18/2017 | 10.0                            | 14.0                            | 6.1                      | 69.9                                 |                                |
|                          | 8:49       | 1/3/2018   | 9.5                             | 11.8                            | 8.0                      | 70.7                                 |                                |
|                          | 7:59       | 1/11/2018  | 12.0                            | 14.0                            | 6.7                      | 67.3                                 |                                |
|                          | 7:57       | 1/26/2018  | 5.0                             | 8.6                             | 11.7                     | 74.7                                 |                                |
|                          | 8:14       | 2/13/2018  | 2.1                             | 6.8                             | 13.3                     | 77.8                                 |                                |
|                          | 7:44       | 2/27/2018  | 2.3                             | 8.4                             | 7.7                      | 81.6                                 |                                |
|                          | 7:44       | 3/13/2018  | 1.6                             | 6.2                             | 12.7                     | 79.6                                 |                                |
| 8:06                     | 3/28/2018  | 3.2        | 9.6                             | 7.4                             | 79.9                     |                                      |                                |
| 8:19                     | 4/10/2018  | 2.1        | 8.0                             | 9.6                             | 80.4                     |                                      |                                |
| 7:49                     | 4/25/2018  | 4.5        | 9.4                             | 7.8                             | 78.3                     |                                      |                                |
| 8:06                     | 5/8/2018   | 3.7        | 10.2                            | 7.3                             | 78.8                     |                                      |                                |
| 7:53                     | 5/21/2018  | 3.0        | 9.4                             | 9.9                             | 77.7                     |                                      |                                |
| 8:11                     | 6/5/2018   | 4.3        | 11.8                            | 6.9                             | 77.1                     |                                      |                                |
| 7:58                     | 6/20/2018  | 6.5        | 13.8                            | 5.9                             | 73.8                     |                                      |                                |
| 8:06                     | 6/28/2018  | 5.0        | 13.8                            | 5.6                             | 75.6                     |                                      |                                |
| 6:00                     | 8/2/2018   | 3.6        | 20.0                            | 4.4                             | 72.0                     | Rental meter read "over" for methane |                                |
| 6:32                     | 9/15/2018  | 33         | 25.8                            | 3.4                             | 37.8                     |                                      |                                |
| 8:35                     | 9/26/2018  | 8.0        | 12.8                            | 9.0                             | 70.2                     |                                      |                                |
| 10:53                    | 10/26/2018 | 10.0       | 12.2                            | 10.3                            | 67.5                     |                                      |                                |
| 7:45                     | 11/9/2018  | 11.0       | 13.2                            | 8.2                             | 67.6                     |                                      |                                |
| 7:22                     | 11/21/2018 | 5.0        | 13.2                            | 7.3                             | 74.5                     |                                      |                                |
| 13:08                    | 12/6/2018  | 6.5        | 11.4                            | 8.4                             | 73.7                     |                                      |                                |
| 13:00                    | 12/20/2018 | 9.0        | 9.8                             | 11.0                            | 70.2                     |                                      |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6a. Landfill Gas Field Parameter Monitoring Results of Active Extraction Points

| Active<br>Extraction<br>Points | Time | Date | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|--------------------------------|------|------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
|--------------------------------|------|------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|

Notes:

A rental landfill gas meter was used on 8/2/18, it only read "over" for all values over 33% LEL and 5% volume.  
 For calculation and graphical representation purposes, an average of the previous 10 methane readings is used

CH4 = Methane  
 CO2 = Carbon Dioxide  
 O2 = Oxygen  
 N = Nitrogen

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

| Closed Extraction Points | Time      | Date       | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40 | Comments<br>target percentages |
|--------------------------|-----------|------------|---------------------------------|---------------------------------|--------------------------|--------------|--------------------------------|
| GV-1                     | 11:33     | 3/20/2006  | 10.2                            | 8.1                             | 14.9                     | 66.8         | pre-startup                    |
|                          | 10:08     | 3/22/2006  | 17.2                            | 11.7                            | 14.8                     | 56.3         |                                |
|                          | 11:33     | 3/22/2006  | 10.2                            | 8.1                             | 14.9                     | 66.8         |                                |
|                          | 15:38     | 3/22/2006  | 48.6                            | 29.2                            | 1.4                      | 20.8         |                                |
|                          | 8:39      | 3/23/2006  | 43.2                            | 26.9                            | 1.0                      | 28.9         |                                |
|                          | 16:40     | 3/23/2006  | 41.1                            | 21.9                            | 2.4                      | 34.6         |                                |
|                          | 15:00     | 3/24/2006  | 11.5                            | 8.6                             | 13.4                     | 66.5         |                                |
|                          | 14:50     | 3/28/2006  | 8.7                             | 7.4                             | 13.4                     | 70.5         |                                |
|                          | 19:02     | 3/30/2006  | 21.1                            | 19.6                            | 2.4                      | 56.9         |                                |
|                          | 13:20     | 4/5/2006   | 23.0                            | 17.0                            | 9.8                      | 50.2         |                                |
|                          | 13:15     | 4/6/2006   | 8.0                             | 8.2                             | 13.3                     | 70.5         |                                |
|                          | 13:30     | 4/11/2006  | 10.2                            | 13.4                            | 6.7                      | 69.7         |                                |
|                          | 10:51     | 4/14/2006  | 12.1                            | 16.6                            | 2.3                      | 69.0         |                                |
|                          | 15:32     | 4/14/2006  | 22.8                            | 24.9                            | 1.0                      | 51.3         |                                |
|                          | 10:15     | 4/17/2006  | 19.6                            | 24.6                            | 5.0                      | 50.8         |                                |
|                          | 19:36     | 4/27/2006  | 11.3                            | 16.8                            | 1.9                      | 70.0         |                                |
|                          | 13:22     | 5/4/2006   | 0.4                             | 0.1                             | 2.5                      | 97.0         |                                |
|                          | 10:30     | 5/22/2006  | 5.9                             | 19.0                            | 3.0                      | 72.1         |                                |
|                          | 14:32     | 6/2/2006   | 6.6                             | 19.5                            | 3.4                      | 70.5         |                                |
|                          | 8:35      | 6/9/2006   | 7.9                             | 17.8                            | 6.4                      | 67.9         |                                |
|                          | 12:04     | 6/14/2006  | 7.1                             | 10.8                            | 15.4                     | 66.7         |                                |
|                          | 10:57     | 6/22/2006  | 6.3                             | 19.5                            | 5.6                      | 68.6         |                                |
|                          | 11:31     | 7/5/2006   | 5.3                             | 20.0                            | 5.9                      | 68.8         |                                |
|                          | 10:45     | 7/10/2006  | 4.7                             | 18.8                            | 5.2                      | 71.3         |                                |
|                          | 10:11     | 7/17/2006  | 5.7                             | 19.8                            | 5.7                      | 68.8         |                                |
|                          | 14:11     | 7/28/2006  | 5.8                             | 19.7                            | 5.3                      | 69.2         |                                |
|                          | 10:04     | 8/8/2006   | 4.6                             | 18.2                            | 6.4                      | 70.8         |                                |
|                          | 9:16      | 8/16/2006  | 2.4                             | 1.3                             | 7.1                      | 89.2         |                                |
|                          | 8:33      | 8/21/2006  | 4.3                             | 18.0                            | 7.5                      | 70.2         |                                |
|                          | 2:18      | 8/28/2006  | 3.4                             | 18.2                            | 8.1                      | 70.3         |                                |
|                          | 11:31     | 9/13/2006  | 8.1                             | 0.0                             | 8.9                      | 83.0         |                                |
|                          | 11:29     | 9/25/2006  | 0.3                             | 0.6                             | 4.9                      | 94.2         |                                |
|                          | 8:29      | 10/10/2006 | 4.0                             | 11.6                            | 13.0                     | 71.4         |                                |
|                          | 8:35      | 10/23/2006 | 0.7                             | 0.1                             | 20.4                     | 78.8         |                                |
|                          | 14:16     | 11/2/2006  | 4.9                             | 13.8                            | 8.6                      | 72.8         |                                |
|                          | 15:04     | 11/14/2006 | 0.3                             | 0.0                             | 20.1                     | 79.7         |                                |
|                          | 11:31     | 11/27/2006 | 0.2                             | 0.0                             | 20.2                     | 79.7         |                                |
|                          | 13:19     | 12/26/2006 | 4.9                             | 14.0                            | 7.3                      | 73.8         |                                |
|                          | 12:58     | 1/27/2007  | 3.3                             | 12.6                            | 7.4                      | 76.7         |                                |
|                          | 9:28      | 2/15/2007  | 0.3                             | 5.6                             | 14.2                     | 80.0         |                                |
| 11:45                    | 2/24/2007 | 0.6        | 5.4                             | 15.1                            | 78.9                     |              |                                |
| 9:38                     | 3/1/2007  | 7.5        | 18.6                            | 0.9                             | 73.0                     |              |                                |
| 10:07                    | 3/1/2007  | 6.5        | 18.0                            | 1.7                             | 73.8                     |              |                                |
| 11:11                    | 3/1/2007  | 7.0        | 18.0                            | 2.1                             | 72.9                     |              |                                |
| 12:20                    | 3/1/2007  | 6.5        | 18.4                            | 2.2                             | 72.9                     |              |                                |
| 13:40                    | 3/1/2007  | 5.5        | 17.8                            | 3.2                             | 73.5                     |              |                                |
| 13:42                    | 3/1/2007  | 6.0        | 17.4                            | 3.8                             | 72.8                     |              |                                |
| 14:36                    | 3/1/2007  | 5.5        | 16.4                            | 4.2                             | 73.9                     |              |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

| Closed Extraction Points | Time  | Date      | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages    |
|--------------------------|-------|-----------|------------------------------------|------------------------------------|-----------------------------|-----------------|-----------------------------------|
| GV-1                     | 7:45  | 3/5/2007  | 0.3                                | 3.2                                | 16.6                        | 79.9            | adjust blower time, 12 on, 12 off |
|                          | 7:45  | 3/24/2007 | 1.4                                | 11.2                               | 8.0                         | 79.5            |                                   |
|                          | 16:32 | 3/24/2007 | 1.1                                | 10.4                               | 9.0                         | 79.5            |                                   |
|                          | 16:45 | 3/26/2007 | 0.5                                | 8.6                                | 10.7                        | 80.2            |                                   |
|                          | 7:05  | 3/27/2007 | 0.4                                | 8.0                                | 11.8                        | 79.9            |                                   |
|                          | 16:50 | 3/28/2007 | 0.6                                | 8.8                                | 11.7                        | 78.9            |                                   |
|                          | 7:35  | 3/29/2007 | 0.3                                | 9.0                                | 10.6                        | 80.1            |                                   |
|                          | 16:38 | 3/29/2007 | 0.4                                | 8.6                                | 11.2                        | 79.8            |                                   |
|                          | 7:35  | 3/30/2007 | 8.0                                | 17.8                               | 1.6                         | 72.6            | blower off                        |
|                          | 10:42 | 5/30/2007 | 29.5                               | 25.0                               | 0.8                         | 44.7            | restart and run 24 hrs            |
|                          | 13:50 | 5/30/2007 | 23.5                               | 23.6                               | 1.2                         | 51.7            |                                   |
|                          | 10:05 | 5/31/2007 | 8.5                                | 17.4                               | 2.3                         | 71.8            | reduce to 12 on 12 off            |
|                          | 16:05 | 6/1/2007  | 5.5                                | 15.8                               | 3.0                         | 75.7            |                                   |
|                          | 15:10 | 6/2/2007  | 4.8                                | 15.0                               | 3.2                         | 77.1            |                                   |
|                          | 15:40 | 6/3/2007  | 4.0                                | 14.6                               | 3.6                         | 77.8            |                                   |
|                          | 13:50 | 6/4/2007  | 3.0                                | 14.0                               | 4.7                         | 78.3            | reduce to 6 on 18 off             |
|                          | 14:23 | 6/7/2007  | 7.0                                | 16.8                               | 2.2                         | 74.0            |                                   |
|                          | 16:05 | 6/12/2007 | 0.9                                | 11.2                               | 9.6                         | 78.3            |                                   |
|                          | 13:45 | 6/14/2007 | 1.5                                | 12.0                               | 8.3                         | 78.3            |                                   |
|                          | 13:45 | 6/19/2007 | 1.4                                | 12.2                               | 8.5                         | 78.0            |                                   |
|                          |       | 6/21/2007 |                                    |                                    |                             |                 | vent closed                       |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen



Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

| Closed Extraction Points | Time      | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40                   | Comments<br>target percentages |
|--------------------------|-----------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------------------------|--------------------------------|
| GV-4                     | 11:23     | 3/20/2006  | 15.6                               | 15.9                               | 9.1                         | 59.4                              | pre-startup                    |
|                          | 10:04     | 3/22/2006  | 45.0                               | 26.7                               | 2.7                         | 25.6                              |                                |
|                          | 15:30     | 3/22/2006  | 54.0                               | 32.9                               | 0.9                         | 12.2                              |                                |
|                          | 8:33      | 3/23/2006  | 50.6                               | 32.3                               | 0.9                         | 16.2                              |                                |
|                          | 16:32     | 3/23/2006  | 42.4                               | 26.0                               | 0.8                         | 30.8                              |                                |
|                          | 14:56     | 3/24/2006  | 30.0                               | 15.7                               | 16.0                        | 38.3                              |                                |
|                          | 14:20     | 3/28/2006  | 10.5                               | 9.9                                | 8.9                         | 70.7                              |                                |
|                          | 19:25     | 3/30/2006  | 27.4                               | 25.4                               | 1.6                         | 45.6                              |                                |
|                          | 13:15     | 4/5/2006   | 16.0                               | 16.9                               | 8.2                         | 58.9                              |                                |
|                          | 12:45     | 4/6/2006   | 14.2                               | 15.1                               | 8.8                         | 61.9                              |                                |
|                          | 13:05     | 4/11/2006  | 11.7                               | 12.9                               | 11.5                        | 63.9                              |                                |
|                          | 10:47     | 4/14/2006  | 22.7                               | 23.6                               | 1.6                         | 52.1                              |                                |
|                          | 15:24     | 4/14/2006  | 15.5                               | 30.4                               | 2.5                         | 51.6                              |                                |
|                          | 9:55      | 4/17/2006  | 10.0                               | 15.5                               | 7.6                         | 66.9                              |                                |
|                          | 19:25     | 4/27/2006  | 8.1                                | 15.2                               | 3.7                         | 73.0                              |                                |
|                          | 13:07     | 5/4/2006   | 7.4                                | 15.3                               | 5.3                         | 72.0                              |                                |
|                          | 10:15     | 5/22/2006  | 6.8                                | 16.4                               | 5.8                         | 71.0                              |                                |
|                          | 14:45     | 6/2/2006   | 14.1                               | 31.6                               | 5.1                         | 49.2                              |                                |
|                          | 8:18      | 6/9/2006   | 10.1                               | 0.6                                | 8.0                         | 81.3                              |                                |
|                          | 12:32     | 6/14/2006  | 10.4                               | 21.1                               | 7.7                         | 60.8                              |                                |
|                          | 11:30     | 6/22/2006  | 0.6                                | 0.4                                | 19.9                        | 79.1                              |                                |
|                          | 12:04     | 7/5/2006   | 12.7                               | 8.8                                | 5.1                         | 73.4                              |                                |
|                          | 11:28     | 7/10/2006  | 6.3                                | 24.5                               | 2.5                         | 66.7                              |                                |
|                          | 10:48     | 7/17/2006  | 5.7                                | 21.0                               | 5.4                         | 67.9                              |                                |
|                          | 13:58     | 7/28/2006  | 8.0                                | 25.3                               | 2.8                         | 63.9                              |                                |
|                          | 9:44      | 8/8/2006   | 6.2                                | 23.0                               | 4.0                         | 66.8                              |                                |
|                          | 9:03      | 8/16/2006  | 6.1                                | 23.2                               | 4.0                         | 66.7                              |                                |
|                          | 8:17      | 8/21/2006  | 7.0                                | 0.5                                | 4.6                         | 87.9                              |                                |
|                          | 2:06      | 8/28/2006  | 7.4                                | 25.9                               | 3.9                         | 62.8                              |                                |
|                          | 11:20     | 9/13/2006  | 8.1                                | 0.1                                | 3.3                         | 88.5                              |                                |
|                          | 11:17     | 9/25/2006  | 10.1                               | 0.3                                | 1.3                         | 88.3                              |                                |
|                          | 8:17      | 10/10/2006 | 7.4                                | 25.4                               | 3.4                         | 63.8                              |                                |
|                          | 8:17      | 10/23/2006 | 7.8                                | 24.0                               | 6.3                         | 61.9                              |                                |
|                          | 13:45     | 11/2/2006  | 6.0                                | 20.4                               | 4.2                         | 69.4                              |                                |
|                          | 14:51     | 11/14/2006 | 8.0                                | 16.6                               | 6.4                         | 69.0                              |                                |
|                          | 11:25     | 11/27/2006 | 4.0                                | 14.8                               | 6.3                         | 75.0                              |                                |
|                          | 12:50     | 12/26/2006 | 4.4                                | 18.8                               | 3.1                         | 73.7                              |                                |
|                          | 13:42     | 1/27/2007  | 9.0                                | 20.4                               | 2.7                         | 67.9                              |                                |
|                          | 9:26      | 2/15/2007  | 0.5                                | 14.4                               | 3.8                         | 81.3                              |                                |
|                          | 11:18     | 2/24/2007  | 3.2                                | 14.8                               | 6.7                         | 75.3                              |                                |
| 9:32                     | 3/1/2007  | 16.5       | 22.2                               | 0.2                                | 61.1                        |                                   |                                |
| 9:50                     | 3/1/2007  | 16.5       | 22.6                               | 0.8                                | 60.1                        |                                   |                                |
| 11:05                    | 3/1/2007  | 12.0       | 19.8                               | 1.2                                | 67.0                        |                                   |                                |
| 12:13                    | 3/1/2007  | 12.0       | 19.2                               | 1.2                                | 67.6                        |                                   |                                |
| 13:15                    | 3/1/2007  | 10.5       | 19.0                               | 1.2                                | 69.3                        |                                   |                                |
| 13:17                    | 3/1/2007  | 10.5       | 19.2                               | 1.0                                | 69.3                        |                                   |                                |
| 14:25                    | 3/1/2007  | 9.5        | 1.2                                | 17.6                               | 71.7                        |                                   |                                |
| 8:15                     | 3/5/2007  | 6.0        | 16.8                               | 3.2                                | 74.0                        | adjust blower time, 12 on, 12 off |                                |
| 8:15                     | 3/24/2007 | 9.5        | 21.8                               | 1.0                                | 67.7                        |                                   |                                |
| 17:00                    | 3/24/2007 | 7.0        | 20.8                               | 1.3                                | 70.9                        |                                   |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

| Closed Extraction Points | Time      | Date      | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40 | Comments<br>target percentages |
|--------------------------|-----------|-----------|---------------------------------|---------------------------------|--------------------------|--------------|--------------------------------|
| GV-4                     | 17:14     | 3/26/2007 | 2.6                             | 19.2                            | 2.1                      | 76.1         |                                |
|                          | 7:33      | 3/27/2007 | 1.7                             | 18.8                            | 2.8                      | 76.7         |                                |
|                          | 16:24     | 3/28/2007 | 2.5                             | 19.2                            | 1.9                      | 76.4         |                                |
|                          | 8:08      | 3/29/2007 | 2.9                             | 19.2                            | 1.5                      | 76.4         |                                |
|                          | 17:04     | 3/29/2007 | 3.3                             | 19.2                            | 1.7                      | 75.9         |                                |
|                          | 8:08      | 3/30/2007 | 8.5                             | 20.6                            | 0.2                      | 70.7         | blower off                     |
|                          | 10:54     | 5/30/2007 | 39.5                            | 27.4                            | 0.2                      | 32.9         | restart and run 24 hrs         |
|                          | 13:34     | 5/30/2007 | 37.5                            | 26.8                            | 0.2                      | 35.5         |                                |
|                          | 10:35     | 5/31/2007 | 16.5                            | 23.8                            | 0.2                      | 59.5         | reduce to 12 on 12 off         |
|                          | 16:36     | 6/1/2007  | 12.5                            | 22.5                            | 0.4                      | 64.6         |                                |
|                          | 15:33     | 6/2/2007  | 11.0                            | 22.4                            | 0.4                      | 66.2         |                                |
|                          | 16:13     | 6/3/2007  | 9.5                             | 21.8                            | 0.3                      | 68.4         |                                |
|                          | 14:15     | 6/4/2007  | 6.5                             | 21.6                            | 0.4                      | 71.5         | reduce to 6 on 18 off          |
|                          | 14:59     | 6/7/2007  | 9.5                             | 22.2                            | 0.1                      | 68.2         |                                |
|                          | 17:25     | 6/12/2007 | 4.4                             | 20.8                            | 1.0                      | 73.8         |                                |
|                          | 14:40     | 6/14/2007 | 4.3                             | 20.6                            | 0.5                      | 74.7         |                                |
|                          | 14:50     | 6/19/2007 | 5.0                             | 21.0                            | 0.8                      | 73.2         |                                |
|                          | 14:50     | 6/21/2007 | 7.5                             | 21.6                            | 0.7                      | 70.2         |                                |
|                          | 14:40     | 7/11/2007 | 10.5                            | 23.0                            | 0.4                      | 66.1         |                                |
|                          | 14:08     | 7/23/2007 | 12.5                            | 23.6                            | 0.4                      | 63.5         |                                |
| 14:06                    | 8/8/2007  | 13.0      | 24.0                            | 0.4                             | 62.6                     |              |                                |
| 13:40                    | 8/13/2007 | 10.0      | 23.4                            | 0.9                             | 65.7                     |              |                                |
| 13:50                    | 8/20/2007 | 4.6       | 21.6                            | 0.8                             | 73.0                     |              |                                |
| 14:35                    | 8/28/2007 | 3.1       | 20.2                            | 0.9                             | 75.8                     |              |                                |
|                          | 8/31/2007 |           |                                 |                                 |                          | vent closed  |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

| Closed Extraction Points | Time      | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40                   | Comments<br>target percentages |  |
|--------------------------|-----------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------------------------|--------------------------------|--|
| GV-7                     | 11:17     | 3/20/2006  | 9.3                                | 6.8                                | 15.8                        | 68.1                              | pre-startup                    |  |
|                          | 9:58      | 3/22/2006  | 44.0                               | 24.8                               | 1.3                         | 29.9                              |                                |  |
|                          | 15:46     | 3/22/2006  | 11.1                               | 24.5                               | 1.3                         | 63.1                              |                                |  |
|                          | 8:44      | 3/23/2006  | 36.7                               | 25.0                               | 1.6                         | 36.7                              |                                |  |
|                          | 14:40     | 3/24/2006  | 8.2                                | 6.8                                | 15.3                        | 69.7                              |                                |  |
|                          | 14:40     | 3/28/2006  | 8.5                                | 8.3                                | 12.7                        | 70.5                              |                                |  |
|                          | 19:13     | 3/30/2006  | 19.8                               | 18.8                               | 3.2                         | 58.2                              |                                |  |
|                          | 13:30     | 4/5/2006   | 11.5                               | 12.5                               | 9.8                         | 66.2                              |                                |  |
|                          | 13:00     | 4/6/2006   | 8.1                                | 8.5                                | 12.5                        | 70.9                              |                                |  |
|                          | 13:15     | 4/11/2006  | 13.9                               | 16.6                               | 4.8                         | 64.7                              |                                |  |
|                          | 10:55     | 4/14/2006  | 13.9                               | 17.1                               | 2.3                         | 66.7                              |                                |  |
|                          | 15:39     | 4/14/2006  | 28.6                               | 29.2                               | 3.5                         | 38.7                              |                                |  |
|                          | 10:05     | 4/17/2006  | 13.1                               | 18.3                               | 7.9                         | 60.7                              |                                |  |
|                          | 19:45     | 4/27/2006  | 8.7                                | 13.6                               | 5.4                         | 72.3                              |                                |  |
|                          | 13:17     | 5/4/2006   | 0.0                                | 0.0                                | 6.3                         | 93.7                              |                                |  |
|                          | 10:23     | 5/22/2006  | 6.7                                | 15.1                               | 7.0                         | 71.2                              |                                |  |
|                          | 8:26      | 6/9/2006   | 9.8                                | 24.8                               | 9.1                         | 56.3                              |                                |  |
|                          | 12:40     | 6/14/2006  | 8.2                                | 13.5                               | 8.7                         | 69.6                              |                                |  |
|                          | 10:48     | 6/22/2006  | 5.6                                | 15.4                               | 7.8                         | 71.2                              |                                |  |
|                          | 12:14     | 7/5/2006   | 5.2                                | 17.1                               | 7.4                         | 70.3                              |                                |  |
|                          | 11:35     | 7/10/2006  | 0.0                                | 0.0                                | 5.6                         | 94.4                              |                                |  |
|                          | 11:00     | 7/17/2006  | 4.6                                | 16.4                               | 7.0                         | 72.0                              |                                |  |
|                          | 14:07     | 7/28/2006  | 6.2                                | 16.7                               | 6.7                         | 70.4                              |                                |  |
|                          | 9:59      | 8/8/2006   | 4.9                                | 15.6                               | 7.9                         | 71.6                              |                                |  |
|                          | 9:08      | 8/16/2006  | 5.6                                | 15.1                               | 8.3                         | 71.0                              |                                |  |
|                          | 8:25      | 8/21/2006  | 1.6                                | 4.2                                | 9.3                         | 84.9                              |                                |  |
|                          | 2:12      | 8/28/2006  | 5.2                                | 14.8                               | 8.8                         | 71.2                              |                                |  |
|                          | 11:25     | 9/13/2006  | 4.6                                | 13.3                               | 9.9                         | 72.2                              |                                |  |
|                          | 11:23     | 9/25/2006  | 6.8                                | 0.5                                | 5.1                         | 87.6                              |                                |  |
|                          | 8:22      | 10/10/2006 | 5.2                                | 13.8                               | 11.3                        | 69.7                              |                                |  |
|                          | 8:24      | 10/23/2006 | 2.4                                | 3.0                                | 16.0                        | 78.6                              |                                |  |
|                          | 14:10     | 11/2/2006  | 6.5                                | 13.0                               | 9.4                         | 71.1                              |                                |  |
|                          | 14:59     | 11/14/2006 | 2.6                                | 8.6                                | 11.5                        | 77.3                              |                                |  |
|                          | 11:30     | 11/27/2006 | 2.7                                | 8.6                                | 11.7                        | 77.1                              |                                |  |
|                          | 13:05     | 12/26/2006 | 9.0                                | 16.0                               | 6.0                         | 69.0                              |                                |  |
|                          | 14:12     | 1/27/2007  | 8.0                                | 4.8                                | 5.4                         | 81.8                              |                                |  |
|                          | 9:33      | 2/15/2007  | 0.9                                | 15.0                               | 3.3                         | 80.8                              |                                |  |
|                          | 11:30     | 2/24/2007  | sampling port clogged with ice     |                                    |                             |                                   |                                |  |
|                          | 9:43      | 3/1/2007   | 30.5                               | 27.2                               | 0.3                         | 42.0                              |                                |  |
|                          | 10:20     | 3/1/2007   | 18.5                               | 23.4                               | 0.7                         | 57.4                              |                                |  |
| 11:17                    | 3/1/2007  | 20.5       | 24.2                               | 0.4                                | 54.9                        |                                   |                                |  |
| 12:24                    | 3/1/2007  | 17.0       | 23.0                               | 0.4                                | 59.6                        |                                   |                                |  |
| 14:04                    | 3/1/2007  | 17.5       | 23.0                               | 0.8                                | 58.7                        |                                   |                                |  |
| 14:42                    | 3/1/2007  | 16.0       | 22.0                               | 1.5                                | 60.5                        |                                   |                                |  |
| 7:55                     | 3/5/2007  | 4.9        | 17.4                               | 2.6                                | 75.1                        | adjust blower time, 12 on, 12 off |                                |  |
| 7:55                     | 3/24/2007 | 7.0        | 12.2                               | 6.6                                | 74.2                        |                                   |                                |  |
| 16:37                    | 3/24/2007 | 6.5        | 12.0                               | 6.7                                | 74.8                        |                                   |                                |  |
| 16:56                    | 3/26/2007 | 5.0        | 11.4                               | 7.4                                | 76.2                        |                                   |                                |  |
| 7:14                     | 3/27/2007 | 4.1        | 10.4                               | 8.9                                | 76.6                        |                                   |                                |  |
| 16:38                    | 3/28/2007 | 4.6        | 11.6                               | 8.0                                | 75.8                        |                                   |                                |  |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

| Closed Extraction Points | Time      | Date      | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|--------------------------|-----------|-----------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GV-7                     | 7:45      | 3/29/2007 | 4.2                                | 12.6                               | 6.3                         | 77.0            |                                |
|                          | 16:47     | 3/29/2007 | 4.9                                | 12.4                               | 6.8                         | 76.0            |                                |
|                          | 7:40      | 3/30/2007 | 4.0                                | 14.2                               | 4.5                         | 77.4            | blower off                     |
|                          | 10:50     | 5/30/2007 | 35.5                               | 26.2                               | 0.5                         | 37.8            | restart and run 24 hrs         |
|                          | 13:42     | 5/30/2007 | 28.5                               | 21.4                               | 1.4                         | 48.7            |                                |
|                          | 10:15     | 5/31/2007 | 16.5                               | 17.4                               | 2.7                         | 63.4            | reduce to 12 on 12 off         |
|                          | 16:15     | 6/1/2007  | 15.0                               | 17.0                               | 2.7                         | 65.3            |                                |
|                          | 15:17     | 6/2/2007  | 14.0                               | 16.8                               | 3.0                         | 66.2            |                                |
|                          | 15:48     | 6/3/2007  | 13.5                               | 16.6                               | 3.1                         | 66.8            |                                |
|                          | 13:54     | 6/4/2007  | 11.5                               | 15.6                               | 4.0                         | 68.9            | reduce to 6 on 18 off          |
|                          | 14:32     | 6/7/2007  | 15.0                               | 18.0                               | 2.1                         | 64.9            |                                |
|                          | 16:25     | 6/12/2007 | 8.0                                | 14.2                               | 6.2                         | 71.6            |                                |
|                          | 14:05     | 6/14/2007 | 9.5                                | 15.0                               | 5.6                         | 69.9            |                                |
|                          | 13:45     | 6/19/2007 | 8.0                                | 14.2                               | 6.7                         | 71.1            |                                |
|                          | 6/21/2007 |           |                                    |                                    |                             | vent closed     |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

| Closed Extraction Points | Time      | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40                   | Comments<br>target percentages |
|--------------------------|-----------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------------------------|--------------------------------|
| GV-9                     | 11:13     | 3/20/2006  | 16.8                               | 14.0                               | 9.7                         | 59.5                              | pre-startup                    |
|                          | 9:56      | 3/22/2006  | 42.7                               | 27.8                               | 0.8                         | 28.7                              |                                |
|                          | 15:42     | 3/22/2006  | 47.8                               | 30.5                               | 1.3                         | 20.4                              |                                |
|                          | 8:42      | 3/23/2006  | 49.0                               | 31.4                               | 1.0                         | 18.6                              |                                |
|                          | 16:43     | 3/23/2006  | 56.4                               | 36.6                               | 0.9                         | 6.1                               |                                |
|                          | 16:48     | 3/23/2006  | 38.0                               | 28.3                               | 1.7                         | 32.0                              |                                |
|                          | 15:10     | 3/24/2006  | 11.2                               | 9.3                                | 14.0                        | 65.5                              |                                |
|                          | 15:00     | 3/28/2006  | 8.8                                | 8.9                                | 12.8                        | 69.5                              |                                |
|                          | 19:05     | 3/30/2006  | 25.8                               | 26.3                               | 1.5                         | 46.4                              |                                |
|                          | 13:40     | 4/5/2006   | 14.1                               | 17.7                               | 7.8                         | 60.4                              |                                |
|                          | 13:20     | 4/6/2006   | 11.0                               | 13.7                               | 10.0                        | 65.3                              |                                |
|                          | 13:25     | 4/11/2006  | 8.9                                | 11.8                               | 11.2                        | 68.1                              |                                |
|                          | 10:53     | 4/14/2006  | 15.7                               | 20.6                               | 1.4                         | 62.3                              |                                |
|                          | 15:36     | 4/14/2006  | 12.8                               | 19.0                               | 2.9                         | 65.3                              |                                |
|                          | 10:20     | 4/17/2006  | 11.2                               | 15.7                               | 11.6                        | 61.5                              |                                |
|                          | 19:40     | 4/27/2006  | 9.6                                | 16.8                               | 3.7                         | 69.9                              |                                |
|                          | 13:24     | 5/4/2006   | 0.0                                | 0.1                                | 3.7                         | 96.2                              |                                |
|                          | 10:33     | 5/22/2006  | 6.3                                | 17.9                               | 4.4                         | 71.4                              |                                |
|                          | 8:38      | 6/9/2006   | 5.2                                | 15.6                               | 7.0                         | 72.2                              |                                |
|                          | 13:00     | 6/14/2006  | 12.4                               | 31.0                               | 6.1                         | 50.5                              |                                |
|                          | 11:01     | 6/22/2006  | 5.1                                | 18.4                               | 5.9                         | 70.6                              |                                |
|                          | 11:35     | 7/5/2006   | 5.8                                | 20.5                               | 4.8                         | 68.9                              |                                |
|                          | 10:48     | 7/10/2006  | 0.9                                | 22.4                               | 2.8                         | 73.9                              |                                |
|                          | 10:14     | 7/17/2006  | 6.0                                | 20.6                               | 5.6                         | 67.8                              |                                |
|                          | 14:12     | 7/28/2006  | 7.0                                | 20.7                               | 4.4                         | 67.9                              |                                |
|                          | 10:06     | 8/8/2006   | 5.4                                | 19.6                               | 5.3                         | 69.7                              |                                |
|                          | 9:25      | 8/16/2006  | 9.8                                | 6.4                                | 6.0                         | 77.8                              |                                |
|                          | 8:35      | 8/21/2006  | 0.4                                | 0.8                                | 6.9                         | 91.9                              |                                |
|                          | 2:20      | 8/28/2006  | 5.6                                | 18.8                               | 7.2                         | 68.4                              |                                |
|                          | 11:34     | 9/13/2006  | 0.6                                | 1.4                                | 6.9                         | 91.1                              |                                |
|                          | 11:31     | 9/25/2006  | 7.0                                | 0.7                                | 6.4                         | 85.9                              |                                |
|                          | 8:30      | 10/10/2006 | 5.9                                | 18.2                               | 7.4                         | 68.5                              |                                |
|                          | 8:39      | 10/23/2006 | 6.8                                | 19.2                               | 7.0                         | 67.0                              |                                |
|                          | 14:18     | 11/2/2006  | 4.6                                | 14.6                               | 7.2                         | 73.7                              |                                |
|                          | 15:13     | 11/14/2006 | 4.2                                | 14.0                               | 7.4                         | 74.5                              |                                |
|                          | 11:35     | 11/27/2006 | 3.2                                | 14.0                               | 7.4                         | 75.4                              |                                |
|                          | 13:25     | 12/26/2006 | 7.5                                | 17.4                               | 4.5                         | 70.6                              |                                |
|                          | 13:05     | 1/27/2007  | 6.5                                | 14.8                               | 6.8                         | 71.9                              |                                |
|                          | 9:30      | 2/15/2007  | 0.4                                | 15.8                               | 4.0                         | 79.8                              |                                |
|                          | 11:50     | 2/24/2007  | 7.0                                | 12.2                               | 8.6                         | 72.2                              |                                |
| 9:36                     | 3/1/2007  | 18.0       | 22.0                               | 0.3                                | 59.7                        |                                   |                                |
| 10:03                    | 3/1/2007  | 11.5       | 18.2                               | 2.1                                | 68.2                        |                                   |                                |
| 11:09                    | 3/1/2007  | 6.0        | 14.5                               | 4.9                                | 74.6                        |                                   |                                |
| 11:24                    | 3/1/2007  | 5.5        | 14.4                               | 5.3                                | 74.8                        |                                   |                                |
| 12:18                    | 3/1/2007  | 5.0        | 13.8                               | 5.4                                | 75.8                        |                                   |                                |
| 13:25                    | 3/1/2007  | 2.6        | 12.6                               | 6.7                                | 78.1                        |                                   |                                |
| 13:35                    | 3/1/2007  | 2.2        | 6.8                                | 12.6                               | 78.5                        |                                   |                                |
| 14:34                    | 3/1/2007  | 0.7        | 10.6                               | 7.9                                | 80.9                        |                                   |                                |
| 7:40                     | 3/5/2007  | 0.2        | 0.0                                | 20.1                               | 79.8                        | adjust blower time, 12 on, 12 off |                                |
| 8:25                     | 3/24/2007 | 7.0        | 15.6                               | 5.4                                | 72.0                        |                                   |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

| Closed Extraction Points | Time      | Date      | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40 | Comments<br>target percentages |
|--------------------------|-----------|-----------|---------------------------------|---------------------------------|--------------------------|--------------|--------------------------------|
| GV-9                     | 17:15     | 3/24/2007 | 7.0                             | 15.8                            | 4.9                      | 72.3         |                                |
|                          | 17:35     | 3/26/2007 | 5.5                             | 15.6                            | 4.8                      | 74.1         |                                |
|                          | 7:45      | 3/27/2007 | 4.9                             | 14.8                            | 5.6                      | 74.8         |                                |
|                          | 17:05     | 3/28/2007 | 5.5                             | 16.0                            | 5.0                      | 73.5         |                                |
|                          | 8:22      | 3/29/2007 | 4.9                             | 15.8                            | 4.6                      | 74.7         |                                |
|                          | 17:25     | 3/29/2007 | 5.5                             | 16.0                            | 4.7                      | 73.8         |                                |
|                          | 8:20      | 3/30/2007 | 1.2                             | 15.2                            | 4.0                      | 79.7         | blower off                     |
|                          | 10:27     | 5/30/2007 | 27.5                            | 24.8                            | 0.4                      | 47.3         | restart and run 24 hrs         |
|                          | 13:48     | 5/30/2007 | 23.5                            | 24.0                            | 0.4                      | 52.1         |                                |
|                          | 10:00     | 5/31/2007 | 17.5                            | 20.8                            | 1.2                      | 60.5         | reduce to 12 on 12 off         |
|                          | 16:20     | 6/1/2007  | 17.0                            | 20.8                            | 1.0                      | 61.2         |                                |
|                          | 15:45     | 6/2/2007  | 16.0                            | 20.8                            | 0.9                      | 62.3         |                                |
|                          | 15:55     | 6/3/2007  | 16.0                            | 20.4                            | 1.1                      | 62.5         |                                |
|                          | 13:58     | 6/4/2007  | 14.5                            | 19.8                            | 1.5                      | 64.2         | reduce to 6 on 18 off          |
|                          | 14:37     | 6/7/2007  | 15.0                            | 24.0                            | 0.6                      | 60.4         |                                |
|                          | 16:35     | 6/12/2007 | 11.5                            | 19.2                            | 2.6                      | 66.7         |                                |
|                          | 14:14     | 6/14/2007 | 11.0                            | 19.0                            | 2.5                      | 67.5         |                                |
|                          | 14:05     | 6/19/2007 | 10.0                            | 19.0                            | 2.8                      | 68.2         |                                |
|                          | 13:50     | 6/21/2007 | 7.5                             | 16.6                            | 4.8                      | 71.1         |                                |
|                          | 13:40     | 7/11/2007 | 7.0                             | 16.8                            | 4.7                      | 71.5         |                                |
| 13:20                    | 7/23/2007 | 7.5       | 17.4                            | 4.6                             | 70.5                     |              |                                |
| 14:15                    | 8/8/2007  | 7.5       | 17.2                            | 5.0                             | 70.3                     |              |                                |
|                          |           | 8/13/2007 |                                 |                                 |                          |              | vent closed                    |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

| Closed Extraction Points | Time      | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40                   | Comments<br>target percentages |
|--------------------------|-----------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------------------------|--------------------------------|
| GV-12                    | 11:05     | 3/20/2006  | 11.5                               | 17.7                               | 5.4                         | 65.4                              | pre-startup                    |
|                          | 9:50      | 3/22/2006  | 36.0                               | 26.8                               | 2.1                         | 35.1                              |                                |
|                          | 10:16     | 3/22/2006  | 34.8                               | 24.3                               | 1.9                         | 39.0                              |                                |
|                          | 15:28     | 3/22/2006  | 34.4                               | 26.0                               | 0.8                         | 38.8                              |                                |
|                          | 8:25      | 3/23/2006  | 32.9                               | 31.0                               | 2.1                         | 34.0                              |                                |
|                          | 16:30     | 3/23/2006  | 24.1                               | 20.2                               | 2.7                         | 53.0                              |                                |
|                          | 14:20     | 3/24/2006  | 4.7                                | 4.8                                | 17.1                        | 73.4                              |                                |
|                          | 14:10     | 3/28/2006  | 4.4                                | 5.5                                | 9.9                         | 80.2                              |                                |
|                          | 19:28     | 3/30/2006  | 13.1                               | 16.7                               | 5.8                         | 64.4                              |                                |
|                          | 13:10     | 4/5/2006   | 6.7                                | 9.4                                | 12.4                        | 71.5                              |                                |
|                          | 12:40     | 4/6/2006   | 6.8                                | 9.0                                | 12.3                        | 71.9                              |                                |
|                          | 13:00     | 4/11/2006  | 5.4                                | 8.3                                | 13.0                        | 73.3                              |                                |
|                          | 10:42     | 4/14/2006  | 11.3                               | 17.8                               | 3.6                         | 67.3                              |                                |
|                          | 15:19     | 4/14/2006  | 4.5                                | 10.7                               | 9.2                         | 75.6                              |                                |
|                          | 9:50      | 4/17/2006  | 2.1                                | 6.1                                | 14.5                        | 77.3                              |                                |
|                          | 19:16     | 4/27/2006  | 3.7                                | 9.2                                | 9.6                         | 77.5                              |                                |
|                          | 13:04     | 5/4/2006   | 3.8                                | 9.8                                | 10.4                        | 76.0                              |                                |
|                          | 10:12     | 5/22/2006  | 3.0                                | 10.8                               | 10.2                        | 76.0                              |                                |
|                          | 8:15      | 6/9/2006   | 3.9                                | 11.9                               | 11.5                        | 72.7                              |                                |
|                          | 12:29     | 6/14/2006  | 5.9                                | 14.2                               | 10.5                        | 69.4                              |                                |
|                          | 10:36     | 6/22/2006  | 4.3                                | 13.2                               | 9.7                         | 72.8                              |                                |
|                          | 12:01     | 7/5/2006   | 3.4                                | 13.0                               | 10.5                        | 73.1                              |                                |
|                          | 11:25     | 7/10/2006  | 5.3                                | 20.0                               | 4.1                         | 70.6                              |                                |
|                          | 10:45     | 7/17/2006  | 3.4                                | 14.4                               | 8.7                         | 73.5                              |                                |
|                          | 13:55     | 7/28/2006  | 4.5                                | 18.1                               | 6.5                         | 70.9                              |                                |
|                          | 9:40      | 8/8/2006   | 4.1                                | 17.2                               | 6.7                         | 72.0                              |                                |
|                          | 9:35      | 8/16/2006  | 0.7                                | 2.8                                | 17.5                        | 79.0                              |                                |
|                          | 8:14      | 8/21/2006  | 0.1                                | 0.2                                | 6.5                         | 93.2                              |                                |
|                          | 2:05      | 8/28/2006  | 5.3                                | 18.7                               | 6.7                         | 69.3                              |                                |
|                          | 11:16     | 9/13/2006  | 0.6                                | 1.7                                | 7.4                         | 90.3                              |                                |
|                          | 11:15     | 9/25/2006  | 12.6                               | 27.8                               | 2.1                         | 57.5                              |                                |
|                          | 8:15      | 10/10/2006 | 5.3                                | 18.7                               | 16.6                        | 59.4                              |                                |
|                          | 8:15      | 10/23/2006 | 4.7                                | 18.7                               | 9.0                         | 67.6                              |                                |
|                          | 14:44     | 11/2/2006  | 0.3                                | 4.2                                | 16.0                        | 79.5                              |                                |
|                          | 13:48     | 11/14/2006 | 5.0                                | 16.2                               | 4.8                         | 74.0                              |                                |
|                          | 11:22     | 11/27/2006 | 3.5                                | 14.2                               | 6.4                         | 76.0                              |                                |
|                          | 12:45     | 12/26/2006 | 3.9                                | 13.2                               | 7.6                         | 75.4                              |                                |
|                          | 13:23     | 1/27/2007  | 18.0                               | 6.8                                | 14.7                        | 60.5                              |                                |
|                          | 9:25      | 2/15/2007  | 0.3                                | 0.6                                | 19.5                        | 79.7                              |                                |
|                          | 9:37      | 2/15/2007  | 0.3                                | 1.2                                | 18.8                        | 79.7                              |                                |
| 11:05                    | 2/24/2007 | 0.4        | 1.2                                | 19.3                               | 79.1                        |                                   |                                |
| 9:34                     | 3/1/2007  | 20.0       | 23.6                               | 0.4                                | 56.0                        |                                   |                                |
| 9:56                     | 3/1/2007  | 19.0       | 23.4                               | 0.2                                | 57.4                        |                                   |                                |
| 11:07                    | 3/1/2007  | 17.0       | 22.6                               | 0.3                                | 60.1                        |                                   |                                |
| 12:16                    | 3/1/2007  | 14.5       | 21.4                               | 0.2                                | 63.9                        |                                   |                                |
| 13:19                    | 3/1/2007  | 13.5       | 21.8                               | 0.2                                | 64.5                        |                                   |                                |
| 13:20                    | 3/1/2007  | 15.0       | 22.6                               | 0.3                                | 62.1                        |                                   |                                |
| 14:27                    | 3/1/2007  | 12.5       | 20.8                               | 0.5                                | 66.2                        |                                   |                                |
| 8:20                     | 3/5/2007  | 6.0        | 18.2                               | 2.1                                | 73.7                        | adjust blower time, 12 on, 12 off |                                |
| 8:15                     | 3/24/2007 | 1.1        | 14.2                               | 7.9                                | 76.9                        |                                   |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6b. Landfill Gas Field Parameter Monitoring Results of Closed Extraction Points

| Closed Extraction Points | Time      | Date      | CH <sub>4</sub> (%)<br>variable | CO <sub>2</sub> (%)<br>variable | O <sub>2</sub> (%)<br><5 | N (%)<br><40 | Comments<br>target percentages |
|--------------------------|-----------|-----------|---------------------------------|---------------------------------|--------------------------|--------------|--------------------------------|
| GV-12                    | 17:05     | 3/24/2007 | 0.8                             | 14.2                            | 7.6                      | 77.4         |                                |
|                          | 17:20     | 3/26/2007 | 0.2                             | 11.4                            | 9.3                      | 79.1         |                                |
|                          | 7:36      | 3/27/2007 | 0.2                             | 9.8                             | 10.8                     | 79.2         |                                |
|                          | 17:45     | 3/28/2007 | 0.5                             | 12.0                            | 7.7                      | 79.8         |                                |
|                          | 8:15      | 3/29/2007 | 0.4                             | 13.2                            | 4.2                      | 82.2         |                                |
|                          | 17:10     | 3/29/2007 | 0.4                             | 12.6                            | 6.3                      | 80.7         |                                |
|                          | 8:15      | 3/30/2007 | 9.0                             | 20.6                            | 0.3                      | 70.1         | blower off                     |
|                          | 11:07     | 5/30/2007 | 20.0                            | 24.8                            | 0.2                      | 55.0         | restart and run 24 hrs         |
|                          | 13:32     | 5/30/2007 | 13.0                            | 24.0                            | 0.4                      | 62.6         |                                |
|                          | 10:40     | 5/31/2007 | 3.1                             | 17.4                            | 5.4                      | 74.1         | reduce to 12 on 12 off         |
|                          | 16:40     | 6/1/2007  | 2.5                             | 17.2                            | 3.6                      | 76.7         |                                |
|                          | 15:37     | 6/2/2007  | 2.3                             | 17.2                            | 3.4                      | 77.1         |                                |
|                          | 16:15     | 6/3/2007  | 1.9                             | 16.8                            | 2.8                      | 78.5         |                                |
|                          | 14:20     | 6/4/2007  | 1.5                             | 16.6                            | 3.3                      | 78.7         | reduce to 6 on 18 off          |
|                          | 14:53     | 6/7/2007  | 3.9                             | 18.2                            | 2.2                      | 75.8         |                                |
|                          | 17:08     | 6/12/2007 | 0.3                             | 13.8                            | 5.6                      | 80.3         |                                |
|                          | 14:30     | 6/14/2007 | 0.8                             | 15.4                            | 1.9                      | 81.9         |                                |
|                          | 14:20     | 6/19/2007 | 1.1                             | 15.6                            | 4.8                      | 78.5         |                                |
|                          | 14:20     | 6/21/2007 | 1.5                             | 16.8                            | 2.7                      | 79.0         |                                |
|                          | 14:10     | 7/11/2007 | 3.9                             | 20.2                            | 0.5                      | 75.5         |                                |
|                          | 13:45     | 7/23/2007 | 4.5                             | 20.8                            | 0.3                      | 74.5         |                                |
|                          | 14:21     | 8/8/2007  | 4.9                             | 21.6                            | 0.1                      | 73.5         |                                |
|                          | 14:10     | 8/13/2007 | 4.1                             | 21.6                            | 0.0                      | 74.4         |                                |
| 13:40                    | 8/20/2007 | 1.1       | 17.0                            | 3.3                             | 78.6                     |              |                                |
| 14:05                    | 8/28/2007 | 0.5       | 15.0                            | 4.7                             | 79.8                     |              |                                |
|                          |           | 8/31/2007 |                                 |                                 |                          |              | vent closed                    |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen



Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-1              | 11:03      | 3/20/2006  | 18.8                               | 8.1                                | 0.4                         | 72.7            | pre-startup                    |
|                   | 15:25      | 3/22/2006  | 17.9                               | 8.0                                | 0.4                         | 73.7            |                                |
|                   | 14:10      | 3/23/2006  | 21.4                               | 11.5                               | 0.2                         | 66.9            |                                |
|                   | 14:00      | 3/30/2006  | 0.8                                | 2.4                                | 15.0                        | 81.8            |                                |
|                   | 13:45      | 4/6/2006   | 0.6                                | 1.5                                | 16.8                        | 81.1            |                                |
|                   | 13:40      | 4/11/2006  | 1.2                                | 0.8                                | 19.3                        | 78.7            |                                |
|                   | 11:33      | 4/14/2006  | 0.0                                | 1.9                                | 14.7                        | 83.4            |                                |
|                   | 10:28      | 4/17/2006  | 3.8                                | 4.8                                | 16.8                        | 74.6            |                                |
|                   | 7:15       | 4/28/2006  | 2.5                                | 3.2                                | 18.1                        | 76.2            |                                |
|                   | 13:30      | 5/4/2006   | 0.0                                | 3.4                                | 13.9                        | 82.7            |                                |
|                   | 10:45      | 5/22/2006  | 0.1                                | 1.2                                | 19.3                        | 79.4            |                                |
|                   | 12:23      | 6/2/2006   | 0.1                                | 3.5                                | 12.1                        | 84.3            |                                |
|                   | 8:02       | 6/9/2006   | 2.6                                | 2.0                                | 19.8                        | 75.6            |                                |
|                   | 12:49      | 6/14/2006  | 1.1                                | 3.9                                | 15.4                        | 79.6            |                                |
|                   | 11:10      | 6/22/2006  | 0.7                                | 1.0                                | 18.1                        | 80.2            |                                |
|                   | 11:47      | 7/5/2006   | 0.6                                | 2.4                                | 14.9                        | 82.1            |                                |
|                   | 11:15      | 7/10/2006  | 0.7                                | 4.5                                | 14.1                        | 80.7            |                                |
|                   | 10:35      | 7/17/2006  | 0.8                                | 2.9                                | 15.8                        | 80.5            |                                |
|                   | 13:42      | 7/28/2006  | 2.0                                | 1.7                                | 12.2                        | 84.1            |                                |
|                   | 10:19      | 8/8/2006   | 4.4                                | 8.5                                | 12.9                        | 74.2            |                                |
|                   | 8:20       | 8/16/2006  | 1.4                                | 3.6                                | 15.5                        | 79.5            |                                |
|                   | 8:05       | 8/21/2006  | 0.5                                | 0.6                                | 13.0                        | 85.9            |                                |
|                   | 13:52      | 8/28/2006  | 3.4                                | 7.6                                | 11.2                        | 77.8            |                                |
|                   | 11:09      | 9/13/2006  | 4.6                                | 0.1                                | 12.5                        | 82.8            |                                |
|                   | 10:28      | 9/25/2006  | 0.0                                | 0.0                                | 10.7                        | 89.3            |                                |
|                   | 8:05       | 10/10/2006 | 0.7                                | 2.3                                | 17.6                        | 79.4            |                                |
|                   | 8:07       | 10/23/2006 | 0.7                                | 2.7                                | 19.0                        | 77.6            |                                |
|                   | 14:35      | 11/2/2006  | 0.3                                | 2.6                                | 17.6                        | 79.5            |                                |
|                   | 13:35      | 11/14/2006 | 0.2                                | 2.6                                | 15.9                        | 81.3            |                                |
|                   | 11:08      | 11/27/2006 | 0.2                                | 0.4                                | 19.3                        | 80.2            |                                |
|                   | 12:20      | 12/26/2006 | 0.1                                | 3.6                                | 12.3                        | 84.1            |                                |
|                   | 13:13      | 1/27/2007  | 0.5                                | 2.8                                | 14.6                        | 82.2            |                                |
|                   | 10:50      | 2/24/2007  | 0.4                                | 0.0                                | 20.4                        | 79.3            |                                |
|                   | 17:29      | 3/28/2007  | 0.3                                | 2.4                                | 14.6                        | 82.8            |                                |
|                   | 10:25      | 5/1/2007   | 0.2                                | 2.2                                | 12.6                        | 85.1            |                                |
|                   | 10:27      | 5/1/2007   | 0.1                                | 1.2                                | 16.1                        | 82.6            |                                |
|                   | 12:00      | 5/30/2007  | 2.0                                | 7.2                                | 7.1                         | 83.7            |                                |
|                   | 16:35      | 6/6/2007   | 11.0                               | 10.6                               | 0.8                         | 77.6            |                                |
|                   | 14:48      | 6/7/2007   | 6.0                                | 7.6                                | 5.7                         | 80.7            |                                |
|                   | 16:59      | 6/12/2007  | 1.1                                | 6.0                                | 9.4                         | 83.5            |                                |
|                   | 14:25      | 6/14/2007  | 7.0                                | 10.4                               | 2.1                         | 80.5            |                                |
|                   | 14:15      | 6/19/2007  | 3.5                                | 6.6                                | 9.7                         | 80.3            |                                |
|                   | 14:10      | 6/21/2007  | 0.4                                | 6.0                                | 10.1                        | 83.5            |                                |
|                   | 14:00      | 7/11/2007  | 4.0                                | 8.4                                | 8.3                         | 79.3            |                                |
| 14:35             | 7/23/2007  | 8.5        | 13.8                               | 2.0                                | 75.7                        |                 |                                |
| 14:25             | 8/8/2007   | 9.5        | 14.8                               | 2.4                                | 73.3                        |                 |                                |
| 11:45             | 8/13/2007  | 6.5        | 12.4                               | 5.6                                | 75.5                        |                 |                                |
| 13:30             | 8/20/2007  | 5.5        | 10.8                               | 9.2                                | 74.5                        |                 |                                |
| 13:55             | 8/28/2007  | 12.0       | 15.8                               | 2.2                                | 70.0                        |                 |                                |
| 15:40             | 8/31/2007  | 9.5        | 14.0                               | 4.2                                | 72.3                        |                 |                                |
| 14:35             | 9/4/2007   | 8.0        | 13.6                               | 4.4                                | 74.0                        |                 |                                |
| 13:05             | 9/17/2007  | 0.2        | 6.0                                | 12.0                               | 81.8                        |                 |                                |
| 9:25              | 9/29/2007  | 0.2        | 4.6                                | 13.9                               | 81.4                        |                 |                                |
| 8:25              | 10/4/2007  | 0.4        | 2.8                                | 17.1                               | 79.7                        |                 |                                |
| 9:25              | 10/7/2007  | 0.6        | 3.4                                | 15.3                               | 80.7                        |                 |                                |
| 10:15             | 10/18/2007 | 6.5        | 12.2                               | 4.2                                | 77.1                        |                 |                                |
| 8:45              | 10/25/2007 | 0.1        | 3.6                                | 15.5                               | 80.8                        |                 |                                |
| 9:00              | 11/1/2007  | 0.1        | 5.4                                | 13.8                               | 80.7                        |                 |                                |
| 9:40              | 11/13/2007 | 0.2        | 3.8                                | 13.7                               | 82.4                        |                 |                                |
| 11:10             | 11/26/2007 | 0.3        | 1.2                                | 19.3                               | 79.3                        |                 |                                |
| 10:40             | 12/10/2007 | 0.4        | 1.2                                | 19.4                               | 79.0                        |                 |                                |
| 11:25             | 12/26/2007 | 0.3        | 1.4                                | 18.6                               | 79.8                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-1              | 13:00      | 1/23/2008  | 0.3                                | 2.8                                | 13.9                        | 83.0            |                                |
|                   | 9:55       | 1/9/2008   | 0.4                                | 1.0                                | 17.7                        | 81.0            |                                |
|                   | 13:00      | 1/23/2008  | 0.3                                | 2.8                                | 13.9                        | 83.0            |                                |
|                   | 9:00       | 2/4/2008   | 0.1                                | 2.2                                | 14.6                        | 83.1            |                                |
|                   | 7:30       | 2/18/2008  | 0.2                                | 2.0                                | 14.8                        | 83.0            |                                |
|                   | 7:10       | 3/4/2008   | 0.1                                | 1.2                                | 19.1                        | 79.6            |                                |
|                   | 8:05       | 3/18/2008  | 0.1                                | 0.4                                | 19.5                        | 80.0            |                                |
|                   | 14:00      | 5/12/2008  | 0.0                                | 4.8                                | 3.5                         | 91.7            |                                |
|                   | 8:55       | 5/19/2008  | 0.1                                | 5.8                                | 4.5                         | 89.7            |                                |
|                   | 13:30      | 5/30/2008  | <b>7.0</b>                         | 7.8                                | 0.8                         | 84.4            |                                |
|                   | 8:55       | 6/12/2008  | 0.0                                | 2.2                                | 17.0                        | 80.8            |                                |
|                   | 8:55       | 6/25/2008  | <b>10.5</b>                        | 10.0                               | 0.0                         | 79.5            |                                |
|                   | 10:55      | 7/7/2008   | <b>8.5</b>                         | 11.0                               | 0.0                         | 80.5            | opened GV-6 to 200 ft/min      |
|                   | 11:50      | 7/21/2008  | <b>13.5</b>                        | 11.8                               | 0.0                         | 74.7            |                                |
|                   | 9:37       | 8/5/2008   | <b>26.5</b>                        | 13.4                               | 0.0                         | 60.1            |                                |
|                   | 10:40      | 8/5/2008   | <b>18.0</b>                        | 11.6                               | 2.1                         | 68.3            | vent for 1 hour with cap off   |
|                   | 8:55       | 8/13/2008  | <b>22.5</b>                        | 14.4                               | 0.0                         | 63.1            | increase to 12 on 12 off       |
|                   | 9:55       | 8/13/2008  | <b>17.5</b>                        | 11.4                               | 3.1                         | 68.0            | vent for 1 hour with cap off   |
|                   | 8:35       | 8/19/2008  | <b>7.0</b>                         | 12.6                               | 3.4                         | 77.0            |                                |
|                   | 10:00      | 8/19/2008  | <b>6.0</b>                         | 14.0                               | 1.3                         | 78.7            | vent for 1 hour with cap off   |
|                   | 11:58      | 10/3/2008  | 4.2                                | 7.0                                | 11.6                        | 77.3            |                                |
|                   | 11:12      | 10/13/2008 | 1.8                                | 4.4                                | 14.2                        | 79.6            |                                |
|                   | 9:00       | 10/28/2008 | 0.0                                | 4.6                                | 13.6                        | 81.8            |                                |
|                   | 7:20       | 11/6/2008  | 0.4                                | 3.4                                | 15.1                        | 81.1            |                                |
|                   | 10:15      | 12/8/2008  | 0.1                                | 2.6                                | 16.0                        | 81.3            |                                |
|                   | 10:00      | 12/24/2008 | 0.0                                | 2.2                                | 15.7                        | 82.1            |                                |
|                   | 11:30      | 1/8/2009   | 0.1                                | 3.4                                | 16.8                        | 79.8            |                                |
|                   | 11:05      | 1/18/2009  | 0.1                                | 3.6                                | 16.1                        | 80.2            |                                |
|                   | 7:20       | 1/27/2009  | 0.2                                | 1.2                                | 20.9                        | 77.7            |                                |
|                   | 8:20       | 2/6/2009   | 0.1                                | 0.6                                | 19.8                        | 79.5            |                                |
|                   | 10:30      | 2/23/2009  | 0.0                                | 2.2                                | 18.5                        | 79.3            |                                |
|                   | 10:00      | 3/9/2009   | 0.0                                | 1.8                                | 17.9                        | 80.3            |                                |
|                   | 10:00      | 3/20/2009  | 0.1                                | 1.0                                | 19.6                        | 79.4            |                                |
|                   | 9:35       | 4/9/2009   | 0.0                                | 2.8                                | 8.7                         | 88.5            |                                |
|                   | 10:20      | 4/19/2009  | 0.0                                | 3.6                                | 5.2                         | 91.2            |                                |
|                   | 8:20       | 5/4/2009   | 0.0                                | 3.8                                | 1.8                         | 94.4            |                                |
|                   | 8:25       | 5/18/2009  | 0.0                                | 5.0                                | 5.8                         | 89.2            |                                |
|                   | 10:00      | 6/1/2009   | 0.0                                | 6.6                                | 6.1                         | 87.3            |                                |
|                   | 8:40       | 6/14/2009  | 0.4                                | 5.2                                | 8.3                         | 86.1            |                                |
|                   | 8:30       | 7/2/2009   | 0.0                                | 3.2                                | 15.1                        | 81.7            |                                |
|                   | 7:20       | 7/13/2009  | 1.0                                | 7.4                                | 8.9                         | 82.8            |                                |
|                   | 8:40       | 7/13/2009  | 0.0                                | 0.8                                | 18.9                        | 80.3            | vent for 1 hour with cap off   |
|                   | 7:20       | 7/22/2009  | 0.1                                | 5.8                                | 11.3                        | 82.9            |                                |
|                   | 8:35       | 8/11/2009  | 0.0                                | 3.4                                | 14.7                        | 81.9            |                                |
|                   | 8:30       | 8/24/2009  | 0.0                                | 3.6                                | 14.7                        | 81.7            |                                |
|                   | 9:05       | 9/8/2009   | 2.0                                | 7.8                                | 9.4                         | 80.8            |                                |
|                   | 9:05       | 9/21/2009  | 1.8                                | 6.0                                | 12.1                        | 80.1            |                                |
| 10:05             | 10/5/2009  | 0.0        | 5.8                                | 12.9                               | 81.3                        |                 |                                |
| 10:30             | 10/28/2009 | 0.0        | 3.8                                | 14.2                               | 82.0                        |                 |                                |
| 10:35             | 11/16/2009 | 0.0        | 2.4                                | 16.5                               | 81.1                        |                 |                                |
| 9:05              | 12/18/2009 | 0.0        | 3.2                                | 14.4                               | 82.4                        |                 |                                |
| 8:40              | 12/28/2009 | 0.0        | 1.0                                | 18.4                               | 80.6                        |                 |                                |
| 8:45              | 1/11/2010  | 0.0        | 3.2                                | 14.1                               | 82.7                        |                 |                                |
| 8:50              | 1/26/2010  | 0.3        | 4.0                                | 9.1                                | 86.7                        |                 |                                |
| 10:32             | 2/25/2010  | 0.2        | 4.2                                | 7.3                                | 88.4                        |                 |                                |
| 9:35              | 3/8/2010   | 0.0        | 5.4                                | 1.0                                | 93.6                        |                 |                                |
| 9:05              | 3/22/2010  | 0.0        | 2.6                                | 7.2                                | 90.2                        |                 |                                |
| 9:08              | 4/5/2010   | 0.0        | 3.8                                | 14.6                               | 81.6                        |                 |                                |
| 9:05              | 4/19/2010  | 0.0        | 4.2                                | 7.0                                | 88.8                        |                 |                                |
| 9:05              | 5/3/2010   | 0.0        | 1.2                                | 17.6                               | 81.2                        |                 |                                |
| 9:35              | 5/17/2010  | 0.2        | 3.4                                | 11.8                               | 84.6                        |                 |                                |
| 13:00             | 5/25/2010  | 0.0        | 4.8                                | 10.7                               | 84.5                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date        | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|-------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-1              | 9:05       | 6/24/2010   | 0.1                                | 7.8                                | 8.0                         | 84.2            |                                |
|                   | 10:05      | 7/6/2010    | 0.0                                | 8.8                                | 3.0                         | 88.2            |                                |
|                   | 8:38       | 7/19/2010   | 0.6                                | 6.4                                | 7.8                         | 85.3            |                                |
|                   | 8:45       | 8/2/2010    | 2.6                                | 9.4                                | 3.9                         | 84.1            |                                |
|                   | 9:35       | 8/16/2010   | 3.1                                | 12.6                               | 1.0                         | 83.4            |                                |
|                   | 8:40       | 8/30/2010   | 2.2                                | 9.0                                | 6.6                         | 82.3            |                                |
|                   | 8:50       | 9/13/2010   | <b>5.5</b>                         | 12.4                               | 1.5                         | 80.6            |                                |
|                   | 10:40      | 9/28/2010   | 3.7                                | 11.2                               | 1.9                         | 83.2            |                                |
|                   | 6:50       | 10/12/2010  | <b>14.0</b>                        | 15.0                               | 0.0                         | 71.0            |                                |
|                   | 9:05       | 10/25/2010  | <b>16.5</b>                        | 16.0                               | 0.0                         | 67.5            |                                |
|                   | 9:20       | 11/2/2010   | 0.0                                | 5.4                                | 9.3                         | 85.3            |                                |
|                   | 8:35       | 11/15/2010  | 4.4                                | 9.0                                | 3.8                         | 82.8            |                                |
|                   | 9:30       | 12/10/2010  | 0.0                                | 11.2                               | 0.1                         | 88.7            |                                |
|                   | 8:35       | 12/23/2010  | 0.0                                | 1.2                                | 17.9                        | 80.9            |                                |
|                   | 9:05       | 1/10/2011   | 0.0                                | 2.8                                | 14.4                        | 82.8            |                                |
|                   | 8:15       | 1/25/2011   | 0.2                                | 5.0                                | 8.1                         | 86.7            |                                |
|                   | 11:35      | 2/11/2011   | 0.1                                | 4.0                                | 9.4                         | 86.6            |                                |
|                   | 9:20       | 2/22/2011   | 0.2                                | 1.0                                | 18.1                        | 80.8            |                                |
|                   | 8:55       | 3/7/2011    | 0.1                                | 1.4                                | 13.1                        | 85.4            |                                |
|                   | 11:30      | 3/24/2011   | 0.3                                | 0.2                                | 20.9                        | 78.6            |                                |
|                   | 8:35       | 4/6/2011    | 0.1                                | 0.2                                | 20.1                        | 79.6            |                                |
|                   | 10:30      | 4/25/2011   | 0.1                                | 0.2                                | 20.7                        | 79.0            |                                |
|                   | 8:35       | 5/9/2011    | 0.1                                | 3.2                                | 11.2                        | 85.6            |                                |
|                   | 8:50       | 5/23/2011   | 0.0                                | 5.4                                | 3.8                         | 90.8            |                                |
|                   | 10:35      | 6/6/2011    | <b>6.4</b>                         | 7.0                                | 4.4                         | 82.2            |                                |
|                   | 8:50       | 6/15/2011   | <b>15.5</b>                        | 9.6                                | 0.3                         | 74.6            |                                |
|                   | 9:00       | 7/5/2011    | <b>15.0</b>                        | 6.6                                | 8.7                         | 69.7            |                                |
|                   | 6:38       | 7/13/2011   | <b>12.0</b>                        | 13.0                               | 0.4                         | 74.6            |                                |
|                   | 8:00       | 7/26/2011   | <b>13.0</b>                        | 12.0                               | 0.5                         | 74.5            |                                |
|                   | 8:05       | 8/8/2011    | <b>12.5</b>                        | 12.6                               | 0.3                         | 74.6            |                                |
|                   | 7:35       | 8/23/2011   | <b>25.0</b>                        | 16.0                               | 0.3                         | 58.7            |                                |
|                   | 15:30      | 9/9/2011    | <b>26.0</b>                        | 18.2                               | 0.2                         | 55.6            |                                |
|                   | 15:58      | 9/15/2011   | <b>11.5</b>                        | 15.8                               | 3.1                         | 69.6            |                                |
|                   | 8:20       | 9/21/2011   | <b>18.5</b>                        | 18.2                               | 0.4                         | 62.9            |                                |
|                   | 9:25       | 9/21/2011   | <b>13.5</b>                        | 17.4                               | 1.5                         | 67.6            |                                |
|                   | 9:17       | 9/22/2011   | <b>6.0</b>                         | 10.8                               | 8.1                         | 75.1            |                                |
|                   | 10:04      | 9/22/2011   | <b>7.0</b>                         | 17.0                               | 1.7                         | 74.3            |                                |
|                   | 10:50      | 9/22/2011   | 3.8                                | 9.6                                | 10.2                        | 76.5            |                                |
|                   | 10:35      | 10/3/2011   | 4.7                                | 9.0                                | 9.1                         | 77.2            |                                |
|                   | 13:40      | 10/24/2011  | 1.9                                | 15.0                               | 2.2                         | 80.9            |                                |
|                   | 10:45      | 10/26/2011  | 1.5                                | 6.0                                | 13.5                        | 79.0            |                                |
|                   | 10:30      | 11/7/2011   | 0.3                                | 4.0                                | 14.8                        | 81.0            |                                |
|                   | 9:08       | 11/14/2011  | 4.7                                | 7.6                                | 1.9                         | 85.8            |                                |
| 9:05              | 12/12/2011 | 0.1         | 1.6                                | 15.3                               | 83.1                        |                 |                                |
| 10:05             | 12/27/2011 | 3.6         | 4.4                                | 1.5                                | 90.5                        |                 |                                |
| 8:30              | 1/10/2012  | 4.6         | 4.4                                | 0.1                                | 91.0                        |                 |                                |
| 10:15             | 1/25/2012  | 0.1         | 4.6                                | 4.9                                | 90.4                        |                 |                                |
| 9:00              | 2/20/2012  | <b>5.5</b>  | 3.6                                | 3.1                                | 87.8                        |                 |                                |
| 8:40              | 3/8/2012   | 1.6         | 0.6                                | 17.2                               | 80.7                        |                 |                                |
| 10:10             | 4/2/2012   | 0.1         | 1.2                                | 18.4                               | 80.3                        |                 |                                |
| 8:50              | 4/16/2012  | 0.0         | 0.4                                | 19.7                               | 79.9                        |                 |                                |
| 9:04              | 4/30/2012  | 0.4         | 5.6                                | 1.4                                | 92.7                        |                 |                                |
| 9:05              | 5/14/2012  | 0.0         | 6.0                                | 3.2                                | 90.8                        |                 |                                |
| 8:55              | 5/29/2012  | 2.1         | 10.4                               | 1.1                                | 86.5                        |                 |                                |
| 7:35              | 6/11/2012  | 0.4         | 8.4                                | 6.8                                | 84.4                        |                 |                                |
| 9:23              | 6/25/2012  | 4.6         | 10.4                               | 4.2                                | 80.8                        |                 |                                |
| 8:50              | 7/9/2012   | <b>10.0</b> | 14.0                               | 0.8                                | 75.2                        |                 |                                |
| 8:15              | 7/23/2012  | 2.6         | 9.2                                | 7.8                                | 80.5                        |                 |                                |
| 10:15             | 7/25/2012  | 2.1         | 6.8                                | 10.4                               | 80.8                        |                 |                                |
| 8:45              | 8/6/2012   | 3.3         | 10.4                               | 7.3                                | 79.0                        |                 |                                |
| 9:05              | 8/21/2012  | 0.6         | 6.2                                | 11.5                               | 81.8                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-1              | 9:04       | 9/4/2012   | 3.3                                | 9.2                                | 8.4                         | 79.1            |                                |
|                   | 8:45       | 10/1/2012  | 0.0                                | 3.8                                | 13.9                        | 82.3            |                                |
|                   | 8:21       | 10/15/2012 | 0.0                                | 3.8                                | 14.0                        | 82.2            |                                |
|                   | 7:20       | 12/6/2012  | 0.0                                | 6.0                                | 13.8                        | 80.2            |                                |
|                   | 8:50       | 12/17/2012 | 0.0                                | 3.2                                | 14.4                        | 82.4            |                                |
|                   | 8:35       | 12/31/2012 | 0.0                                | 3.2                                | 16.0                        | 80.8            |                                |
|                   | 8:30       | 1/9/2013   | 0.0                                | 6.2                                | 12.2                        | 81.6            |                                |
|                   | 10:15      | 1/15/2013  | 0.0                                | 3.8                                | 15.7                        | 80.5            |                                |
|                   | 8:50       | 1/28/2013  | 0.0                                | 3.4                                | 14.7                        | 81.9            |                                |
|                   | 10:35      | 2/11/2013  | 0.0                                | 1.6                                | 16.2                        | 82.2            |                                |
|                   | 9:05       | 2/25/2013  | 0.0                                | 1.4                                | 17.7                        | 80.9            |                                |
|                   | 7:18       | 3/8/2013   | 0.0                                | 0.6                                | 19.0                        | 80.4            |                                |
|                   | 8:35       | 3/22/2013  | 0.0                                | 1.4                                | 17.8                        | 80.8            |                                |
|                   | 13:35      | 4/8/2013   | 0.0                                | 0.2                                | 20.9                        | 78.9            |                                |
|                   | 15:05      | 4/22/2013  | 0.0                                | 0.0                                | 20.0                        | 80.0            |                                |
|                   | 9:30       | 4/29/2013  | 0.0                                | 0.2                                | 20.9                        | 78.9            |                                |
|                   | 8:20       | 5/13/2013  | 0.0                                | 1.2                                | 18.8                        | 80.0            |                                |
|                   | 13:05      | 5/28/2013  | 0.0                                | 2.0                                | 17.9                        | 80.1            |                                |
|                   | 8:35       | 6/7/2013   | 0.0                                | 4.8                                | 11.7                        | 83.5            |                                |
|                   | 8:05       | 6/21/2013  | 0.0                                | 6.0                                | 10.7                        | 83.3            |                                |
|                   | 8:35       | 7/5/2013   | 0.0                                | 3.4                                | 9.2                         | 87.4            |                                |
|                   | 7:40       | 7/22/2013  | 0.1                                | 5.8                                | 11.7                        | 82.5            |                                |
|                   | 8:45       | 8/5/2013   | 2.9                                | 8.6                                | 8.0                         | 80.5            |                                |
|                   | 8:05       | 8/19/2013  | 1.5                                | 2.8                                | 17.1                        | 78.6            |                                |
|                   | 8:20       | 9/15/2013  | 0.7                                | 5.4                                | 13.3                        | 80.7            |                                |
|                   | 8:35       | 9/16/2013  | 0.5                                | 4.4                                | 14.6                        | 80.5            |                                |
|                   | 7:20       | 9/30/2013  | 0.6                                | 6.8                                | 11.0                        | 81.6            |                                |
|                   | 8:05       | 10/14/2013 | 1.0                                | 4.2                                | 15.2                        | 79.6            |                                |
|                   | 7:20       | 10/28/2013 | 0.0                                | 3.2                                | 16.1                        | 80.7            |                                |
|                   | 7:48       | 11/19/2013 | 0.0                                | 4.2                                | 15.2                        | 80.6            |                                |
|                   | 7:20       | 12/2/2013  | 0.0                                | 5.0                                | 12.2                        | 82.8            |                                |
|                   | 7:02       | 12/16/2013 | 0.0                                | 5.4                                | 12.7                        | 81.9            |                                |
|                   | 7:00       | 12/27/2013 | 0.0                                | 4.6                                | 14.0                        | 81.4            |                                |
|                   | 7:01       | 1/13/2014  | 0.0                                | 1.2                                | 17.6                        | 81.2            |                                |
|                   | 7:05       | 1/30/2014  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 7:18       | 2/12/2014  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 7:35       | 2/24/2014  | 0.0                                | 3.6                                | 16.4                        | 80.0            |                                |
|                   | 8:05       | 3/10/2014  | 0.0                                | 2.8                                | 15.6                        | 81.6            |                                |
|                   | 8:02       | 3/24/2014  | 0.0                                | 2.8                                | 7.4                         | 89.8            |                                |
|                   | 7:17       | 4/7/2014   | 0.0                                | 0.2                                | 19.3                        | 80.5            |                                |
|                   | 7:40       | 4/22/2014  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 7:25       | 5/7/2014   | 0.0                                | 0.8                                | 18.9                        | 80.3            |                                |
| 7:35              | 5/19/2014  | 0.0        | 3.0                                | 14.3                               | 82.7                        |                 |                                |
| 7:03              | 5/30/2014  | 0.0        | 4.6                                | 12.1                               | 83.3                        |                 |                                |
| 7:20              | 6/16/2014  | 0.0        | 4.6                                | 11.4                               | 84.0                        |                 |                                |
| 7:35              | 6/30/2014  | 0.2        | 8.4                                | 4.7                                | 86.7                        |                 |                                |
| 7:45              | 7/14/2014  | 0.1        | 0.6                                | 20.9                               | 78.5                        |                 |                                |
| 7:42              | 7/28/2014  | 0.0        | 5.6                                | 13.1                               | 81.3                        |                 |                                |
| 8:10              | 8/11/2014  | 4.1        | 10.2                               | 5.6                                | 80.2                        |                 |                                |
| 8:30              | 8/12/2014  | 5.0        | 11.2                               | 5.3                                | 78.5                        |                 |                                |
| 7:12              | 8/25/2014  | 2.3        | 8.0                                | 8.1                                | 81.6                        |                 |                                |
| 7:35              | 9/8/2014   | 0.1        | 6.2                                | 11.4                               | 82.3                        |                 |                                |
| 7:18              | 9/22/2014  | 0.0        | 4.2                                | 15.8                               | 80.0                        |                 |                                |
| 7:33              | 10/7/2014  | 0.0        | 3.4                                | 16.0                               | 80.6                        |                 |                                |
| 7:32              | 10/20/2014 | 0.5        | 6.0                                | 10.6                               | 83.0                        |                 |                                |
| 7:18              | 11/3/2014  | 0.0        | 8.2                                | 8.0                                | 83.8                        |                 |                                |
| 7:15              | 11/17/2014 | 0.0        | 11.2                               | 2.2                                | 86.6                        |                 |                                |
| 7:18              | 12/2/2014  | 0.0        | 6.8                                | 8.5                                | 84.7                        |                 |                                |
| 7:05              | 12/15/2014 | 0.0        | 3.0                                | 14.4                               | 82.6                        | Blower Off      |                                |
| 7:08              | 12/18/2014 | 1.8        | 7.4                                | 1.2                                | 89.6                        |                 |                                |

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-1              | 7:12       | 1/2/2015   | 0.1                                | 1.2                                | 19.2                        | 79.5            |                                |
|                   | 7:08       | 1/16/2015  | 0.0                                | 4.2                                | 9.0                         | 86.8            |                                |
|                   | 7:18       | 1/26/2015  | 0.0                                | 4.0                                | 9.8                         | 86.2            |                                |
|                   | 7:18       | 2/9/2015   | 0.0                                | 3.2                                | 12.9                        | 83.9            |                                |
|                   | 7:40       | 2/24/2015  | 0.0                                | 6.8                                | 5.9                         | 87.3            |                                |
|                   | 8:10       | 3/9/2015   | 0.0                                | 3.0                                | 15.1                        | 81.9            |                                |
|                   | 7:10       | 3/23/2015  | 0.0                                | 2.6                                | 15.5                        | 81.9            |                                |
|                   | 7:18       | 4/6/2015   | 0.0                                | 3.0                                | 15.5                        | 81.5            |                                |
|                   | 9:05       | 4/22/2015  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 7:05       | 5/4/2015   | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 7:15       | 5/18/2015  | 0.0                                | 5.6                                | 9.7                         | 84.7            |                                |
|                   | 7:04       | 6/1/2015   | 0.0                                | 0.8                                | 20.1                        | 79.1            |                                |
|                   | 7:15       | 6/15/2015  | 0.0                                | 1.4                                | 18.4                        | 80.2            |                                |
|                   | 7:18       | 6/29/2015  | 0.0                                | 6.6                                | 9.6                         | 83.8            |                                |
|                   | 7:12       | 7/14/2015  | 0.0                                | 1.0                                | 19.6                        | 79.4            |                                |
|                   | 7:08       | 7/27/2015  | 0.1                                | 6.2                                | 10.6                        | 83.1            |                                |
|                   | 7:15       | 8/10/2015  | 7.0                                | 12.2                               | 2.3                         | 78.5            |                                |
|                   | 7:12       | 8/24/2015  | 0.0                                | 10.8                               | 7.5                         | 81.7            |                                |
|                   | 7:20       | 9/8/2015   | 0.6                                | 6.8                                | 9.9                         | 82.7            |                                |
|                   | 7:35       | 9/21/2015  | 0.3                                | 6.6                                | 11.0                        | 82.1            |                                |
|                   | 7:13       | 10/5/2015  | 3.6                                | 10.4                               | 6.1                         | 79.9            |                                |
|                   | 7:18       | 10/19/2015 | 0.0                                | 8.4                                | 10.1                        | 81.5            |                                |
|                   | 7:35       | 11/2/2015  | 0.0                                | 4.8                                | 14.1                        | 81.1            |                                |
|                   | 7:17       | 11/16/2015 | 0.0                                | 2.8                                | 17.2                        | 80.0            |                                |
|                   | 10:48      | 11/30/2015 | 0.0                                | 1.0                                | 20.5                        | 78.5            |                                |
|                   | 7:08       | 12/15/2015 | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 7:10       | 12/28/2015 | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 8:02       | 1/9/2016   | 0.0                                | 0.0                                | 20.8                        | 79.2            |                                |
|                   | 7:33       | 1/25/2016  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 7:30       | 2/8/2016   | 0.0                                | 0.8                                | 18.7                        | 80.5            |                                |
|                   | 7:18       | 2/22/2016  | 0.05                               | 0.6                                | 19.0                        | 80.4            |                                |
|                   | 7:32       | 3/7/2016   | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 8:15       | 3/21/2016  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 7:34       | 4/4/2016   | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 7:40       | 4/18/2016  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 8:47       | 5/3/2016   | 0.0                                | 5.0                                | 7.1                         | 87.9            |                                |
|                   | 7:35       | 5/16/2016  | 0.0                                | 6.4                                | 7.3                         | 86.3            |                                |
|                   | 7:33       | 6/2/2016   | 0.0                                | 7.0                                | 7.8                         | 85.2            |                                |
|                   | 7:35       | 6/14/2016  | 0.0                                | 6.2                                | 11.1                        | 82.7            |                                |
|                   | 7:35       | 6/27/2016  | 0.0                                | 8.4                                | 9.8                         | 81.8            |                                |
|                   | 10:05      | 7/14/2016  | 0.1                                | 13.2                               | 3.0                         | 83.7            |                                |
|                   | 7:29       | 7/25/2016  | 0.9                                | 7.6                                | 8.2                         | 83.4            |                                |
|                   | 7:32       | 8/8/2016   | 1.2                                | 7.0                                | 10.1                        | 81.8            |                                |
| 7:18              | 8/25/2016  | 0.0        | 1.0                                | 20.4                               | 78.6                        |                 |                                |
| 7:18              | 9/6/2016   | 0.2        | 4.8                                | 14.0                               | 81.0                        |                 |                                |
| 9:42              | 10/3/2016  | 1.2        | 7.4                                | 8.5                                | 82.9                        |                 |                                |
| 7:48              | 10/19/2016 | 0.0        | 5.4                                | 12.8                               | 81.8                        |                 |                                |
| 8:26              | 10/31/2016 | 0.1        | 11.2                               | 5.0                                | 83.8                        |                 |                                |
| 7:57              | 11/14/2016 | 0.0        | 7.0                                | 9.0                                | 84.0                        |                 |                                |
| 8:41              | 11/28/2016 | 0.0        | 7.0                                | 7.1                                | 85.9                        |                 |                                |
| 9:00              | 12/9/2016  | 0.2        | 1.4                                | 19.7                               | 78.7                        |                 |                                |
| 7:35              | 12/22/2016 | 0.0        | 12.0                               | 5.2                                | 82.8                        |                 |                                |
| 7:35              | 1/4/2017   | 0.0        | 0.4                                | 20.8                               | 78.8                        |                 |                                |
| 7:11              | 1/13/2017  | 0.0        | 0.2                                | 20.8                               | 79.0                        |                 |                                |
| 7:04              | 1/27/2017  | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 7:40              | 2/13/2017  | 0.0        | 2.6                                | 7.4                                | 90.0                        |                 |                                |
| 7:35              | 2/27/2017  | 0.0        | 0.0                                | 20.0                               | 80.0                        |                 |                                |
| 8:03              | 3/13/2017  | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 7:04              | 3/28/2017  | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 7:46              | 4/12/2017  | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 6:49              | 4/18/2017  | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 6:53              | 4/25/2017  | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-1              | 7:03       | 5/8/2017   | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 7:12       | 5/22/2017  | 0.0                                | 7.0                                | 7.2                         | 85.8            |                                |
|                   | 7:23       | 6/5/2017   | 0.0                                | 5.6                                | 11.7                        | 82.7            |                                |
|                   | 7:18       | 6/19/2017  | 0.0                                | 0.8                                | 20.3                        | 78.9            |                                |
|                   | 8:21       | 7/4/2017   | 0.0                                | 6.0                                | 8.5                         | 85.5            |                                |
|                   | 7:40       | 7/18/2017  | 1.6                                | 8.8                                | 5.4                         | 84.2            |                                |
|                   | 7:42       | 8/1/2017   | 0.0                                | 8.8                                | 8.1                         | 83.1            |                                |
|                   | 7:50       | 8/14/2017  | 0.2                                | 11.6                               | 6.0                         | 82.3            |                                |
|                   | 8:01       | 8/29/2017  | 3.4                                | 9.4                                | 7.0                         | 80.2            |                                |
|                   | 7:51       | 9/12/2017  | 1.4                                | 8.6                                | 8.3                         | 81.7            |                                |
|                   | 8:02       | 9/25/2017  | 1.7                                | 7.8                                | 9.4                         | 81.2            |                                |
|                   | 8:05       | 10/10/2017 | 0.1                                | 4.4                                | 14.4                        | 81.2            |                                |
|                   | 7:43       | 10/23/2017 | 0.0                                | 4.8                                | 13.7                        | 81.5            |                                |
|                   | 7:50       | 11/6/2017  | 1.0                                | 7.2                                | 8.3                         | 83.6            |                                |
|                   | 8:59       | 11/17/2017 | 0.0                                | 4.8                                | 13.6                        | 81.6            |                                |
|                   | 7:56       | 12/1/2017  | 0.0                                | 4.4                                | 14.1                        | 81.5            |                                |
|                   | 8:06       | 12/18/2017 | 0.0                                | 6.4                                | 10.3                        | 83.3            |                                |
|                   | 8:39       | 1/3/2018   | 0.0                                | 4.2                                | 14.1                        | 81.7            |                                |
|                   | 7:53       | 1/11/2018  | 0.0                                | 5.8                                | 11.1                        | 83.1            |                                |
|                   | 7:43       | 1/26/2018  | 0.0                                | 3.4                                | 15.1                        | 81.5            |                                |
|                   | 7:58       | 2/13/2018  | 0.0                                | 2.2                                | 17.9                        | 79.9            |                                |
|                   | 7:36       | 2/27/2018  | 0.0                                | 1.8                                | 18.5                        | 79.7            |                                |
|                   | 7:34       | 3/13/2018  | 0.0                                | 1.2                                | 18.6                        | 80.2            |                                |
|                   | 7:58       | 3/28/2018  | 0.0                                | 3.6                                | 14.3                        | 82.1            |                                |
|                   | 8:13       | 4/10/2018  | 0.0                                | 4.4                                | 15.0                        | 80.6            |                                |
|                   | 7:43       | 4/25/2018  | 0.0                                | 1.2                                | 18.7                        | 80.1            |                                |
|                   | 7:58       | 5/8/2018   | 0.0                                | 2.8                                | 14.5                        | 82.7            |                                |
|                   | 7:46       | 5/21/2018  | 0.0                                | 5.4                                | 7.5                         | 87.1            |                                |
|                   | 8:03       | 6/5/2018   | 0.0                                | 3.8                                | 15.5                        | 80.7            |                                |
|                   | 7:40       | 6/20/2018  | 0.0                                | 5.0                                | 14.1                        | 80.9            |                                |
|                   | 8:00       | 6/28/2018  | 0.1                                | 6.0                                | 9.3                         | 84.7            |                                |
|                   | 5:51       | 8/2/2018   | 1.1                                | 6.2                                | 11.7                        | 81.1            |                                |
|                   | 6:02       | 9/15/2018  | 0.0                                | 5.2                                | 9.8                         | 85.0            |                                |
| 8:20              | 9/26/2018  | 0.5        | 9.2                                | 4.1                                | 86.2                        |                 |                                |
| 10:45             | 10/26/2018 | 0.0        | 0.2                                | 20.9                               | 78.9                        |                 |                                |
| 7:38              | 11/9/2018  | 0.0        | 0.6                                | 19.5                               | 79.9                        |                 |                                |
| 7:15              | 11/21/2018 | 0.0        | 0.2                                | 20.9                               | 78.9                        |                 |                                |
| 13:00             | 12/6/2018  | 0.0        | 0.8                                | 20.9                               | 78.3                        |                 |                                |
| 12:40             | 12/20/2018 | 0.0        | 0                                  | 20.9                               | 79.1                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-2              | 9:00       | 3/22/2006  | <b>29.5</b>                        | 27.8                               | 0.5                         | 42.2            | pre-startup                    |
|                   | 14:40      | 3/23/2006  | <b>29.1</b>                        | 24.5                               | 0.8                         | 45.6            |                                |
|                   | 14:20      | 3/30/2006  | <b>11.5</b>                        | 13.1                               | 10.7                        | 64.7            |                                |
|                   | 14:05      | 4/6/2006   | <b>10.3</b>                        | 12.6                               | 10.2                        | 66.9            |                                |
|                   | 14:15      | 4/11/2006  | <b>5.4</b>                         | 5.7                                | 15.3                        | 73.6            |                                |
|                   | 11:56      | 4/14/2006  | <b>6.8</b>                         | 12.1                               | 8.7                         | 72.4            |                                |
|                   | 11:00      | 4/17/2006  | 0.0                                | 0.0                                | 20.7                        | 79.3            |                                |
|                   | 9:55       | 4/28/2006  | 0.0                                | 0.1                                | 20.7                        | 79.2            |                                |
|                   | 14:15      | 5/4/2006   | 1.5                                | 18.9                               | 3.0                         | 76.6            |                                |
|                   | 11:15      | 5/22/2006  | 0.0                                | 0.0                                | 20.5                        | 79.5            |                                |
|                   | 12:49      | 6/2/2006   | 1.0                                | 0.1                                | 19.7                        | 79.2            |                                |
|                   | 9:00       | 6/9/2006   | 1.9                                | 0.5                                | 20.4                        | 77.2            |                                |
|                   | 13:20      | 6/14/2006  | 4.8                                | 1.0                                | 20.1                        | 74.1            |                                |
|                   | 10:00      | 6/22/2006  | 0.6                                | 0.2                                | 20.4                        | 78.8            |                                |
|                   | 12:34      | 7/5/2006   | 0.7                                | 1.5                                | 19.9                        | 77.9            |                                |
|                   | 11:48      | 7/10/2006  | 0.7                                | 0.8                                | 19.6                        | 78.9            |                                |
|                   | 11:15      | 7/17/2006  | 0.7                                | 1.2                                | 18.8                        | 79.3            |                                |
|                   | 13:05      | 7/28/2006  | 0.5                                | 0.7                                | 19.1                        | 79.7            |                                |
|                   | 10:50      | 8/8/2006   | 0.6                                | 0.2                                | 19.6                        | 79.6            |                                |
|                   | 7:53       | 8/16/2006  | 0.1                                | 0.0                                | 19.9                        | 80.0            |                                |
|                   | 7:40       | 8/21/2006  | 0.5                                | 0.1                                | 20.4                        | 79.0            |                                |
|                   | 13:40      | 8/28/2006  | 0.0                                | 0.0                                | 20.2                        | 79.8            |                                |
|                   | 10:50      | 9/13/2006  | 0.1                                | 0.1                                | 20.2                        | 79.6            |                                |
|                   | 10:10      | 9/25/2006  | 0.6                                | 9.5                                | 13.7                        | 76.2            |                                |
|                   | 7:45       | 10/10/2006 | 0.7                                | 1.8                                | 19.8                        | 77.7            |                                |
|                   | 7:46       | 10/23/2006 | 0.7                                | 3.9                                | 18.0                        | 77.4            |                                |
|                   | 13:24      | 11/2/2006  | 0.5                                | 0.3                                | 17.6                        | 81.6            |                                |
|                   | 12:38      | 11/14/2006 | 0.1                                | 5.2                                | 15.7                        | 79.1            |                                |
|                   | 10:51      | 11/27/2006 | 0.1                                | 0.6                                | 20.0                        | 79.3            |                                |
|                   | 13:55      | 12/26/2006 | 0.3                                | 6.2                                | 14.5                        | 79.1            |                                |
|                   | 12:25      | 1/27/2007  | 0.3                                | 1.6                                | 19.1                        | 79.1            |                                |
|                   | 12:15      | 2/24/2007  | 0.3                                | 3.6                                | 16.5                        | 79.7            |                                |
|                   | 16:05      | 3/28/2007  | 0.2                                | 2.4                                | 18.0                        | 79.5            |                                |
|                   | 11:07      | 5/1/2007   | 0.0                                | 3.8                                | 15.2                        | 81.0            |                                |
|                   | 12:17      | 5/30/2007  | 0.0                                | 1.2                                | 18.5                        | 80.3            |                                |
|                   | 13:20      | 6/19/2007  | 0.1                                | 7.6                                | 11.5                        | 80.9            |                                |
|                   | 11:20      | 8/13/2007  | 0.0                                | 0.4                                | 20.5                        | 79.1            |                                |
|                   | 10:54      | 10/18/2007 | 0.1                                | 1.0                                | 18.8                        | 80.1            |                                |
|                   | 13:10      | 1/23/2008  | 0.4                                | 1.2                                | 20.2                        | 78.2            |                                |
|                   | 7:45       | 6/12/2008  | 0.0                                | 2.2                                | 18.6                        | 79.2            |                                |
|                   | 11:05      | 7/21/2008  | 0.0                                | 0.6                                | 20.4                        | 79.0            |                                |
|                   | 12:34      | 10/3/2008  | 0.0                                | 0.6                                | 20.9                        | 78.5            |                                |
|                   | 11:40      | 10/13/2008 | 0.0                                | 0.4                                | 20.9                        | 78.7            |                                |
| 11:15             | 1/27/2009  | 0.3        | 1.8                                | 20.3                               | 77.6                        |                 |                                |
| 10:46             | 4/9/2009   | 0.0        | 0.0                                | 20.1                               | 79.9                        |                 |                                |
| 10:40             | 7/22/2009  | 0.0        | 0.8                                | 18.9                               | 80.3                        |                 |                                |
| 10:05             | 10/28/2009 | 0.0        | 2.2                                | 18.1                               | 79.7                        |                 |                                |
| 10:15             | 1/26/2010  | 0.3        | 3.0                                | 17.1                               | 79.7                        |                 |                                |
| 11:39             | 5/25/2010  | 0.0        | 0.0                                | 19.1                               | 80.9                        |                 |                                |
| 10:10             | 9/28/2010  | 0.0        | 2.4                                | 17.1                               | 80.5                        |                 |                                |
| 11:10             | 1/25/2011  | 0.2        | 0.4                                | 20.0                               | 79.4                        |                 |                                |
| 7:45              | 4/25/2011  | 0.2        | 3.0                                | 17.4                               | 79.4                        |                 |                                |
| 7:37              | 7/13/2011  | 0.0        | 0.8                                | 19.9                               | 79.3                        |                 |                                |
| 7:45              | 10/26/2011 | 0.0        | 1.0                                | 20.0                               | 79.0                        |                 |                                |
| 9:26              | 1/25/2012  | 0.1        | 3.6                                | 17.0                               | 79.4                        |                 |                                |
| 9:35              | 4/2/2012   | 0.1        | 0.4                                | 20.9                               | 78.7                        |                 |                                |
| 11:00             | 7/25/2012  | 0.0        | 3.4                                | 16.3                               | 80.3                        |                 |                                |
| 11:30             | 10/15/2012 | 0.0        | 1.8                                | 17.7                               | 80.5                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time  | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|-------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-2              | 10:10 | 1/15/2013  | 0.0                                | 3.2                                | 17.5                        | 79.3            |                                |
|                   | 7:45  | 4/29/2013  | 0.0                                | 1.0                                | 20.4                        | 78.6            |                                |
|                   | 9:35  | 7/22/2013  | 0.0                                | 2.4                                | 18.0                        | 79.6            |                                |
|                   | 9:05  | 10/14/2013 | 0.0                                | 3.2                                | 18.6                        | 78.2            |                                |
|                   | 11:39 | 4/22/2014  | 0.0                                | 3.6                                | 15.8                        | 80.6            |                                |
|                   | 8:00  | 4/22/2015  | 0.0                                | 2.6                                | 17.7                        | 79.7            |                                |
|                   | 9:02  | 4/18/2016  | 0.0                                | 0.8                                | 20.2                        | 79.0            |                                |
|                   | 9:05  | 4/12/2017  | 0.0                                | 1.4                                | 19.0                        | 79.6            |                                |
|                   | 9:00  | 6/20/2018  | 0.0                                | 3.0                                | 17.0                        | 80.0            |                                |

CH<sub>4</sub> = Methane  
 CO<sub>2</sub> = Carbon Dioxide  
 O<sub>2</sub> = Oxygen  
 N = Nitrogen



Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-3              | 7:49       | 3/22/2006  | 1.4                                | 1.9                                | 19.9                        | 76.8            | pre-startup                    |
|                   | 12:57      | 3/23/2006  | 0.6                                | 1.2                                | 19.3                        | 78.9            |                                |
|                   | 15:20      | 3/23/2006  | 2.2                                | 4.5                                | 16.4                        | 76.9            |                                |
|                   | 14:35      | 3/30/2006  | 2.1                                | 7.6                                | 11.5                        | 78.8            |                                |
|                   | 14:30      | 4/6/2006   | 1.6                                | 11.8                               | 7.2                         | 79.4            |                                |
|                   | 14:40      | 4/11/2006  | 0.4                                | 4.0                                | 15.6                        | 80.0            |                                |
|                   | 12:11      | 4/14/2006  | 0.0                                | 1.5                                | 18.1                        | 80.4            |                                |
|                   | 11:20      | 4/17/2006  | 1.4                                | 0.2                                | 20.7                        | 77.7            |                                |
|                   | 10:50      | 4/28/2006  | 0.4                                | 0.1                                | 20.7                        | 78.8            |                                |
|                   | 15:00      | 5/4/2006   | 0.0                                | 0.0                                | 20.4                        | 79.6            |                                |
|                   | 11:38      | 5/22/2006  | 0.2                                | 0.0                                | 2.5                         | 97.3            |                                |
|                   | 13:18      | 6/2/2006   | 0.2                                | 0.0                                | 20.2                        | 79.6            |                                |
|                   | 9:09       | 6/9/2006   | 0.8                                | 0.1                                | 20.5                        | 78.6            |                                |
|                   | 13:45      | 6/14/2006  | 1.1                                | 0.1                                | 20.4                        | 78.4            |                                |
|                   | 11:25      | 6/22/2006  | 0.7                                | 0.0                                | 20.1                        | 79.2            |                                |
|                   | 11:19      | 7/5/2006   | 0.6                                | 0.0                                | 20.0                        | 79.4            |                                |
|                   | 10:37      | 7/10/2006  | 0.6                                | 0.0                                | 19.6                        | 79.8            |                                |
|                   | 0:57       | 7/17/2006  | 0.1                                | 0.0                                | 19.0                        | 80.9            |                                |
|                   | 12:25      | 7/28/2006  | 0.6                                | 0.0                                | 19.7                        | 79.7            |                                |
|                   | 11:32      | 8/8/2006   | 0.6                                | 0.0                                | 19.6                        | 79.8            |                                |
|                   | 7:35       | 8/16/2006  | 0.5                                | 0.0                                | 20.0                        | 79.5            |                                |
|                   | 7:24       | 8/21/2006  | 0.0                                | 0.0                                | 20.3                        | 79.7            |                                |
|                   | 13:26      | 8/28/2006  | 0.1                                | 0.0                                | 19.9                        | 80.0            |                                |
|                   | 10:31      | 9/13/2006  | 0.0                                | 0.3                                | 20.3                        | 79.4            |                                |
|                   | 9:56       | 9/25/2006  | 0.6                                | 3.0                                | 17.6                        | 78.8            |                                |
|                   | 7:20       | 10/10/2006 | 0.5                                | 0.9                                | 19.8                        | 78.8            |                                |
|                   | 7:36       | 10/23/2006 | 0.1                                | 0.0                                | 20.6                        | 79.3            |                                |
|                   | 13:10      | 11/2/2006  | 0.5                                | 0.4                                | 20.8                        | 78.3            |                                |
|                   | 13:00      | 11/14/2006 | 0.1                                | 4.2                                | 16.1                        | 79.6            |                                |
|                   | 10:39      | 11/27/2006 | 0.1                                | 0.4                                | 19.4                        | 80.2            |                                |
|                   | 13:58      | 12/26/2006 | 0.3                                | 0.2                                | 20.0                        | 79.6            |                                |
|                   | 12:00      | 1/27/2007  | 0.1                                | 0.0                                | 19.6                        | 80.4            |                                |
|                   | 12:30      | 2/24/2007  | 0.3                                | 4.6                                | 14.7                        | 80.4            |                                |
|                   | 15:32      | 3/28/2007  | 0.1                                | 0.0                                | 19.9                        | 80.0            |                                |
|                   | 10:57      | 5/1/2007   | 0.1                                | 2.6                                | 16.5                        | 80.8            |                                |
|                   | 12:33      | 5/30/2007  | 0.0                                | 0.4                                | 18.9                        | 80.7            |                                |
|                   | 13:30      | 6/19/2007  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 11:00      | 8/13/2007  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 10:00      | 10/18/2007 | 0.1                                | 4.0                                | 15.7                        | 80.2            |                                |
|                   | 13:55      | 1/23/2008  | 0.4                                | 0.8                                | 20.6                        | 78.3            |                                |
| 7:05              | 6/12/2008  | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 10:30             | 7/21/2008  | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 12:16             | 10/3/2008  | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 10:00             | 10/13/2008 | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 7:50              | 1/27/2009  | 0.2        | 3.6                                | 17.4                               | 78.8                        |                 |                                |
| 11:10             | 4/9/2009   | 0.0        | 0.0                                | 20.2                               | 79.8                        |                 |                                |
| 8:40              | 7/22/2009  | 0.0        | 0.4                                | 19.1                               | 80.5                        |                 |                                |
| 9:24              | 10/28/2009 | 0.0        | 0.2                                | 19.5                               | 80.3                        |                 |                                |
| 8:09              | 1/26/2010  | 0.2        | 0.0                                | 20.4                               | 79.4                        |                 |                                |
| 9:15              | 5/25/2010  | 0.0        | 0.0                                | 19.1                               | 80.9                        |                 |                                |
| 8:50              | 9/28/2010  | 0.0        | 1.8                                | 17.2                               | 81.0                        |                 |                                |
| 8:45              | 1/25/2011  | 0.2        | 0.2                                | 19.8                               | 79.8                        |                 |                                |
| 8:25              | 4/25/2011  | 0.2        | 4.6                                | 14.9                               | 80.3                        |                 |                                |
| 8:15              | 7/13/2011  | 0.0        | 0.0                                | 20.1                               | 79.9                        |                 |                                |
| 11:12             | 10/26/2011 | 0.0        | 0.2                                | 20.4                               | 79.4                        |                 |                                |
| 11:30             | 1/25/2012  | 0.1        | 4.2                                | 15.4                               | 80.3                        |                 |                                |
| 8:50              | 4/2/2012   | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 8:27              | 7/25/2012  | 0.0        | 2.4                                | 15.4                               | 82.2                        |                 |                                |
| 10:59             | 10/15/2012 | 0.0        | 0.0                                | 19.0                               | 81.0                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time  | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|-------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-3              | 11:00 | 1/15/2013  | 0.0                                | 3.8                                | 15.3                        | 80.9            |                                |
|                   | 13:00 | 4/29/2013  | 0.0                                | 1.2                                | 19.3                        | 79.5            |                                |
|                   | 9:12  | 7/22/2013  | 0.0                                | 2.0                                | 18.3                        | 79.7            |                                |
|                   | 9:15  | 10/14/2013 | 0.0                                | 0.6                                | 20.3                        | 79.1            |                                |
|                   | 12:11 | 4/22/2014  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 11:40 | 4/22/2015  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 9:25  | 4/18/2016  | 0.0                                | 1.0                                | 20.1                        | 78.9            |                                |
|                   | 9:21  | 4/12/2017  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 7:50  | 4/18/2017  | 0.0                                | 3.6                                | 15.0                        | 81.4            |                                |
|                   | 8:05  | 6/20/2018  | 0.0                                | 1.4                                | 19.4                        | 79.2            |                                |

CH<sub>4</sub> = Methane  
 CO<sub>2</sub> = Carbon Dioxide  
 O<sub>2</sub> = Oxygen  
 N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-4              | 9:11       | 3/22/2006  | 0.0                                | 1.4                                | 20.4                        | 78.2            | pre-startup                    |
|                   | 15:35      | 3/23/2006  | 0.0                                | 0.8                                | 19.8                        | 79.4            |                                |
|                   | 15:40      | 3/30/2006  | 0.5                                | 0.8                                | 21.8                        | 76.9            |                                |
|                   | 14:40      | 4/6/2006   | 0.8                                | 1.3                                | 18.9                        | 79.0            |                                |
|                   | 14:35      | 4/11/2006  | 0.2                                | 0.9                                | 19.2                        | 79.7            |                                |
|                   | 12:18      | 4/14/2006  | 0.0                                | 1.3                                | 18.1                        | 80.6            |                                |
|                   | 11:35      | 4/17/2006  | 1.3                                | 0.8                                | 20.4                        | 77.5            |                                |
|                   | 10:40      | 4/28/2006  | 0.0                                | 0.5                                | 20.2                        | 79.3            |                                |
|                   | 15:10      | 5/4/2006   | 1.3                                | 0.6                                | 13.2                        | 84.9            |                                |
|                   | 11:50      | 5/22/2006  | 0.1                                | 0.2                                | 20.4                        | 79.3            |                                |
|                   | 13:10      | 6/2/2006   | 0.2                                | 0.8                                | 19.1                        | 79.9            |                                |
|                   | 9:12       | 6/9/2006   | 3.4                                | 1.2                                | 20.2                        | 75.2            |                                |
|                   | 14:00      | 6/14/2006  | 0.0                                | 0.0                                | 19.9                        | 80.1            |                                |
|                   | 10:39      | 6/22/2006  | <b>6.0</b>                         | 18.8                               | 6.4                         | 68.8            |                                |
|                   | 11:26      | 7/5/2006   | 0.6                                | 0.6                                | 20.0                        | 78.8            |                                |
|                   | 10:43      | 7/10/2006  | 0.4                                | 3.8                                | 19.9                        | 75.9            |                                |
|                   | 10:08      | 7/17/2006  | 0.9                                | 0.6                                | 19.6                        | 78.9            |                                |
|                   | 12:34      | 7/28/2006  | 0.6                                | 0.4                                | 19.6                        | 79.4            |                                |
|                   | 9:21       | 8/8/2006   | 0.6                                | 0.3                                | 19.7                        | 79.4            |                                |
|                   | 7:42       | 8/16/2006  | 0.5                                | 0.7                                | 19.9                        | 78.9            |                                |
|                   | 7:28       | 8/21/2006  | 0.4                                | 0.5                                | 20.0                        | 79.1            |                                |
|                   | 13:31      | 8/28/2006  | 0.5                                | 0.5                                | 20.1                        | 78.9            |                                |
|                   | 10:35      | 9/13/2006  | 0.7                                | 0.6                                | 20.2                        | 78.5            |                                |
|                   | 9:59       | 9/25/2006  | 0.1                                | 0.2                                | 19.1                        | 80.6            |                                |
|                   | 7:24       | 10/10/2006 | 0.6                                | 0.5                                | 20.3                        | 78.6            |                                |
|                   | 7:40       | 10/23/2006 | 0.4                                | 0.0                                | 20.4                        | 79.2            |                                |
|                   | 13:17      | 11/2/2006  | 0.5                                | 0.2                                | 21.0                        | 78.3            |                                |
|                   | 13:11      | 11/14/2006 | 0.2                                | 1.4                                | 19.0                        | 79.5            |                                |
|                   | 10:42      | 11/27/2006 | 0.1                                | 0.6                                | 19.7                        | 79.7            |                                |
|                   | 14:04      | 12/26/2006 | 0.3                                | 0.8                                | 19.6                        | 79.4            |                                |
|                   | 12:09      | 1/27/2007  | 0.1                                | 0.4                                | 19.6                        | 79.9            |                                |
|                   | 12:38      | 2/24/2007  | 0.4                                | 1.0                                | 19.4                        | 79.3            |                                |
|                   | 15:40      | 3/28/2007  | 0.1                                | 0.2                                | 19.8                        | 79.9            |                                |
|                   | 10:50      | 5/1/2007   | 0.0                                | 1.2                                | 18.2                        | 80.6            |                                |
|                   | 12:37      | 5/30/2007  | 0.0                                | 1.8                                | 17.5                        | 80.7            |                                |
|                   | 13:40      | 6/19/2007  | 0.0                                | 0.8                                | 20.0                        | 79.2            |                                |
|                   | 11:05      | 8/13/2007  | 0.0                                | 0.6                                | 20.6                        | 78.8            |                                |
|                   | 10:10      | 10/18/2007 | 0.1                                | 1.2                                | 17.9                        | 80.8            |                                |
|                   | 13:25      | 1/23/2008  | 0.3                                | 0.4                                | 20.9                        | 78.4            |                                |
|                   | 7:25       | 6/12/2008  | 0.0                                | 0.2                                | 20.9                        | 78.9            |                                |
| 10:45             | 7/21/2008  | 0.0        | 1.2                                | 19.2                               | 79.6                        |                 |                                |
| 11:18             | 10/3/2008  | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 10:05             | 10/13/2008 | 0.0        | 1.2                                | 19.7                               | 79.1                        |                 |                                |
| 7:05              | 1/27/2009  | 0.1        | 1.4                                | 20.1                               | 78.5                        |                 |                                |
| 11:15             | 4/9/2009   | 0.0        | 0.6                                | 19.4                               | 80.0                        |                 |                                |
| 10:37             | 7/22/2009  | 0.0        | 0.6                                | 18.9                               | 80.5                        |                 |                                |
| 9:33              | 10/28/2009 | 0.0        | 0.6                                | 19.3                               | 80.1                        |                 |                                |
| 8:14              | 1/26/2010  | 0.3        | 0.2                                | 20.5                               | 79.1                        |                 |                                |
| 8:11              | 5/25/2010  | 0.1        | 0.8                                | 18.5                               | 80.7                        |                 |                                |
| 9:05              | 9/28/2010  | 0.0        | 2.2                                | 16.6                               | 81.2                        |                 |                                |
| 7:20              | 1/25/2011  | 0.0        | 0.0                                | 19.6                               | 80.4                        |                 |                                |
| 7:30              | 4/25/2011  | 0.2        | 1.6                                | 18.9                               | 79.3                        |                 |                                |
| 7:18              | 7/13/2011  | 0.0        | 1.0                                | 19.4                               | 79.6                        |                 |                                |
| 11:15             | 10/26/2011 | 0.0        | 0.8                                | 20.4                               | 78.8                        |                 |                                |
| 7:17              | 1/25/2012  | 0.1        | 1.0                                | 19.1                               | 79.8                        |                 |                                |
| 9:15              | 4/2/2012   | 0.1        | 0.0                                | 20.9                               | 79.0                        |                 |                                |
| 7:51              | 7/25/2012  | 0.0        | 1.2                                | 18.2                               | 80.6                        |                 |                                |
| 11:08             | 10/15/2012 | 0.0        | 0.6                                | 18.7                               | 80.7                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time  | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|-------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-4              | 11:10 | 1/15/2013  | 0.0                                | 2.4                                | 18.4                        | 79.2            |                                |
|                   | 8:06  | 4/29/2013  | 0.0                                | 2.2                                | 18.7                        | 79.1            |                                |
|                   | 9:20  | 7/22/2013  | 0.0                                | 2.2                                | 17.6                        | 80.2            |                                |
|                   | 9:25  | 10/14/2013 | 0.0                                | 1.2                                | 20.9                        | 77.9            |                                |
|                   | 12:20 | 4/22/2014  | 0.0                                | 1.8                                | 17.9                        | 80.3            |                                |
|                   | 7:45  | 4/22/2015  | 0.0                                | 1.2                                | 20.3                        | 78.5            |                                |
|                   | 9:35  | 4/18/2016  | 0.05                               | 1.4                                | 19.3                        | 79.3            |                                |
|                   | 9:27  | 4/12/2017  | 0.0                                | 0.6                                | 20.1                        | 79.3            |                                |
|                   | 8:13  | 6/20/2018  | 0.0                                | 1.8                                | 19.2                        | 79.0            |                                |

CH<sub>4</sub> = Methane  
 CO<sub>2</sub> = Carbon Dioxide  
 O<sub>2</sub> = Oxygen  
 N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-5              | 9:13       | 3/22/2006  | 0.0                                | 4.4                                | 17.6                        | 78.0            | pre-startup                    |
|                   | 14:15      | 3/23/2006  | 0.0                                | 4.2                                | 17.6                        | 78.2            |                                |
|                   | 14:05      | 3/30/2006  | 1.2                                | 2.5                                | 18.8                        | 77.5            |                                |
|                   | 13:40      | 4/6/2006   | 1.1                                | 3.0                                | 17.9                        | 78.0            |                                |
|                   | 13:45      | 4/11/2006  | 0.7                                | 2.7                                | 17.5                        | 79.1            |                                |
|                   | 12:50      | 4/14/2006  | 0.1                                | 3.5                                | 15.4                        | 81.0            |                                |
|                   | 10:30      | 4/17/2006  | 0.0                                | 3.6                                | 16.2                        | 80.2            |                                |
|                   | 10:35      | 4/28/2006  | 2.2                                | 7.0                                | 13.0                        | 77.8            |                                |
|                   | 10:40      | 5/22/2006  | 1.5                                | 8.5                                | 11.2                        | 78.8            |                                |
|                   | 12:25      | 6/2/2006   | 0.1                                | 7.2                                | 9.4                         | 83.3            |                                |
|                   | 8:45       | 6/9/2006   | 0.1                                | 0.3                                | 10.5                        | 89.1            |                                |
|                   | 12:18      | 6/14/2006  | 0.1                                | 0.0                                | 9.1                         | 90.8            |                                |
|                   | 11:18      | 6/22/2006  | 0.7                                | 10.7                               | 10.5                        | 78.1            |                                |
|                   | 11:51      | 7/5/2006   | 0.6                                | 11.9                               | 11.1                        | 76.4            |                                |
|                   | 11:17      | 7/10/2006  | 0.7                                | 12.0                               | 10.1                        | 77.2            |                                |
|                   | 10:22      | 7/17/2006  | 0.8                                | 11.9                               | 11.1                        | 76.2            |                                |
|                   | 8:24       | 7/28/2006  | 0.6                                | 10.1                               | 11.5                        | 77.8            |                                |
|                   | 10:16      | 8/8/2006   | 0.6                                | 11.8                               | 10.1                        | 77.5            |                                |
|                   | 8:35       | 8/16/2006  | 0.8                                | 10.0                               | 10.5                        | 78.7            |                                |
|                   | 8:02       | 8/21/2006  | 0.5                                | 0.8                                | 10.9                        | 87.8            |                                |
|                   | 13:54      | 8/28/2006  | 0.6                                | 11.3                               | 13.3                        | 74.8            |                                |
|                   | 11:07      | 9/13/2006  | 0.1                                | 0.0                                | 13.4                        | 86.5            |                                |
|                   | 10:26      | 9/25/2006  | 0.0                                | 0.0                                | 13.4                        | 86.6            |                                |
|                   | 8:52       | 10/10/2006 | 0.7                                | 8.9                                | 14.4                        | 76.0            |                                |
|                   | 8:00       | 10/23/2006 | 0.3                                | 1.4                                | 15.5                        | 82.8            |                                |
|                   | 14:37      | 11/2/2006  | 0.3                                | 7.2                                | 14.0                        | 78.5            |                                |
|                   | 13:25      | 11/14/2006 | 0.2                                | 6.0                                | 14.9                        | 78.9            |                                |
|                   | 11:10      | 11/27/2006 | 0.2                                | 5.2                                | 15.7                        | 79.0            |                                |
|                   | 12:35      | 12/26/2006 | 0.1                                | 4.8                                | 15.7                        | 79.5            |                                |
|                   | 13:09      | 1/27/2007  | 0.4                                | 5.4                                | 15.8                        | 78.4            |                                |
|                   | 10:55      | 2/24/2007  | 0.4                                | 4.2                                | 17.3                        | 78.2            |                                |
|                   | 17:30      | 3/28/2007  | 0.3                                | 3.4                                | 16.6                        | 79.8            |                                |
|                   | 10:22      | 5/1/2007   | 0.1                                | 3.4                                | 14.0                        | 82.5            |                                |
|                   | 12:40      | 5/30/2007  | 0.0                                | 6.4                                | 9.9                         | 83.7            |                                |
|                   | 16:25      | 6/19/2007  | 0.0                                | 7.4                                | 12.1                        | 80.5            |                                |
|                   | 11:39      | 8/13/2007  | 0.0                                | 8.4                                | 11.8                        | 79.8            |                                |
|                   | 10:20      | 10/18/2007 | 0.1                                | 9.6                                | 9.4                         | 80.9            |                                |
|                   | 13:12      | 1/23/2008  | 0.3                                | 5.6                                | 15.7                        | 78.4            |                                |
|                   | 9:00       | 6/12/2008  | 0.0                                | 6.0                                | 9.7                         | 84.3            |                                |
|                   | 12:05      | 7/21/2008  | 0.0                                | 10.6                               | 7.7                         | 81.7            |                                |
| 11:55             | 10/3/2008  | 0.0        | 8.2                                | 12.7                               | 79.1                        |                 |                                |
| 11:08             | 10/13/2008 | 0.0        | 6.6                                | 14.1                               | 79.3                        |                 |                                |
| 7:10              | 1/27/2009  | 0.2        | 3.2                                | 14.0                               | 82.7                        |                 |                                |
| 11:02             | 4/9/2009   | 0.0        | 2.8                                | 16.8                               | 80.4                        |                 |                                |
| 7:30              | 7/22/2009  | 0.0        | 7.8                                | 13.0                               | 79.2                        |                 |                                |
| 10:20             | 10/28/2009 | 0.0        | 5.6                                | 14.4                               | 80.0                        |                 |                                |
| 9:05              | 1/26/2010  | 0.3        | 4.8                                | 16.2                               | 78.8                        |                 |                                |
| 8:40              | 5/25/2010  | 0.0        | 6.4                                | 9.5                                | 84.1                        |                 |                                |
| 11:00             | 9/28/2010  | 0.0        | 8.8                                | 11.6                               | 79.6                        |                 |                                |
| 8:04              | 1/25/2011  | 0.2        | 4.4                                | 17.0                               | 78.4                        |                 |                                |
| 10:35             | 4/25/2011  | 0.2        | 3.0                                | 16.0                               | 80.8                        |                 |                                |
| 6:28              | 7/13/2011  | 0.0        | 9.4                                | 10.7                               | 79.9                        |                 |                                |
| 12:05             | 10/26/2011 | 0.0        | 6.6                                | 15.5                               | 77.9                        |                 |                                |
| 10:25             | 1/25/2012  | 0.1        | 4.8                                | 14.9                               | 80.2                        |                 |                                |
| 10:48             | 4/2/2012   | 0.1        | 3.8                                | 16.3                               | 79.8                        |                 |                                |
| 10:24             | 7/25/2012  | 0.0        | 7.0                                | 11.9                               | 81.1                        |                 |                                |
| 9:00              | 10/15/2012 | 0.0        | 4.8                                | 15.2                               | 80.0                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time  | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|-------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-5              | 11:18 | 1/15/2013  | 0.0                                | 4.6                                | 16.9                        | 78.5            |                                |
|                   | 10:08 | 4/29/2013  | 0.0                                | 2.0                                | 16.4                        | 81.6            |                                |
|                   | 8:15  | 7/22/2013  | 0.0                                | 9.2                                | 7.4                         | 83.4            |                                |
|                   | 7:54  | 10/14/2013 | 0.0                                | 6.8                                | 14.9                        | 78.3            |                                |
|                   | 7:50  | 4/22/2014  | 0.0                                | 1.8                                | 17.7                        | 80.5            |                                |
|                   | 9:04  | 4/22/2015  | 0.0                                | 2.6                                | 17.6                        | 79.8            |                                |
|                   | 8:30  | 4/18/2016  | 0.0                                | 2.4                                | 15.6                        | 82.0            |                                |
|                   | 8:21  | 4/12/2017  | 0.0                                | 2.6                                | 16.5                        | 80.9            |                                |
|                   | 8:49  | 6/20/2018  | 0.0                                | 6.6                                | 9.2                         | 84.2            |                                |

CH<sub>4</sub> = Methane  
 CO<sub>2</sub> = Carbon Dioxide  
 O<sub>2</sub> = Oxygen  
 N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-6              | 7:45       | 3/22/2006  | 0.0                                | 6.1                                | 13.9                        | 80.0            | pre-startup                    |
|                   | 15:55      | 3/23/2006  | 0.0                                | 4.9                                | 16.3                        | 78.8            |                                |
|                   | 15:15      | 3/30/2006  | 0.0                                | 1.7                                | 18.3                        | 80.0            |                                |
|                   | 14:25      | 4/6/2006   | 0.0                                | 2.8                                | 16.9                        | 80.3            |                                |
|                   | 14:30      | 4/11/2006  | 0.7                                | 2.8                                | 17.3                        | 79.2            |                                |
|                   | 12:04      | 4/14/2006  | 0.0                                | 3.8                                | 14.6                        | 81.6            |                                |
|                   | 11:15      | 4/17/2006  | <b>10.4</b>                        | 2.3                                | 17.6                        | 69.7            |                                |
|                   | 10:30      | 4/28/2006  | 0.0                                | 2.5                                | 18.3                        | 79.2            |                                |
|                   | 14:30      | 5/4/2006   | 0.0                                | 2.7                                | 17.9                        | 79.4            |                                |
|                   | 11:30      | 5/22/2006  | 3.8                                | 3.9                                | 18.1                        | 74.2            |                                |
|                   | 13:04      | 6/2/2006   | 0.2                                | 2.4                                | 17.2                        | 80.2            |                                |
|                   | 9:25       | 6/9/2006   | 0.1                                | 0.8                                | 17.7                        | 81.4            |                                |
|                   | 14:10      | 6/14/2006  | 1.3                                | 3.3                                | 16.8                        | 78.6            |                                |
|                   | 9:50       | 6/22/2006  | 0.5                                | 3.1                                | 17.3                        | 79.1            |                                |
|                   | 11:13      | 7/5/2006   | 0.5                                | 3.6                                | 17.1                        | 78.8            |                                |
|                   | 10:34      | 7/10/2006  | 0.6                                | 3.9                                | 16.7                        | 78.8            |                                |
|                   | 9:58       | 7/17/2006  | 0.1                                | 0.6                                | 16.8                        | 82.5            |                                |
|                   | 12:10      | 7/28/2006  | 0.6                                | 3.6                                | 16.5                        | 79.3            |                                |
|                   | 9:05       | 8/8/2006   | 0.6                                | 3.5                                | 17.0                        | 78.9            |                                |
|                   | 7:29       | 8/16/2006  | 0.1                                | 0.0                                | 17.2                        | 82.7            |                                |
|                   | 7:18       | 8/21/2006  | 0.5                                | 3.6                                | 18.1                        | 77.8            |                                |
|                   | 13:21      | 8/28/2006  | 0.0                                | 0.0                                | 18.1                        | 81.9            |                                |
|                   | 10:20      | 9/13/2006  | 0.6                                | 1.0                                | 19.1                        | 79.3            |                                |
|                   | 11:05      | 9/25/2006  | 0.7                                | 2.6                                | 18.5                        | 78.2            |                                |
|                   | 7:30       | 10/10/2006 | 0.8                                | 2.3                                | 19.7                        | 77.2            |                                |
|                   | 7:34       | 10/23/2006 | 0.9                                | 2.4                                | 14.4                        | 82.3            |                                |
|                   | 13:05      | 11/2/2006  | 2.4                                | 0.8                                | 19.7                        | 77.1            |                                |
|                   | 13:14      | 11/14/2006 | 0.2                                | 3.0                                | 17.9                        | 78.9            |                                |
|                   | 10:35      | 11/27/2006 | 0.1                                | 0.6                                | 19.6                        | 79.8            |                                |
|                   | 14:20      | 12/26/2006 | 0.3                                | 3.0                                | 18.0                        | 78.7            |                                |
|                   | 13:45      | 1/27/2007  | 0.2                                | 3.4                                | 17.0                        | 79.5            |                                |
|                   | 12:45      | 2/24/2007  | 0.4                                | 3.0                                | 18.1                        | 78.5            |                                |
|                   | 16:00      | 3/28/2007  | 0.2                                | 2.4                                | 18.0                        | 79.5            |                                |
|                   | 10:45      | 5/1/2007   | 0.1                                | 3.0                                | 16.4                        | 80.5            |                                |
|                   | 12:23      | 5/30/2007  | 0.0                                | 3.2                                | 15.8                        | 81.0            |                                |
|                   | 16:15      | 6/19/2007  | 0.0                                | 2.4                                | 17.8                        | 79.8            |                                |
|                   | 10:54      | 8/13/2007  | 0.1                                | 2.6                                | 18.5                        | 78.9            |                                |
|                   | 11:14      | 10/18/2007 | 0.1                                | 3.4                                | 16.4                        | 80.1            |                                |
|                   | 11:28      | 1/23/2008  | 0.0                                | 3.0                                | 18.0                        | 79.0            |                                |
|                   | 6:55       | 6/12/2008  | 0.0                                | 2.6                                | 17.8                        | 79.6            |                                |
| 11:00             | 7/21/2008  | 0.0        | 3.0                                | 15.5                               | 81.5                        |                 |                                |
| 12:53             | 10/3/2008  | 0.0        | 3.8                                | 17.7                               | 78.5                        |                 |                                |
| 9:55              | 10/13/2008 | 0.0        | 3.4                                | 18.2                               | 78.4                        |                 |                                |
| 10:05             | 1/27/2009  | 0.2        | 3.0                                | 18.4                               | 78.4                        |                 |                                |
| 10:58             | 4/9/2009   | 0.0        | 3.2                                | 16.6                               | 80.2                        |                 |                                |
| 10:20             | 7/22/2009  | 0.0        | 3.6                                | 17.1                               | 79.3                        |                 |                                |
| 9:10              | 10/28/2009 | 0.0        | 2.6                                | 17.2                               | 80.2                        |                 |                                |
| 8:00              | 1/26/2010  | 0.1        | 3.0                                | 17.4                               | 79.6                        |                 |                                |
| 8:18              | 5/25/2010  | 0.0        | 2.4                                | 16.5                               | 81.1                        |                 |                                |
| 8:42              | 9/28/2010  | 0.0        | 4.2                                | 14.6                               | 81.2                        |                 |                                |
| 11:25             | 1/25/2011  | 0.2        | 0.4                                | 20.0                               | 79.4                        |                 |                                |
| 7:00              | 4/25/2011  | 0.1        | 3.0                                | 17.2                               | 79.7                        |                 |                                |
| 7:32              | 7/13/2011  | 0.0        | 2.8                                | 17.1                               | 80.1                        |                 |                                |
| 7:25              | 10/26/2011 | 0.0        | 3.0                                | 18.3                               | 78.7                        |                 |                                |
| 7:08              | 1/25/2012  | 0.1        | 1.2                                | 18.8                               | 79.9                        |                 |                                |
| 8:40              | 4/2/2012   | 0.1        | 0.2                                | 20.9                               | 78.8                        |                 |                                |
| 8:01              | 7/25/2012  | 0.0        | 2.4                                | 17.7                               | 79.9                        |                 |                                |
| 10:38             | 10/15/2012 | 0.0        | 1.8                                | 18.1                               | 80.1                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time  | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|-------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-6              | 8:50  | 1/15/2013  | 0.0                                | 2.8                                | 18.0                        | 79.2            |                                |
|                   | 7:58  | 4/29/2013  | 0.0                                | 2.4                                | 17.8                        | 79.8            |                                |
|                   | 9:46  | 7/22/2013  | 0.0                                | 3.0                                | 16.7                        | 80.3            |                                |
|                   | 9:45  | 10/14/2013 | 0.0                                | 2.4                                | 19.6                        | 78.0            |                                |
|                   | 10:25 | 4/22/2014  | 0.0                                | 2.4                                | 17.5                        | 80.1            |                                |
|                   | 7:35  | 4/22/2015  | 0.0                                | 2.6                                | 18.9                        | 78.5            |                                |
|                   | 9:50  | 4/18/2016  | 0.0                                | 2.4                                | 17.8                        | 79.8            |                                |
|                   | 9:40  | 4/12/2017  | 0.0                                | 1.8                                | 19.3                        | 78.9            |                                |
|                   | 9:11  | 6/20/2018  | 0.0                                | 1.8                                | 18.5                        | 79.7            |                                |

CH<sub>4</sub> = Methane  
 CO<sub>2</sub> = Carbon Dioxide  
 O<sub>2</sub> = Oxygen  
 N = Nitrogen



Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-7              | 7:40       | 3/22/2006  | 1.0                                | 7.0                                | 13.0                        | 79.0            | pre-startup                    |
|                   | 15:50      | 3/23/2006  | 0.1                                | 5.0                                | 14.7                        | 80.2            |                                |
|                   | 15:00      | 3/30/2006  | 7.1                                | 4.6                                | 18.2                        | 70.1            |                                |
|                   | 14:20      | 4/6/2006   | 0.1                                | 2.3                                | 17.0                        | 80.6            |                                |
|                   | 14:25      | 4/11/2006  | 0.2                                | 3.2                                | 16.3                        | 80.3            |                                |
|                   | 12:07      | 4/14/2006  | 0.1                                | 5.2                                | 11.8                        | 82.9            |                                |
|                   | 10:15      | 4/17/2006  | 10.5                               | 1.3                                | 18.5                        | 69.7            |                                |
|                   | 10:25      | 4/28/2006  | 0.0                                | 1.7                                | 19.2                        | 79.1            |                                |
|                   | 14:25      | 5/4/2006   | 1.2                                | 2.2                                | 18.8                        | 77.8            |                                |
|                   | 11:22      | 5/22/2006  | 0.0                                | 1.0                                | 19.5                        | 79.5            |                                |
|                   | 13:00      | 6/2/2006   | 0.2                                | 1.6                                | 18.5                        | 79.7            |                                |
|                   | 9:20       | 6/9/2006   | 3.7                                | 2.4                                | 20.0                        | 73.9            |                                |
|                   | 14:05      | 6/14/2006  | 3.1                                | 2.5                                | 19.2                        | 75.2            |                                |
|                   | 9:45       | 6/22/2006  | 0.5                                | 1.7                                | 19.1                        | 78.7            |                                |
|                   | 11:10      | 7/5/2006   | 0.5                                | 1.5                                | 19.3                        | 78.7            |                                |
|                   | 10:30      | 7/10/2006  | 0.0                                | 0.0                                | 18.6                        | 81.4            |                                |
|                   | 9:55       | 7/17/2006  | 0.1                                | 0.0                                | 18.5                        | 81.4            |                                |
|                   | 12:05      | 7/28/2006  | 0.0                                | 3.7                                | 18.5                        | 77.8            |                                |
|                   | 9:00       | 8/8/2006   | 0.6                                | 1.3                                | 19.0                        | 79.1            |                                |
|                   | 7:25       | 8/16/2006  | 0.5                                | 1.5                                | 19.2                        | 78.8            |                                |
|                   | 7:16       | 8/21/2006  | 0.5                                | 1.4                                | 19.8                        | 78.3            |                                |
|                   | 13:19      | 8/28/2006  | 0.4                                | 1.2                                | 19.5                        | 78.9            |                                |
|                   | 10:19      | 9/13/2006  | 0.6                                | 1.3                                | 19.9                        | 78.2            |                                |
|                   | 11:03      | 9/25/2006  | 1.8                                | 2.2                                | 17.7                        | 78.3            |                                |
|                   | 7:28       | 10/10/2006 | 0.7                                | 1.4                                | 19.5                        | 78.4            |                                |
|                   | 7:32       | 10/23/2006 | 3.0                                | 2.8                                | 19.0                        | 75.2            |                                |
|                   | 13:00      | 11/2/2006  | 0.5                                | 1.6                                | 19.8                        | 78.1            |                                |
|                   | 13:18      | 11/14/2006 | 0.2                                | 3.2                                | 17.2                        | 79.4            |                                |
|                   | 10:30      | 11/27/2006 | 0.0                                | 1.2                                | 19.0                        | 79.8            |                                |
|                   | 14:15      | 12/26/2006 | 0.3                                | 2.6                                | 18.0                        | 79.1            |                                |
|                   | 13:40      | 1/27/2007  | 0.1                                | 3.4                                | 16.7                        | 79.9            |                                |
|                   | 12:40      | 2/24/2007  | 0.4                                | 3.2                                | 17.2                        | 79.2            |                                |
|                   | 15:55      | 3/28/2007  | 0.1                                | 1.2                                | 18.9                        | 79.8            |                                |
|                   | 10:43      | 5/1/2007   | 0.1                                | 3.6                                | 15.1                        | 81.2            |                                |
|                   | 12:26      | 5/30/2007  | 0.0                                | 3.6                                | 15.6                        | 80.8            |                                |
|                   | 16:20      | 6/19/2007  | 0.0                                | 2.6                                | 17.5                        | 79.9            |                                |
|                   | 10:50      | 8/13/2007  | 0.1                                | 1.4                                | 19.3                        | 79.3            |                                |
|                   | 11:10      | 10/18/2007 | 0.1                                | 3.6                                | 15.5                        | 80.8            |                                |
|                   | 11:24      | 1/23/2008  | 0.0                                | 3.2                                | 17.6                        | 79.2            |                                |
|                   | 10:48      | 6/12/2008  | 0.0                                | 1.4                                | 18.4                        | 80.2            |                                |
| 10:55             | 7/21/2008  | 0.0        | 2.6                                | 17.3                               | 80.1                        |                 |                                |
| 12:50             | 10/3/2008  | 0.0        | 1.8                                | 19.6                               | 78.6                        |                 |                                |
| 9:50              | 10/13/2008 | 0.1        | 1.6                                | 19.4                               | 79.0                        |                 |                                |
| 10:00             | 1/27/2009  | 0.2        | 3.0                                | 18.2                               | 78.6                        |                 |                                |
| 10:58             | 4/9/2009   | 0.0        | 3.2                                | 16.6                               | 80.2                        |                 |                                |
| 10:15             | 7/22/2009  | 0.0        | 0.4                                | 19.1                               | 80.5                        |                 |                                |
| 9:05              | 10/28/2009 | 0.0        | 1.4                                | 18.2                               | 80.4                        |                 |                                |
| 7:50              | 1/26/2010  | 0.0        | 0.4                                | 20.0                               | 79.6                        |                 |                                |
| 8:14              | 5/25/2010  | 0.0        | 1.8                                | 17.7                               | 80.5                        |                 |                                |
| 8:35              | 9/28/2010  | 0.0        | 4.0                                | 14.3                               | 81.7                        |                 |                                |
| 11:20             | 1/25/2011  | 0.2        | 0.4                                | 20.0                               | 79.4                        |                 |                                |
| 6:55              | 4/25/2011  | 0.1        | 3.2                                | 16.6                               | 80.1                        |                 |                                |
| 7:29              | 7/13/2011  | 0.0        | 1.4                                | 19.1                               | 79.5                        |                 |                                |
| 7:20              | 10/26/2011 | 0.0        | 0.6                                | 19.9                               | 79.5                        |                 |                                |
| 7:05              | 1/25/2012  | 0.1        | 2.0                                | 18.0                               | 79.9                        |                 |                                |
| 8:35              | 4/2/2012   | 0.0        | 2.4                                | 18.3                               | 79.3                        |                 |                                |
| 7:59              | 7/25/2012  | 0.0        | 1.8                                | 17.4                               | 80.8                        |                 |                                |
| 10:30             | 10/15/2012 | 0.0        | 1.6                                | 18.0                               | 80.4                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time  | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|-------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-7              | 8:37  | 1/15/2013  | 0.0                                | 3.2                                | 17.1                        | 79.7            |                                |
|                   | 7:55  | 4/29/2013  | 0.0                                | 3.2                                | 16.2                        | 80.6            |                                |
|                   | 9:52  | 7/22/2013  | 0.0                                | 2.6                                | 17.6                        | 79.8            |                                |
|                   | 9:40  | 10/14/2013 | 0.0                                | 1.4                                | 20.5                        | 78.1            |                                |
|                   | 10:21 | 4/22/2014  | 0.0                                | 2.8                                | 16.4                        | 80.8            |                                |
|                   | 7:30  | 4/22/2015  | 0.0                                | 2.0                                | 19.0                        | 79.0            |                                |
|                   | 9:45  | 4/18/2016  | 0.0                                | 1.4                                | 18.8                        | 79.8            |                                |
|                   | 9:37  | 4/12/2017  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 9:08  | 6/20/2018  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |

CH<sub>4</sub> = Methane  
 CO<sub>2</sub> = Carbon Dioxide  
 O<sub>2</sub> = Oxygen  
 N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-8              | 9:03       | 3/22/2006  | 0.0                                | 2.4                                | 18.6                        | 79.0            | pre-startup                    |
|                   | 14:50      | 3/23/2006  | 0.0                                | 1.9                                | 18.6                        | 79.5            |                                |
|                   | 14:55      | 3/30/2006  | 3.0                                | 7.2                                | 14.8                        | 75.0            |                                |
|                   | 14:10      | 4/6/2006   | 0.0                                | 7.0                                | 10.9                        | 82.1            |                                |
|                   | 14:20      | 4/11/2006  | 0.0                                | 4.8                                | 13.6                        | 81.6            |                                |
|                   | 12:25      | 4/14/2006  | 0.0                                | 5.4                                | 12.2                        | 82.4            |                                |
|                   | 11:10      | 4/17/2006  | 0.0                                | 0.1                                | 20.7                        | 79.2            |                                |
|                   | 10:00      | 4/28/2006  | 0.0                                | 0.2                                | 20.4                        | 79.4            |                                |
|                   | 14:20      | 5/4/2006   | 0.0                                | 0.2                                | 19.3                        | 80.5            |                                |
|                   | 11:18      | 5/22/2006  | 0.6                                | 0.1                                | 20.4                        | 78.9            |                                |
|                   | 12:55      | 6/2/2006   | 0.2                                | 0.7                                | 19.3                        | 79.8            |                                |
|                   | 9:03       | 6/9/2006   | 2.4                                | 0.6                                | 20.3                        | 76.7            |                                |
|                   | 13:37      | 6/14/2006  | 4.0                                | 1.6                                | 19.6                        | 74.8            |                                |
|                   | 9:55       | 6/22/2006  | 0.5                                | 0.5                                | 19.8                        | 79.2            |                                |
|                   | 12:27      | 7/5/2006   | 1.6                                | 0.9                                | 19.6                        | 77.9            |                                |
|                   | 11:45      | 7/10/2006  | 0.7                                | 1.2                                | 19.2                        | 78.9            |                                |
|                   | 11:10      | 7/17/2006  | 0.6                                | 2.3                                | 17.7                        | 79.4            |                                |
|                   | 12:45      | 7/28/2006  | 0.6                                | 0.8                                | 19.0                        | 79.6            |                                |
|                   | 10:58      | 8/8/2006   | <b>17.8</b>                        | 1.3                                | 19.1                        | 61.8            |                                |
|                   | 7:47       | 8/16/2006  | 0.1                                | 0.2                                | 19.5                        | 80.2            |                                |
|                   | 7:33       | 8/21/2006  | 0.8                                | 1.3                                | 19.6                        | 78.3            |                                |
|                   | 13:35      | 8/28/2006  | 0.0                                | 0.0                                | 19.1                        | 80.9            |                                |
|                   | 10:47      | 9/13/2006  | 0.0                                | 0.0                                | 20.1                        | 79.9            |                                |
|                   | 10:06      | 9/25/2006  | 0.0                                | 0.0                                | 17.5                        | 82.5            |                                |
|                   | 7:26       | 10/10/2006 | 0.1                                | 0.0                                | 19.3                        | 80.6            |                                |
|                   | 7:44       | 10/23/2006 | 0.7                                | 1.4                                | 19.6                        | 78.3            |                                |
|                   | 13:20      | 11/2/2006  | 3.7                                | 0.3                                | 20.5                        | 75.5            |                                |
|                   | 13:04      | 11/14/2006 | 0.1                                | 4.2                                | 15.1                        | 80.6            |                                |
|                   | 10:45      | 11/27/2006 | 0.1                                | 0.6                                | 19.4                        | 79.9            |                                |
|                   | 14:09      | 12/26/2006 | 0.3                                | 0.8                                | 19.2                        | 79.7            |                                |
|                   | 12:15      | 1/27/2007  | 0.2                                | 0.0                                | 19.7                        | 80.1            |                                |
|                   | 12:20      | 2/24/2007  | 0.3                                | 5.2                                | 12.8                        | 81.8            |                                |
|                   | 15:47      | 3/28/2007  | 0.1                                | 0.6                                | 19.6                        | 79.7            |                                |
|                   | 11:00      | 5/1/2007   | 0.0                                | 8.5                                | 7.6                         | 83.9            |                                |
|                   | 12:20      | 5/30/2007  | 0.0                                | 3.4                                | 15.2                        | 81.4            |                                |
|                   | 13:25      | 6/19/2007  | 0.0                                | 0.6                                | 20.2                        | 79.2            |                                |
|                   | 11:10      | 8/13/2007  | 0.0                                | 1.0                                | 19.8                        | 79.2            |                                |
|                   | 11:05      | 10/18/2007 | 0.1                                | 6.0                                | 11.5                        | 82.4            |                                |
|                   | 11:38      | 1/23/2008  | 0.1                                | 1.0                                | 19.2                        | 79.8            |                                |
|                   | 7:35       | 6/12/2008  | 0.0                                | 0.6                                | 20.7                        | 78.7            |                                |
| 10:50             | 7/21/2008  | 0.0        | 1.0                                | 19.3                               | 79.7                        |                 |                                |
| 12:45             | 10/3/2008  | 0.0        | 0.4                                | 20.9                               | 78.7                        |                 |                                |
| 10:10             | 10/13/2008 | 0.0        | 1.4                                | 19.4                               | 79.2                        |                 |                                |
| 10:10             | 1/27/2009  | 0.3        | 1.8                                | 19.0                               | 78.9                        |                 |                                |
| 10:51             | 4/9/2009   | 0.0        | 0.4                                | 19.4                               | 80.2                        |                 |                                |
| 10:27             | 7/22/2009  | 0.0        | 0.8                                | 18.8                               | 80.4                        |                 |                                |
| 10:00             | 10/28/2009 | 0.0        | 1.8                                | 17.8                               | 80.4                        |                 |                                |
| 9:30              | 1/26/2010  | 0.3        | 0.4                                | 20.0                               | 79.4                        |                 |                                |
| 8:25              | 5/25/2010  | 0.0        | 1.0                                | 18.4                               | 80.6                        |                 |                                |
| 9:11              | 9/28/2010  | 0.0        | 5.4                                | 12.7                               | 81.9                        |                 |                                |
| 11:15             | 1/25/2011  | 0.2        | 0.4                                | 20.0                               | 79.4                        |                 |                                |
| 7:40              | 4/25/2011  | 0.2        | 4.4                                | 14.4                               | 81.0                        |                 |                                |
| 7:23              | 7/13/2011  | 0.0        | 0.8                                | 19.2                               | 80.0                        |                 |                                |
| 7:30              | 10/26/2011 | 0.0        | 0.8                                | 20.4                               | 78.8                        |                 |                                |
| 7:27              | 1/25/2012  | 0.1        | 1.6                                | 18.7                               | 79.6                        |                 |                                |
| 9:25              | 4/2/2012   | 0.1        | 1.0                                | 20.4                               | 78.5                        |                 |                                |
| 11:07             | 7/25/2012  | 0.0        | 3.0                                | 16.0                               | 81.0                        |                 |                                |
| 11:15             | 10/15/2012 | 0.0        | 1.0                                | 18.3                               | 80.7                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time  | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|-------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-8              | 8:59  | 1/15/2013  | 0.0                                | 3.2                                | 16.8                        | 80.0            |                                |
|                   | 7:49  | 4/29/2013  | 0.0                                | 3.6                                | 15.3                        | 81.1            |                                |
|                   | 9:30  | 7/22/2013  | 0.0                                | 3.0                                | 16.5                        | 80.5            |                                |
|                   | 9:10  | 10/14/2013 | 0.0                                | 2.2                                | 18.4                        | 79.4            |                                |
|                   | 12:06 | 4/22/2014  | 0.0                                | 3.6                                | 15.0                        | 81.4            |                                |
|                   | 7:50  | 4/22/2015  | 0.0                                | 3.0                                | 17.2                        | 79.8            |                                |
|                   | 9:20  | 4/18/2016  | 0.05                               | 3.0                                | 16.6                        | 80.4            |                                |
|                   | 9:17  | 4/12/2017  | 0.0                                | 4.0                                | 15.9                        | 80.1            |                                |
|                   | 8:25  | 6/20/2018  | 0.0                                | 5.0                                | 11.9                        | 83.1            |                                |

CH<sub>4</sub> = Methane  
 CO<sub>2</sub> = Carbon Dioxide  
 O<sub>2</sub> = Oxygen  
 N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |  |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|--|
| GP-10             | 8:58       | 3/22/2006  | 0.0                                | 4.5                                | 15.4                        | 80.1            | pre-startup                    |  |
|                   | 14:42      | 3/23/2006  | 0.0                                | 4.3                                | 15.5                        | 80.2            |                                |  |
|                   | 14:50      | 3/30/2006  | 0.0                                | 1.6                                | 18.7                        | 79.7            |                                |  |
|                   | 14:15      | 4/6/2006   | 0.0                                | 2.3                                | 17.1                        | 80.6            |                                |  |
|                   | 13:55      | 4/11/2006  | 0.0                                | 1.5                                | 18.3                        | 80.2            |                                |  |
|                   | 11:54      | 4/14/2006  | 0.0                                | 1.9                                | 17.4                        | 80.7            |                                |  |
|                   | 10:50      | 4/17/2006  | 0.0                                | 3.0                                | 16.5                        | 80.5            |                                |  |
|                   | 9:50       | 4/28/2006  | 0.0                                | 3.6                                | 15.0                        | 81.4            |                                |  |
|                   | 14:00      | 5/4/2006   | 0.0                                | 3.4                                | 15.4                        | 81.2            |                                |  |
|                   | 11:04      | 5/22/2006  | 0.0                                | 1.3                                | 19.0                        | 79.7            |                                |  |
|                   | 12:45      | 6/2/2006   | 0.1                                | 1.8                                | 17.6                        | 80.5            |                                |  |
|                   | 8:55       | 6/9/2006   | 0.7                                | 0.9                                | 19.6                        | 78.8            |                                |  |
|                   | 13:15      | 6/14/2006  | 0.0                                | 0.0                                | 17.7                        | 82.3            |                                |  |
|                   | 10:05      | 6/22/2006  | 0.6                                | 0.8                                | 19.9                        | 78.7            |                                |  |
|                   | 12:38      | 7/5/2006   | 0.6                                | 5.3                                | 14.9                        | 79.2            |                                |  |
|                   | 11:50      | 7/10/2006  | 0.6                                | 5.5                                | 14.6                        | 79.3            |                                |  |
|                   | 11:19      | 7/17/2006  | 0.6                                | 1.4                                | 19.4                        | 78.6            |                                |  |
|                   | 13:09      | 7/28/2006  | 0.6                                | 1.0                                | 19.2                        | 79.2            |                                |  |
|                   | 11:11      | 8/8/2006   | 0.6                                | 4.7                                | 14.7                        | 80.0            |                                |  |
|                   | 7:58       | 8/16/2006  | 0.1                                | 0.2                                | 16.4                        | 83.3            |                                |  |
|                   | 7:44       | 8/21/2006  | 0.4                                | 3.5                                | 17.3                        | 78.8            |                                |  |
|                   | 13:42      | 8/28/2006  | 0.0                                | 0.0                                | 17.7                        | 82.3            |                                |  |
|                   | 10:53      | 9/13/2006  | 0.6                                | 2.4                                | 18.6                        | 78.4            |                                |  |
|                   | 10:12      | 9/25/2006  | 0.7                                | 5.5                                | 16.0                        | 77.8            |                                |  |
|                   | 7:48       | 10/10/2006 | 0.7                                | 5.3                                | 19.2                        | 74.8            |                                |  |
|                   | 7:48       | 10/23/2006 | 0.6                                | 5.0                                | 17.5                        | 76.9            |                                |  |
|                   | 13:31      | 11/2/2006  | 0.6                                | 4.3                                | 17.3                        | 77.8            |                                |  |
|                   | 12:35      | 11/14/2006 | 0.1                                | 4.2                                | 16.3                        | 79.5            |                                |  |
|                   | 10:55      | 11/27/2006 | 0.1                                | 4.0                                | 16.8                        | 79.1            |                                |  |
|                   | 13:50      | 12/26/2006 | 0.3                                | 4.2                                | 16.7                        | 78.9            |                                |  |
|                   | 12:35      | 1/27/2007  | 0.3                                | 4.0                                | 17.2                        | 78.5            |                                |  |
|                   | 12:10      | 2/24/2007  | sampling port clogged with ice     |                                    |                             |                 |                                |  |
|                   | 16:10      | 3/28/2007  | 0.2                                | 3.2                                | 17.5                        | 79.2            |                                |  |
|                   | 11:10      | 5/1/2007   | 0.0                                | 3.8                                | 15.7                        | 80.5            |                                |  |
|                   | 12:15      | 5/30/2007  | 0.0                                | 3.4                                | 16.0                        | 80.6            |                                |  |
|                   | 13:15      | 6/19/2007  | 0.1                                | 1.8                                | 18.7                        | 79.5            |                                |  |
|                   | 11:24      | 8/13/2007  | 0.0                                | 1.0                                | 19.4                        | 79.6            |                                |  |
|                   | 10:50      | 10/18/2007 | 0.1                                | 2.4                                | 16.9                        | 80.6            |                                |  |
|                   | 14:20      | 1/23/2008  | 0.4                                | 2.8                                | 18.8                        | 78.0            |                                |  |
|                   | 7:55       | 6/12/2008  | 0.0                                | 4.0                                | 16.0                        | 80.0            |                                |  |
|                   | 11:15      | 7/21/2008  | 0.0                                | 4.6                                | 12.6                        | 82.8            |                                |  |
|                   | 12:30      | 10/3/2008  | 0.0                                | 5.0                                | 16.4                        | 78.6            |                                |  |
|                   | 11:50      | 10/13/2008 | 0.0                                | 4.6                                | 16.4                        | 79.0            |                                |  |
| 11:30             | 1/27/2009  | 0.3        | 3.4                                | 18.2                               | 78.1                        |                 |                                |  |
| 10:41             | 4/9/2009   | 0.0        | 3.2                                | 16.6                               | 80.2                        |                 |                                |  |
| 10:47             | 7/22/2009  | 0.0        | 2.8                                | 17.2                               | 80.0                        |                 |                                |  |
| 10:05             | 10/28/2009 | 0.0        | 2.8                                | 17.5                               | 79.7                        |                 |                                |  |
| 10:30             | 1/26/2010  | 0.3        | 0.8                                | 19.6                               | 79.3                        |                 |                                |  |
| 11:50             | 5/25/2010  | 0.0        | 0.4                                | 19.0                               | 80.6                        |                 |                                |  |
| 10:16             | 9/28/2010  | 0.0        | 1.8                                | 17.7                               | 80.5                        |                 |                                |  |
| 11:00             | 1/25/2011  | 0.2        | 0.4                                | 20.0                               | 79.4                        |                 |                                |  |
| 7:50              | 4/25/2011  | 0.2        | 3.4                                | 17.0                               | 79.4                        |                 |                                |  |
| 7:41              | 7/13/2011  | 0.0        | 1.4                                | 19.2                               | 79.4                        |                 |                                |  |
| 7:50              | 10/26/2011 | 0.0        | 2.4                                | 19.2                               | 78.4                        |                 |                                |  |
| 9:45              | 1/25/2012  | 0.1        | 4.4                                | 16.2                               | 79.3                        |                 |                                |  |
| 9:45              | 4/2/2012   | 0.1        | 4.2                                | 17.0                               | 78.7                        |                 |                                |  |
| 10:52             | 7/25/2012  | 0.0        | 4.0                                | 15.7                               | 80.3                        |                 |                                |  |
| 10:21             | 10/15/2012 | 0.0        | 3.2                                | 15.0                               | 81.8                        |                 |                                |  |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time  | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|-------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-10             | 10:20 | 1/15/2013  | 0.0                                | 3.0                                | 17.5                        | 79.5            |                                |
|                   | 7:43  | 4/29/2013  | 0.0                                | 3.0                                | 17.1                        | 79.9            |                                |
|                   | 8:33  | 7/22/2013  | 0.0                                | 4.8                                | 13.5                        | 81.7            |                                |
|                   | 9:00  | 10/14/2013 | 0.0                                | 3.6                                | 17.9                        | 78.5            |                                |
|                   | 11:29 | 4/22/2014  | 0.0                                | 3.2                                | 17.2                        | 79.6            |                                |
|                   | 7:55  | 4/22/2015  | 0.0                                | 3.6                                | 17.1                        | 79.3            |                                |
|                   | 8:55  | 4/18/2016  | 0.0                                | 3.4                                | 16.9                        | 79.7            |                                |
|                   | 9:03  | 4/12/2017  | 0.0                                | 4.2                                | 17.2                        | 78.6            |                                |
|                   | 8:56  | 6/20/2018  | 0.0                                | 4.4                                | 14.9                        | 80.7            |                                |

CH<sub>4</sub> = Methane  
 CO<sub>2</sub> = Carbon Dioxide  
 O<sub>2</sub> = Oxygen  
 N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-11             | 9:09       | 3/22/2006  | 0.0                                | 3.5                                | 17.6                        | 78.9            | pre-startup                    |
|                   | 14:27      | 3/23/2006  | 0.0                                | 3.4                                | 17.6                        | 79.0            |                                |
|                   | 14:40      | 3/30/2006  | 0.0                                | 0.8                                | 19.7                        | 79.5            |                                |
|                   | 13:55      | 4/6/2006   | 0.0                                | 1.7                                | 18.0                        | 80.3            |                                |
|                   | 14:00      | 4/11/2006  | 0.0                                | 0.7                                | 19.8                        | 79.5            |                                |
|                   | 11:43      | 4/14/2006  | 0.0                                | 0.5                                | 18.9                        | 80.6            |                                |
|                   | 10:55      | 4/17/2006  | 0.3                                | 0.1                                | 20.4                        | 79.2            |                                |
|                   | 7:30       | 4/28/2006  | 0.0                                | 0.7                                | 20.2                        | 79.1            |                                |
|                   | 14:05      | 5/4/2006   | 0.0                                | 0.0                                | 19.9                        | 80.1            |                                |
|                   | 11:07      | 5/22/2006  | 2.6                                | 0.3                                | 20.4                        | 76.7            |                                |
|                   | 12:34      | 6/2/2006   | 1.0                                | 0.1                                | 20.4                        | 78.5            |                                |
|                   | 9:45       | 6/9/2006   | 4.9                                | 0.6                                | 20.2                        | 74.3            |                                |
|                   | 13:23      | 6/14/2006  | 0.8                                | 0.3                                | 20.0                        | 78.9            |                                |
|                   | 10:10      | 6/22/2006  | 0.6                                | 0.0                                | 20.4                        | 79.0            |                                |
|                   | 12:41      | 7/5/2006   | 0.5                                | 1.4                                | 18.5                        | 79.6            |                                |
|                   | 11:55      | 7/10/2006  | 0.6                                | 2.5                                | 18.6                        | 78.3            |                                |
|                   | 11:21      | 7/17/2006  | 0.5                                | 1.5                                | 18.1                        | 79.9            |                                |
|                   | 13:15      | 7/28/2006  | 0.1                                | 0.2                                | 18.2                        | 81.5            |                                |
|                   | 10:36      | 8/8/2006   | 0.6                                | 2.2                                | 17.8                        | 79.4            |                                |
|                   | 8:01       | 8/16/2006  | 0.1                                | 0.0                                | 17.9                        | 82.0            |                                |
|                   | 7:46       | 8/21/2006  | 0.5                                | 2.4                                | 19.0                        | 78.1            |                                |
|                   | 13:45      | 8/28/2006  | 0.6                                | 2.6                                | 18.6                        | 78.2            |                                |
|                   | 10:55      | 9/13/2006  | 0.1                                | 2.7                                | 19.2                        | 78.0            |                                |
|                   | 10:14      | 9/25/2006  | 0.7                                | 2.1                                | 19.0                        | 78.2            |                                |
|                   | 8:00       | 10/10/2006 | 0.7                                | 2.0                                | 18.5                        | 78.8            |                                |
|                   | 7:52       | 10/23/2006 | 0.7                                | 1.0                                | 20.6                        | 77.7            |                                |
|                   | 13:34      | 11/2/2006  | 0.6                                | 1.5                                | 19.8                        | 78.1            |                                |
|                   | 12:44      | 11/14/2006 | 0.1                                | 2.0                                | 18.4                        | 79.6            |                                |
|                   | 10:58      | 11/27/2006 | 0.1                                | 1.0                                | 19.6                        | 79.3            |                                |
|                   | 13:40      | 12/26/2006 | 0.3                                | 2.0                                | 18.4                        | 79.4            |                                |
|                   | 12:41      | 1/27/2007  | 0.4                                | 2.6                                | 18.2                        | 78.9            |                                |
|                   | 11:10      | 2/24/2007  | 0.4                                | 2.6                                | 18.1                        | 78.9            |                                |
|                   | 16:14      | 3/28/2007  | 0.2                                | 2.6                                | 17.8                        | 79.5            |                                |
|                   | 11:15      | 5/1/2007   | 0.0                                | 3.4                                | 15.9                        | 80.7            |                                |
|                   | 12:06      | 5/30/2007  | 0.0                                | 3.0                                | 16.8                        | 80.2            |                                |
|                   | 13:05      | 6/19/2007  | 0.1                                | 2.8                                | 18.3                        | 78.8            |                                |
|                   | 11:27      | 8/13/2007  | 0.0                                | 2.2                                | 18.8                        | 79.0            |                                |
|                   | 10:34      | 10/18/2007 | 0.1                                | 2.8                                | 17.0                        | 80.1            |                                |
|                   | 12:10      | 1/23/2008  | 0.2                                | 2.4                                | 19.2                        | 78.2            |                                |
|                   | 8:05       | 6/12/2008  | 0.0                                | 2.6                                | 18.0                        | 79.4            |                                |
| 11:20             | 7/21/2008  | 0.0        | 3.4                                | 16.6                               | 80.0                        |                 |                                |
| 12:23             | 10/3/2008  | 0.0        | 2.0                                | 19.4                               | 78.6                        |                 |                                |
| 12:00             | 10/13/2008 | 0.0        | 2.2                                | 19.1                               | 78.7                        |                 |                                |
| 10:45             | 1/27/2009  | 0.3        | 3.0                                | 18.5                               | 78.2                        |                 |                                |
| 9:50              | 4/9/2009   | 0.0        | 3.4                                | 16.8                               | 79.8                        |                 |                                |
| 10:53             | 7/22/2009  | 0.0        | 2.0                                | 18.1                               | 79.9                        |                 |                                |
| 10:11             | 10/28/2009 | 0.0        | 2.4                                | 17.9                               | 79.7                        |                 |                                |
| 9:15              | 1/26/2010  | 0.3        | 2.6                                | 18.5                               | 78.6                        |                 |                                |
| 8:30              | 5/25/2010  | 0.0        | 3.2                                | 16.5                               | 80.3                        |                 |                                |
| 10:25             | 9/28/2010  | 0.0        | 3.0                                | 16.8                               | 80.2                        |                 |                                |
| 10:29             | 1/25/2011  | 0.2        | 3.6                                | 16.6                               | 79.6                        |                 |                                |
| 7:55              | 4/25/2011  | 0.2        | 4.0                                | 17.2                               | 78.6                        |                 |                                |
| 6:47              | 7/13/2011  | 0.0        | 2.8                                | 18.3                               | 78.9                        |                 |                                |
| 10:10             | 10/26/2011 | 0.0        | 3.0                                | 18.5                               | 78.5                        |                 |                                |
| 7:40              | 1/25/2012  | 0.1        | 2.6                                | 18.4                               | 78.9                        |                 |                                |
| 9:55              | 4/2/2012   | 0.1        | 3.6                                | 17.9                               | 78.4                        |                 |                                |
| 10:39             | 7/25/2012  | 0.0        | 1.8                                | 17.9                               | 80.3                        |                 |                                |
| 10:05             | 10/15/2012 | 0.0        | 1.6                                | 18.2                               | 80.2                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time  | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|-------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-11             | 7:40  | 1/15/2013  | 0.0                                | 2.2                                | 19.1                        | 78.7            |                                |
|                   | 7:35  | 4/29/2013  | 0.0                                | 2.6                                | 17.4                        | 80.0            |                                |
|                   | 8:40  | 7/22/2013  | 0.0                                | 2.4                                | 18.5                        | 79.1            |                                |
|                   | 8:36  | 10/14/2013 | 0.0                                | 1.8                                | 20.8                        | 77.4            |                                |
|                   | 11:46 | 4/22/2014  | 0.0                                | 3.4                                | 16.8                        | 79.8            |                                |
|                   | 13:05 | 4/22/2015  | 0.0                                | 1.8                                | 19.5                        | 78.7            |                                |
|                   | 8:40  | 4/18/2016  | 0.0                                | 2.4                                | 19.0                        | 78.6            |                                |
|                   | 8:37  | 4/12/2017  | 0.0                                | 2.6                                | 18.8                        | 78.6            |                                |
|                   | 8:30  | 6/20/2018  | 0.0                                | 3.2                                | 17.5                        | 79.3            |                                |

CH<sub>4</sub> = Methane  
 CO<sub>2</sub> = Carbon Dioxide  
 O<sub>2</sub> = Oxygen  
 N = Nitrogen



Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-12             | 9:06       | 3/22/2006  | 0.0                                | 5.7                                | 13.0                        | 81.3            | pre-startup                    |
|                   | 14:22      | 3/23/2006  | 0.0                                | 5.5                                | 13.2                        | 81.3            |                                |
|                   | 14:20      | 3/30/2006  | 0.0                                | 2.6                                | 17.7                        | 79.7            |                                |
|                   | 13:50      | 4/6/2006   | 0.2                                | 2.1                                | 17.3                        | 80.4            |                                |
|                   | 13:50      | 4/11/2006  | 0.0                                | 2.5                                | 17.1                        | 80.4            |                                |
|                   | 11:40      | 4/14/2006  | 0.0                                | 2.5                                | 15.5                        | 82.0            |                                |
|                   | 10:45      | 4/17/2006  | 1.4                                | 3.7                                | 18.4                        | 76.5            |                                |
|                   | 12:20      | 4/28/2006  | 0.0                                | 2.4                                | 18.0                        | 79.6            |                                |
|                   | 13:54      | 5/4/2006   | 0.0                                | 0.0                                | 17.3                        | 82.7            |                                |
|                   | 11:00      | 5/22/2006  | 1.4                                | 2.7                                | 17.5                        | 78.4            |                                |
|                   | 12:28      | 6/2/2006   | 0.1                                | 1.8                                | 17.4                        | 80.7            |                                |
|                   | 8:50       | 6/9/2006   | 0.9                                | 2.1                                | 19.2                        | 77.8            |                                |
|                   | 13:10      | 6/14/2006  | 0.1                                | 0.0                                | 17.5                        | 82.4            |                                |
|                   | 10:20      | 6/22/2006  | 0.5                                | 2.2                                | 18.2                        | 79.1            |                                |
|                   | 11:57      | 7/5/2006   | 0.6                                | 2.2                                | 18.2                        | 79.0            |                                |
|                   | 11:22      | 7/10/2006  | 0.6                                | 2.7                                | 18.2                        | 78.5            |                                |
|                   | 10:39      | 7/17/2006  | 0.7                                | 2.6                                | 17.5                        | 79.2            |                                |
|                   | 13:28      | 7/28/2006  | 0.6                                | 1.5                                | 18.2                        | 79.7            |                                |
|                   | 11:22      | 8/8/2006   | 0.6                                | 2.6                                | 17.5                        | 79.3            |                                |
|                   | 8:58       | 8/16/2006  | 4.1                                | 18.6                               | 10.0                        | 67.3            |                                |
|                   | 8:44       | 8/21/2006  | 0.6                                | 3.2                                | 18.5                        | 77.7            |                                |
|                   | 14:26      | 8/28/2006  | 0.0                                | 0.0                                | 19.4                        | 80.6            |                                |
|                   | 11:42      | 9/13/2006  | 0.1                                | 0.9                                | 17.9                        | 81.1            |                                |
|                   | 11:40      | 9/25/2006  | 0.8                                | 3.4                                | 16.8                        | 79.0            |                                |
|                   | 8:47       | 10/10/2006 | 0.7                                | 3.8                                | 17.6                        | 77.9            |                                |
|                   | 8:50       | 10/23/2006 | 0.7                                | 4.1                                | 16.4                        | 78.8            |                                |
|                   | 14:55      | 11/2/2006  | 3.9                                | 14.0                               | 7.7                         | 74.5            |                                |
|                   | 15:30      | 11/14/2006 | 0.3                                | 3.6                                | 16.7                        | 79.5            |                                |
|                   | 11:05      | 11/27/2006 | 0.2                                | 2.4                                | 18.0                        | 79.5            |                                |
|                   | 13:35      | 12/26/2006 | 0.3                                | 3.8                                | 15.7                        | 80.3            |                                |
|                   | 13:18      | 1/27/2007  | 0.4                                | 3.8                                | 15.7                        | 80.1            |                                |
|                   | 12:00      | 2/24/2007  | 0.2                                | 3.2                                | 16.6                        | 80.0            |                                |
|                   | 17:40      | 3/28/2007  | 0.2                                | 3.4                                | 16.4                        | 80.0            |                                |
|                   | 10:30      | 5/1/2007   | 0.1                                | 2.6                                | 16.1                        | 81.3            |                                |
|                   | 12:02      | 5/30/2007  | 0.0                                | 2.8                                | 16.0                        | 81.2            |                                |
|                   | 16:30      | 6/19/2007  | 0.0                                | 2.8                                | 18.1                        | 79.1            |                                |
|                   | 11:35      | 8/13/2007  | 0.0                                | 2.6                                | 18.3                        | 79.1            |                                |
|                   | 10:26      | 10/18/2007 | 0.1                                | 4.0                                | 15.2                        | 80.7            |                                |
|                   | 13:08      | 1/23/2008  | 0.3                                | 7.2                                | 12.2                        | 80.3            |                                |
|                   | 9:10       | 6/12/2008  | 0.0                                | 2.4                                | 17.1                        | 80.5            |                                |
| 11:45             | 7/21/2008  | 0.0        | 2.6                                | 17.0                               | 80.4                        |                 |                                |
| 12:00             | 10/3/2008  | 0.0        | 4.0                                | 17.6                               | 78.4                        |                 |                                |
| 11:30             | 10/13/2008 | 0.0        | 3.0                                | 18.0                               | 79.0                        |                 |                                |
| 7:15              | 1/27/2009  | 0.2        | 5.6                                | 15.3                               | 78.9                        |                 |                                |
| 9:44              | 4/9/2009   | 0.0        | 3.4                                | 15.8                               | 80.8                        |                 |                                |
| 7:35              | 7/22/2009  | 0.0        | 2.4                                | 17.9                               | 79.7                        |                 |                                |
| 11:15             | 10/28/2009 | 0.0        | 3.2                                | 16.4                               | 80.4                        |                 |                                |
| 9:10              | 1/26/2010  | 0.3        | 5.2                                | 14.9                               | 79.7                        |                 |                                |
| 11:55             | 5/25/2010  | 0.0        | 2.4                                | 16.1                               | 81.5                        |                 |                                |
| 11:10             | 9/28/2010  | 0.0        | 4.0                                | 15.3                               | 80.7                        |                 |                                |
| 8:19              | 1/25/2011  | 0.3        | 5.4                                | 14.6                               | 79.7                        |                 |                                |
| 11:00             | 4/25/2011  | 0.1        | 3.2                                | 16.1                               | 80.6                        |                 |                                |
| 6:35              | 7/13/2011  | 0.0        | 2.4                                | 17.5                               | 80.1                        |                 |                                |
| 11:30             | 10/26/2011 | 0.0        | 3.6                                | 17.8                               | 78.6                        |                 |                                |
| 10:35             | 1/25/2012  | 0.1        | 4.6                                | 14.8                               | 80.5                        |                 |                                |
| 11:00             | 4/2/2012   | 0.1        | 3.2                                | 16.1                               | 80.6                        |                 |                                |
| 10:32             | 7/25/2012  | 0.0        | 2.6                                | 16.9                               | 80.5                        |                 |                                |
| 9:08              | 10/15/2012 | 0.0        | 3.2                                | 16.1                               | 80.7                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time  | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|-------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| GP-12             | 11:30 | 1/15/2013  | 0.0                                | 5.4                                | 13.6                        | 81.0            |                                |
|                   | 8:12  | 4/29/2013  | 0.0                                | 3.2                                | 16.0                        | 80.8            |                                |
|                   | 8:24  | 7/22/2013  | 0.0                                | 3.2                                | 16.8                        | 80.0            |                                |
|                   | 8:10  | 10/14/2013 | 0.0                                | 3.2                                | 18.6                        | 78.2            |                                |
|                   | 7:58  | 4/22/2014  | 0.0                                | 2.6                                | 17.8                        | 79.6            |                                |
|                   | 9:15  | 4/22/2015  | 0.0                                | 3.4                                | 17.8                        | 78.8            |                                |
|                   | 8:35  | 4/18/2016  | 0.0                                | 2.4                                | 17.1                        | 80.5            |                                |
|                   | 8:25  | 4/12/2017  | 0.0                                | 3.4                                | 16.7                        | 79.9            |                                |
|                   | 8:45  | 6/20/2018  | 0.0                                | 2.4                                | 18.1                        | 79.5            |                                |

CH<sub>4</sub> = Methane  
 CO<sub>2</sub> = Carbon Dioxide  
 O<sub>2</sub> = Oxygen  
 N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| MW-101            | 9:24       | 3/23/2006  | 2.9                                | 18.1                               | 0.8                         | 78.2            | pre-startup                    |
|                   | 14:25      | 3/30/2006  | 1.0                                | 8.0                                | 10.9                        | 80.1            |                                |
|                   | 14:00      | 4/6/2006   | 0.8                                | 0.2                                | 20.0                        | 79.0            |                                |
|                   | 14:05      | 4/11/2006  | 0.0                                | 0.0                                | 20.3                        | 79.7            |                                |
|                   | 11:50      | 4/14/2006  | 0.0                                | 1.8                                | 17.9                        | 80.3            |                                |
|                   | 10:58      | 4/17/2006  | 2.0                                | 0.3                                | 20.5                        | 77.2            |                                |
|                   | 7:35       | 4/28/2006  | 0.0                                | 0.0                                | 20.7                        | 79.3            |                                |
|                   | 14:10      | 5/4/2006   | 0.0                                | 0.0                                | 20.2                        | 79.8            |                                |
|                   | 11:10      | 5/22/2006  | 0.0                                | 0.0                                | 20.5                        | 79.5            |                                |
|                   | 12:38      | 6/2/2006   | 0.2                                | 0.0                                | 20.4                        | 79.4            |                                |
|                   | 9:50       | 6/9/2006   | 1.1                                | 0.2                                | 20.5                        | 78.2            |                                |
|                   | 13:48      | 6/14/2006  | 4.1                                | 0.3                                | 20.4                        | 75.2            |                                |
|                   | 10:15      | 6/22/2006  | 0.0                                | 0.0                                | 20.4                        | 79.6            |                                |
|                   | 12:46      | 7/5/2006   | 0.6                                | 20.0                               | 20.0                        | 59.4            |                                |
|                   | 12:00      | 7/10/2006  | 0.6                                | 0.0                                | 20.0                        | 79.4            |                                |
|                   | 11:30      | 7/17/2006  | 0.0                                | 0.0                                | 19.8                        | 80.2            |                                |
|                   | 13:20      | 7/28/2006  | 0.6                                | 0.0                                | 19.3                        | 80.1            |                                |
|                   | 10:41      | 8/8/2006   | 0.8                                | 0.0                                | 19.8                        | 79.4            |                                |
|                   | 8:05       | 8/16/2006  | 0.1                                | 0.0                                | 19.6                        | 80.3            |                                |
|                   | 7:52       | 8/21/2006  | 0.9                                | 0.1                                | 20.4                        | 78.6            |                                |
|                   | 13:47      | 8/28/2006  | 0.6                                | 0.1                                | 20.2                        | 79.1            |                                |
|                   | 10:57      | 9/13/2006  | 0.6                                | 0.2                                | 19.8                        | 79.4            |                                |
|                   | 10:16      | 9/25/2006  | 0.6                                | 0.2                                | 20.2                        | 79.0            |                                |
|                   | 8:03       | 10/10/2006 | 0.7                                | 0.2                                | 20.5                        | 78.6            |                                |
|                   | 7:55       | 10/23/2006 | 0.9                                | 0.7                                | 19.8                        | 78.6            |                                |
|                   | 15:00      | 11/2/2006  | 0.3                                | 0.0                                | 20.8                        | 78.9            |                                |
|                   | 12:48      | 11/14/2006 | 0.1                                | 0.4                                | 19.4                        | 80.1            |                                |
|                   | 11:00      | 11/27/2006 | 0.1                                | 0.2                                | 20.0                        | 79.7            |                                |
|                   | 13:45      | 12/26/2006 | 0.3                                | 0.0                                | 19.3                        | 80.5            |                                |
|                   | 12:45      | 1/27/2007  | 0.4                                | 0.6                                | 20.0                        | 79.1            |                                |
|                   | 11:14      | 2/24/2007  | 0.5                                | 0.6                                | 20.1                        | 78.9            |                                |
|                   | 16:18      | 3/28/2007  | 0.2                                | 0.2                                | 20.1                        | 79.5            |                                |
|                   | 11:19      | 5/1/2007   | 0.0                                | 0.2                                | 18.8                        | 81.0            |                                |
|                   | 12:08      | 5/30/2007  | 0.0                                | 0.2                                | 18.9                        | 80.9            |                                |
|                   | 13:10      | 6/19/2007  | 0.1                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 11:30      | 8/13/2007  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 10:37      | 10/18/2007 | 0.1                                | 0.0                                | 19.6                        | 80.4            |                                |
|                   | 12:18      | 1/23/2008  | 0.2                                | 5.8                                | 14.4                        | 79.6            |                                |
|                   | 14:45      | 5/12/2008  | 0.0                                | 0.0                                | 19.8                        | 80.2            |                                |
|                   | 8:15       | 6/12/2008  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
| 11:30             | 7/21/2008  | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 12:20             | 10/3/2008  | 0.0        | 0.4                                | 20.9                               | 78.7                        |                 |                                |
| 12:05             | 10/13/2008 | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 10:40             | 1/27/2009  | 0.3        | 4.8                                | 15.7                               | 79.3                        |                 |                                |
| 11:57             | 4/9/2009   | 0.0        | 0.0                                | 19.9                               | 80.1                        |                 |                                |
| 10:57             | 7/22/2009  | 0.0        | 0.0                                | 19.4                               | 80.6                        |                 |                                |
| 10:16             | 10/28/2009 | 0.0        | 0.6                                | 19.6                               | 79.8                        |                 |                                |
| 9:20              | 1/26/2010  | 0.3        | 0.8                                | 19.4                               | 79.5                        |                 |                                |
| 8:34              | 5/25/2010  | 0.0        | 0.0                                | 19.3                               | 80.7                        |                 |                                |
| 10:32             | 9/28/2010  | 0.0        | 1.0                                | 17.7                               | 81.3                        |                 |                                |
| 10:45             | 1/25/2011  | 0.2        | 0.4                                | 20.0                               | 79.4                        |                 |                                |
| 8:00              | 4/25/2011  | 0.2        | 0.4                                | 20.9                               | 78.5                        |                 |                                |
| 6:50              | 7/13/2011  | 0.0        | 0.0                                | 20.5                               | 79.5                        |                 |                                |
| 10:15             | 10/26/2011 | 0.0        | 0.6                                | 20.4                               | 79.0                        |                 |                                |
| 7:38              | 1/25/2012  | 0.1        | 0.6                                | 19.5                               | 79.8                        |                 |                                |
| 10:00             | 4/2/2012   | 0.1        | 0.2                                | 20.9                               | 78.8                        |                 |                                |
| 10:43             | 7/25/2012  | 0.0        | 0.0                                | 19.1                               | 80.9                        |                 |                                |
| 10:15             | 10/15/2012 | 0.0        | 0.4                                | 18.9                               | 80.7                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time  | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|-------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| MW-101            | 7:50  | 1/15/2013  | 0.0                                | 1.8                                | 18.7                        | 79.5            |                                |
|                   | 7:39  | 4/29/2013  | 0.0                                | 0.4                                | 20.9                        | 78.7            |                                |
|                   | 8:45  | 7/22/2013  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 8:45  | 10/14/2013 | 0.0                                | 0.4                                | 20.9                        | 78.7            |                                |
|                   | 11:56 | 4/22/2014  | 0.5                                | 0.6                                | 20.1                        | 78.8            |                                |
|                   | 11:30 | 4/22/2015  | 0.0                                | 0.4                                | 20.7                        | 78.9            |                                |
|                   | 8:45  | 4/18/2016  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 8:43  | 4/12/2017  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 8:32  | 6/20/2018  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |

CH<sub>4</sub> = Methane  
 CO<sub>2</sub> = Carbon Dioxide  
 O<sub>2</sub> = Oxygen  
 N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| MW-102            | 14:20      | 3/23/2006  | 0.0                                | 0.7                                | 20.5                        | 78.8            | pre-startup                    |
|                   | 14:15      | 3/30/2006  | 1.0                                | 0.5                                | 20.6                        | 77.9            |                                |
|                   | 13:35      | 4/6/2006   | 1.0                                | 0.6                                | 20.3                        | 78.1            |                                |
|                   | 13:43      | 4/11/2006  | 0.5                                | 0.3                                | 19.7                        | 79.5            |                                |
|                   | 11:50      | 4/14/2006  | 0.0                                | 0.3                                | 18.6                        | 81.1            |                                |
|                   | 10:34      | 4/17/2006  | 0.8                                | 0.7                                | 20.1                        | 78.4            |                                |
|                   | 14:00      | 4/28/2006  | 0.0                                | 0.0                                | 20.7                        | 79.3            |                                |
|                   | 13:35      | 5/4/2006   | 0.0                                | 0.2                                | 20.5                        | 79.3            |                                |
|                   | 10:42      | 5/22/2006  | 0.2                                | 0.1                                | 2.4                         | 97.3            |                                |
|                   | 8:48       | 6/9/2006   | 0.0                                | 0.0                                | 19.8                        | 80.2            |                                |
|                   | 12:20      | 6/14/2006  | 0.1                                | 0.0                                | 19.5                        | 80.4            |                                |
|                   | 11:20      | 6/22/2006  | 0.7                                | 0.1                                | 19.9                        | 79.3            |                                |
|                   | 11:53      | 7/5/2006   | 0.6                                | 0.0                                | 20.0                        | 79.4            |                                |
|                   | 11:19      | 7/10/2006  | 0.6                                | 4.7                                | 15.1                        | 79.6            |                                |
|                   | 10:20      | 7/17/2006  | 0.9                                | 0.8                                | 19.0                        | 79.3            |                                |
|                   | 12:40      | 7/28/2006  | 0.6                                | 0.6                                | 18.6                        | 80.2            |                                |
|                   | 10:13      | 8/8/2006   | 0.6                                | 1.2                                | 18.5                        | 79.7            |                                |
|                   | 8:42       | 8/16/2006  | 0.1                                | 0.0                                | 17.7                        | 82.2            |                                |
|                   | 8:00       | 8/21/2006  | 0.1                                | 0.0                                | 18.5                        | 81.4            |                                |
|                   | 13:55      | 8/28/2006  | 0.6                                | 1.8                                | 18.8                        | 78.8            |                                |
|                   | 11:05      | 9/13/2006  | 0.1                                | 0.0                                | 19.5                        | 80.4            |                                |
|                   | 10:25      | 9/25/2006  | 0.1                                | 0.0                                | 19.2                        | 80.7            |                                |
|                   | 8:44       | 10/10/2006 | 0.7                                | 1.0                                | 19.6                        | 78.7            |                                |
|                   | 8:05       | 10/23/2006 | 0.8                                | 0.4                                | 19.6                        | 79.2            |                                |
|                   | 14:42      | 11/2/2006  | 0.3                                | 0.0                                | 20.8                        | 78.9            |                                |
|                   | 13:30      | 11/14/2006 | 0.2                                | 0.2                                | 20.0                        | 79.6            |                                |
|                   | 11:12      | 11/27/2006 | 0.2                                | 0.0                                | 20.2                        | 79.7            |                                |
|                   | 12:39      | 12/26/2006 | 0.1                                | 0.0                                | 20.0                        | 79.9            |                                |
|                   | 13:10      | 1/27/2007  | 0.4                                | 0.2                                | 20.2                        | 79.2            |                                |
|                   | 11:00      | 2/24/2007  | 0.4                                | 0.2                                | 20.6                        | 78.9            |                                |
|                   | 17:35      | 3/28/2007  | 0.2                                | 0.2                                | 20.0                        | 79.6            |                                |
|                   | 10:24      | 5/1/2007   | 0.0                                | 1.4                                | 17.0                        | 81.6            |                                |
|                   | 11:57      | 5/30/2007  | 0.0                                | 1.4                                | 16.7                        | 81.9            |                                |
|                   | 16:00      | 6/19/2007  | 0.0                                | 0.0                                | 20.6                        | 79.4            |                                |
|                   | 11:42      | 8/13/2007  | 0.0                                | 2.8                                | 16.6                        | 80.6            |                                |
|                   | 10:24      | 10/18/2007 | 0.1                                | 4.2                                | 15.0                        | 80.7            |                                |
|                   | 14:05      | 1/23/2008  | 0.4                                | 1.2                                | 20.9                        | 77.5            |                                |
|                   | 9:05       | 6/12/2008  | 0.0                                | 0.6                                | 18.9                        | 80.5            |                                |
|                   | 12:10      | 7/21/2008  | 0.0                                | 1.6                                | 16.4                        | 82.0            |                                |
|                   | 11:52      | 10/3/2008  | 0.0                                | 3.6                                | 16.8                        | 79.6            |                                |
|                   | 11:03      | 10/13/2008 | 0.0                                | 18.7                               | 1.8                         | 79.5            |                                |
|                   | 11:00      | 1/27/2009  | 0.3                                | 1.0                                | 20.8                        | 78.0            |                                |
| 9:29              | 4/9/2009   | 0.0        | 0.4                                | 19.1                               | 80.5                        |                 |                                |
| 11:35             | 7/22/2009  | 0.0        | 1.8                                | 16.1                               | 82.1                        |                 |                                |
| 10:25             | 10/28/2009 | 0.0        | 2.6                                | 17.4                               | 80.0                        |                 |                                |
| 10:40             | 1/26/2010  | 0.3        | 2.2                                | 18.4                               | 79.1                        |                 |                                |
| 8:44              | 5/25/2010  | 0.0        | 1.4                                | 16.8                               | 81.8                        |                 |                                |
| 11:05             | 9/28/2010  | 0.0        | 4.6                                | 14.1                               | 81.3                        |                 |                                |
| 8:08              | 1/25/2011  | 0.2        | 1.2                                | 19.2                               | 79.4                        |                 |                                |
| 10:10             | 4/25/2011  | 0.1        | 0.2                                | 20.7                               | 79.0                        |                 |                                |
| 6:30              | 7/13/2011  | 0.0        | 1.8                                | 14.2                               | 84.0                        |                 |                                |
| 12:08             | 10/26/2011 | 0.0        | 2.4                                | 18.4                               | 79.2                        |                 |                                |
| 10:30             | 1/25/2012  | 0.1        | 0.4                                | 17.9                               | 81.6                        |                 |                                |
| 10:37             | 4/2/2012   | 0.1        | 1.4                                | 18.5                               | 80.0                        |                 |                                |
| 10:28             | 7/25/2012  | 0.0        | 3.0                                | 15.0                               | 82.0                        |                 |                                |
| 9:05              | 10/15/2012 | 0.0        | 2.8                                | 16.7                               | 80.5                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time  | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|-------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| MW-102            | 11:21 | 1/15/2013  | 0.0                                | 1.6                                | 19.6                        | 78.8            |                                |
|                   | 10:05 | 4/29/2013  | 0.0                                | 0.6                                | 19.2                        | 80.2            |                                |
|                   | 8:11  | 7/22/2013  | 0.0                                | 2.2                                | 14.3                        | 83.5            |                                |
|                   | 7:59  | 10/14/2013 | 0.0                                | 4.0                                | 17.4                        | 78.6            |                                |
|                   | 7:53  | 4/22/2014  | 0.0                                | 0.4                                | 20.5                        | 79.1            |                                |
|                   | 9:08  | 4/22/2015  | 0.0                                | 1.0                                | 20.9                        | 78.1            |                                |
|                   | 8:22  | 4/18/2016  | 0.0                                | 0.4                                | 19.9                        | 79.7            |                                |
|                   | 8:18  | 4/12/2017  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 7:45  | 6/20/2018  | 0.0                                | 0.8                                | 19.1                        | 80.1            |                                |

CH<sub>4</sub> = Methane  
 CO<sub>2</sub> = Carbon Dioxide  
 O<sub>2</sub> = Oxygen  
 N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| MW-103            | 7:49       | 3/23/2006  | 0.0                                | 0.2                                | 21.8                        | 78.0            | pre-startup                    |
|                   | 15:30      | 3/30/2006  | 0.0                                | 1.9                                | 18.2                        | 79.9            |                                |
|                   | 14:35      | 4/6/2006   | 0.4                                | 8.0                                | 9.4                         | 82.2            |                                |
|                   | 14:40      | 4/11/2006  | 0.0                                | 6.4                                | 10.8                        | 82.8            |                                |
|                   | 12:15      | 4/14/2006  | 0.0                                | 3.2                                | 15.6                        | 81.2            |                                |
|                   | 11:30      | 4/17/2006  | 0.0                                | 0.0                                | 20.7                        | 79.3            |                                |
|                   | 10:45      | 4/28/2006  | 0.0                                | 0.0                                | 20.5                        | 79.5            |                                |
|                   | 15:05      | 5/4/2006   | 0.4                                | 0.0                                | 13.5                        | 86.1            |                                |
|                   | 11:42      | 5/22/2006  | 0.2                                | 0.0                                | 20.6                        | 79.2            |                                |
|                   | 13:14      | 6/2/2006   | 0.2                                | 0.0                                | 20.1                        | 79.7            |                                |
|                   | 9:10       | 6/9/2006   | 1.1                                | 0.1                                | 20.5                        | 78.3            |                                |
|                   | 13:30      | 6/14/2006  | 0.6                                | 0.3                                | 20.4                        | 78.7            |                                |
|                   | 11:28      | 6/22/2006  | 0.7                                | 0.0                                | 20.2                        | 79.1            |                                |
|                   | 11:27      | 7/5/2006   | 0.6                                | 0.0                                | 20.4                        | 79.0            |                                |
|                   | 10:40      | 7/10/2006  | 0.0                                | 0.0                                | 19.9                        | 80.1            |                                |
|                   | 10:06      | 7/17/2006  | 0.8                                | 0.4                                | 19.4                        | 79.4            |                                |
|                   | 12:30      | 7/28/2006  | 0.6                                | 0.0                                | 19.9                        | 79.5            |                                |
|                   | 9:17       | 8/8/2006   | 0.6                                | 0.0                                | 19.9                        | 79.5            |                                |
|                   | 7:34       | 8/16/2006  | 0.1                                | 0.0                                | 19.9                        | 80.0            |                                |
|                   | 7:25       | 8/21/2006  | 0.5                                | 0.0                                | 20.1                        | 79.4            |                                |
|                   | 13:29      | 8/28/2006  | 0.1                                | 0.0                                | 20.3                        | 79.6            |                                |
|                   | 10:34      | 9/13/2006  | 0.0                                | 0.0                                | 20.4                        | 79.6            |                                |
|                   | 9:57       | 9/25/2006  | 0.0                                | 0.1                                | 19.3                        | 80.6            |                                |
|                   | 7:22       | 10/10/2006 | 0.5                                | 0.2                                | 20.4                        | 78.9            |                                |
|                   | 7:38       | 10/23/2006 | 0.6                                | 0.0                                | 20.8                        | 78.6            |                                |
|                   | 13:14      | 11/2/2006  | 0.0                                | 0.3                                | 21.0                        | 78.7            |                                |
|                   | 13:08      | 11/14/2006 | 0.2                                | 9.2                                | 11.2                        | 79.5            |                                |
|                   | 10:40      | 11/27/2006 | 0.1                                | 0.0                                | 20.1                        | 79.9            |                                |
|                   | 14:00      | 12/26/2006 | 0.3                                | 0.2                                | 20.1                        | 79.5            |                                |
|                   | 12:05      | 1/27/2007  | 0.1                                | 0.0                                | 19.8                        | 80.2            |                                |
|                   | 12:34      | 2/24/2007  | 0.4                                | 4.2                                | 16.3                        | 79.2            |                                |
|                   | 15:35      | 3/28/2007  | 0.1                                | 0.0                                | 20.0                        | 79.9            |                                |
|                   | 10:52      | 5/1/2007   | 0.1                                | 0.8                                | 18.7                        | 80.4            |                                |
|                   | 12:40      | 5/30/2007  | 0.0                                | 0.4                                | 18.9                        | 80.7            |                                |
|                   | 13:35      | 6/19/2007  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 11:05      | 8/13/2007  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 10:05      | 10/18/2007 | 0.1                                | 1.2                                | 18.5                        | 80.2            |                                |
|                   | 13:45      | 1/23/2008  | 0.4                                | 0.2                                | 20.9                        | 78.5            |                                |
|                   | 7:15       | 6/12/2008  | 0.0                                | 0.4                                | 20.9                        | 78.7            |                                |
|                   | 10:40      | 7/21/2008  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
| 11:20             | 10/3/2008  | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 10:05             | 10/13/2008 | 0.0        | 0.4                                | 20.7                               | 78.9                        |                 |                                |
| 7:00              | 1/27/2009  | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 11:17             | 4/9/2009   | 0.0        | 0.0                                | 20.0                               | 80.0                        |                 |                                |
| 10:32             | 7/22/2009  | 0.0        | 0.4                                | 19.6                               | 80.0                        |                 |                                |
| 9:27              | 10/28/2009 | 0.0        | 0.0                                | 19.8                               | 80.2                        |                 |                                |
| 8:14              | 1/26/2010  | 0.3        | 2.2                                | 18.0                               | 79.5                        |                 |                                |
| 8:08              | 5/25/2010  | 0.0        | 0.0                                | 19.3                               | 80.7                        |                 |                                |
| 8:57              | 9/28/2010  | 0.0        | 0.0                                | 18.9                               | 81.1                        |                 |                                |
| 7:15              | 1/25/2011  | 0.0        | 0.2                                | 19.4                               | 80.4                        |                 |                                |
| 7:25              | 4/25/2011  | 0.2        | 3.0                                | 17.5                               | 79.3                        |                 |                                |
| 7:15              | 7/13/2011  | 0.0        | 0.0                                | 20.5                               | 79.5                        |                 |                                |
| 7:35              | 10/26/2011 | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 7:14              | 1/25/2012  | 0.2        | 2.6                                | 16.9                               | 80.3                        |                 |                                |
| 9:10              | 4/2/2012   | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 7:48              | 7/25/2012  | 0.0        | 3.4                                | 15.5                               | 81.1                        |                 |                                |
| 10:50             | 10/15/2012 | 0.0        | 0.2                                | 18.9                               | 80.9                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time  | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|-------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| MW-103            | 11:05 | 1/15/2013  | 0.0                                | 3.8                                | 16.5                        | 79.7            |                                |
|                   | 8:03  | 4/29/2013  | 0.0                                | 0.6                                | 20.9                        | 78.5            |                                |
|                   | 9:15  | 7/22/2013  | 0.0                                | 0.6                                | 20.7                        | 78.7            |                                |
|                   | 9:20  | 10/14/2013 | 0.0                                | 0.2                                | 20.9                        | 78.9            |                                |
|                   | 12:14 | 4/22/2014  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 7:40  | 4/22/2015  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 9:30  | 4/18/2016  | 0.0                                | 0.6                                | 20.8                        | 78.6            |                                |
|                   | 9:24  | 4/12/2017  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 8:09  | 6/20/2018  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |

CH<sub>4</sub> = Methane  
 CO<sub>2</sub> = Carbon Dioxide  
 O<sub>2</sub> = Oxygen  
 N = Nitrogen



Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| MW-104            | 9:29       | 3/23/2006  | 12.8                               | 18.5                               | 0.8                         | 67.9            | pre-startup                    |
|                   | 15:45      | 3/30/2006  | 0.0                                | 0.0                                | 20.7                        | 79.3            |                                |
|                   | 13:10      | 4/6/2006   | 6.8                                | 8.9                                | 10.5                        | 73.8            |                                |
|                   | 14:50      | 4/11/2006  | 4.1                                | 7.1                                | 9.2                         | 79.6            |                                |
|                   | 11:40      | 4/17/2006  | 2.0                                | 0.3                                | 21.0                        | 76.7            |                                |
|                   | 14:10      | 4/28/2006  | 0.0                                | 0.0                                | 20.7                        | 79.3            |                                |
|                   | 15:40      | 5/4/2006   | 0.0                                | 0.0                                | 8.1                         | 91.9            |                                |
|                   | 10:27      | 5/22/2006  | 0.0                                | 0.1                                | 19.9                        | 80.0            |                                |
|                   | 8:32       | 6/9/2006   | 0.0                                | 0.0                                | 19.6                        | 80.4            |                                |
|                   | 12:45      | 6/14/2006  | 3.2                                | 0.8                                | 18.8                        | 77.2            |                                |
|                   | 10:54      | 6/22/2006  | 0.8                                | 0.1                                | 19.7                        | 79.4            |                                |
|                   | 12:19      | 7/5/2006   | 0.6                                | 0.0                                | 20.0                        | 79.4            |                                |
|                   | 11:40      | 7/10/2006  | 0.7                                | 0.6                                | 19.8                        | 78.9            |                                |
|                   | 11:05      | 7/17/2006  | 0.1                                | 0.0                                | 19.6                        | 80.3            |                                |
|                   | 12:38      | 7/28/2006  | 0.6                                | 0.0                                | 19.8                        | 79.6            |                                |
|                   | 9:49       | 8/8/2006   | 0.6                                | 0.0                                | 20.0                        | 79.4            |                                |
|                   | 9:14       | 8/16/2006  | 0.7                                | 0.2                                | 19.4                        | 79.7            |                                |
|                   | 8:30       | 8/21/2006  | 0.1                                | 0.3                                | 18.1                        | 81.5            |                                |
|                   | 14:16      | 8/28/2006  | 0.0                                | 0.0                                | 17.6                        | 82.4            |                                |
|                   | 11:29      | 9/13/2006  | 0.7                                | 0.2                                | 16.8                        | 82.3            |                                |
|                   | 11:27      | 9/25/2006  | 0.0                                | 0.2                                | 19.5                        | 80.3            |                                |
|                   | 8:27       | 10/10/2006 | 0.7                                | 13.1                               | 4.3                         | 81.9            |                                |
|                   | 8:30       | 10/23/2006 | 0.7                                | 0.3                                | 16.7                        | 82.3            |                                |
|                   | 14:14      | 11/2/2006  | 0.3                                | 0.0                                | 20.6                        | 79.1            |                                |
|                   | 15:06      | 11/14/2006 | 0.2                                | 0.6                                | 19.4                        | 79.8            |                                |
|                   | 12:04      | 11/27/2006 | 0.2                                | 3.0                                | 17.6                        | 79.2            |                                |
|                   | 13:15      | 12/26/2006 | 0.2                                | 0.0                                | 20.0                        | 79.9            |                                |
|                   | 14:16      | 1/27/2007  | 0.1                                | 0.0                                | 19.4                        | 80.5            |                                |
|                   | 11:35      | 2/24/2007  | 0.5                                | 12.8                               | 5.6                         | 81.1            |                                |
|                   | 16:55      | 3/28/2007  | 0.2                                | 0.2                                | 20.0                        | 79.6            |                                |
|                   | 11:45      | 5/1/2007   | 0.0                                | 0.0                                | 18.9                        | 81.1            |                                |
|                   | 11:48      | 5/30/2007  | 0.0                                | 0.0                                | 19.0                        | 81.0            |                                |
|                   | 15:30      | 6/19/2007  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 12:05      | 8/13/2007  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 9:50       | 10/18/2007 | 0.1                                | 0.0                                | 19.6                        | 80.3            |                                |
|                   | 13:20      | 1/23/2008  | 0.3                                | 0.6                                | 20.6                        | 78.5            |                                |
|                   | 9:25       | 6/12/2008  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 12:30      | 7/21/2008  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 11:37      | 10/3/2008  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 10:45      | 10/13/2008 | 0.0                                | 0.2                                | 20.9                        | 78.9            |                                |
| 10:50             | 1/27/2009  | 0.2        | 14.6                               | 3.9                                | 81.3                        |                 |                                |
| 11:40             | 4/9/2009   | 0.0        | 1.2                                | 19.2                               | 79.6                        |                 |                                |
| 7:50              | 7/22/2009  | 0.0        | 0.0                                | 19.6                               | 80.4                        |                 |                                |
| 9:48              | 10/28/2009 | 0.0        | 0.0                                | 20.0                               | 80.0                        |                 |                                |
| 8:25              | 1/26/2010  | 0.4        | 0.2                                | 20.4                               | 79.1                        |                 |                                |
| 11:30             | 5/25/2010  | 0.0        | 0.0                                | 19.3                               | 80.7                        |                 |                                |
| 9:25              | 9/28/2010  | 0.0        | 0.2                                | 18.6                               | 81.2                        |                 |                                |
| 7:45              | 1/25/2011  | 0.2        | 0.6                                | 19.6                               | 79.6                        |                 |                                |
| 8:21              | 4/25/2011  | 0.2        | 0.4                                | 20.5                               | 78.9                        |                 |                                |
| 7:47              | 7/13/2011  | 0.0        | 0.0                                | 20.5                               | 79.5                        |                 |                                |
| 11:05             | 10/26/2011 | 0.0        | 0.2                                | 20.4                               | 79.4                        |                 |                                |
| 7:10              | 1/25/2012  | 0.1        | 1.0                                | 18.5                               | 80.4                        |                 |                                |
| 9:05              | 4/2/2012   | 0.0        | 0.0                                | 20.9                               | 79.1                        |                 |                                |
| 8:07              | 7/25/2012  | 0.0        | 11.0                               | 3.9                                | 85.1                        |                 |                                |
| 8:35              | 10/15/2012 | 0.0        | 0.0                                | 18.1                               | 81.9                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time  | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|-------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| MW-104            | 9:55  | 1/15/2013  | 0.0                                | 0.6                                | 20.9                        | 78.5            |                                |
|                   | 10:00 | 4/29/2013  | 0.0                                | 9.4                                | 6.8                         | 83.8            |                                |
|                   | 7:55  | 7/22/2013  | 0.0                                | 5.0                                | 14.2                        | 80.8            |                                |
|                   | 7:40  | 10/14/2013 | 0.0                                | 2.4                                | 17.4                        | 80.2            |                                |
|                   | 10:47 | 4/22/2014  | 0.0                                | 0.2                                | 20.7                        | 79.1            |                                |
|                   | 10:26 | 4/22/2015  | 0.0                                | 1.0                                | 20.9                        | 78.1            |                                |
|                   | 8:09  | 4/18/2016  | 0.0                                | 0.2                                | 20.9                        | 78.9            |                                |
|                   | 8:06  | 4/12/2017  | 0.0                                | 0.0                                | 20.9                        | 79.1            |                                |
|                   | 9:21  | 6/20/2018  | 0.0                                | 0.2                                | 20.9                        | 78.9            |                                |

CH<sub>4</sub> = Methane  
 CO<sub>2</sub> = Carbon Dioxide  
 O<sub>2</sub> = Oxygen  
 N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| System Exhaust    | 2:00       | 3/28/2006  | 4.4                                | 4.0                                | 17.8                        | 73.8            |                                |
|                   | 12:52      | 5/4/2006   | 8.6                                | 14.7                               | 7.4                         | 69.3            |                                |
|                   | 11:15      | 6/28/2006  | 5.9                                | 14.5                               | 9.5                         | 70.1            |                                |
|                   | 11:45      | 7/5/2006   | 6.1                                | 18.7                               | 7.2                         | 68.0            |                                |
|                   | 11:12      | 7/10/2006  | 6.7                                | 21.7                               | 5.1                         | 66.5            |                                |
|                   | 10:31      | 7/17/2006  | 6.2                                | 18.6                               | 6.5                         | 68.7            |                                |
|                   | 14:24      | 7/28/2006  | 2.1                                | 19.2                               | 6.1                         | 72.6            |                                |
|                   | 10:23      | 8/8/2006   | 5.9                                | 18.0                               | 6.8                         | 69.3            |                                |
|                   | 8:30       | 8/16/2006  | 6.8                                | 17.3                               | 7.3                         | 68.6            |                                |
|                   | 8:07       | 8/21/2006  | 6.9                                | 18.0                               | 7.6                         | 67.5            |                                |
|                   | 14:00      | 8/28/2006  | 7.1                                | 18.6                               | 7.3                         | 67.0            |                                |
|                   | 11:13      | 9/13/2006  | 15.2                               | 20.0                               | 8.1                         | 56.7            |                                |
|                   | 11:37      | 9/25/2006  | 14.2                               | 24.3                               | 4.8                         | 56.7            |                                |
|                   | 8:09       | 10/10/2006 | 7.4                                | 19.2                               | 8.2                         | 65.2            |                                |
|                   | 8:13       | 10/23/2006 | 12.8                               | 16.3                               | 9.1                         | 61.8            |                                |
|                   | 9:00       | 11/2/2006  | 5.0                                | 14.0                               | 8.2                         | 72.8            |                                |
|                   | 13:43      | 11/14/2006 | 4.4                                | 10.4                               | 10.6                        | 74.6            |                                |
|                   | 11:19      | 11/27/2006 | 3.8                                | 10.2                               | 10.8                        | 75.2            |                                |
|                   | 12:31      | 12/26/2006 | 6.5                                | 14.8                               | 6.9                         | 71.8            |                                |
|                   | 13:30      | 1/27/2007  | 8.0                                | 15.8                               | 6.4                         | 69.8            |                                |
|                   | 10:45      | 2/24/2007  | 6.0                                | 11.6                               | 10.0                        | 72.4            |                                |
|                   | 7:35       | 3/5/2007   | 0.1                                | 0.2                                | 19.8                        | 79.9            |                                |
|                   | 8:20       | 3/24/2007  | 9.0                                | 12.6                               | 9.7                         | 68.7            |                                |
|                   | 17:10      | 3/24/2007  | 8.5                                | 12.6                               | 9.4                         | 69.5            |                                |
|                   | 17:25      | 3/26/2007  | 6.5                                | 11.4                               | 9.8                         | 72.3            |                                |
|                   | 7:39       | 3/27/2007  | 6.5                                | 11.2                               | 10.2                        | 72.1            |                                |
|                   | 17:25      | 3/28/2007  | 6.5                                | 10.0                               | 11.6                        | 71.9            |                                |
|                   | 8:16       | 3/29/2007  | 5.5                                | 8.8                                | 12.3                        | 73.4            |                                |
|                   | 17:15      | 3/29/2007  | 5.0                                | 8.6                                | 12.3                        | 74.1            |                                |
|                   | 16:09      | 6/19/2007  | 12.5                               | 18.2                               | 4.6                         | 64.7            |                                |
|                   | 11:55      | 8/13/2007  | 13.5                               | 20.2                               | 4.1                         | 62.2            |                                |
|                   | 9:12       | 10/19/2007 | 7.5                                | 16.2                               | 5.0                         | 71.3            |                                |
|                   | 12:50      | 1/23/2008  | 8.5                                | 15.6                               | 7.1                         | 68.8            |                                |
|                   | 8:55       | 6/12/2008  | 8.0                                | 15.2                               | 7.3                         | 69.5            |                                |
|                   | 12:03      | 7/21/2008  | 9.5                                | 17.0                               | 5.6                         | 67.9            |                                |
|                   | 11:15      | 10/13/2008 | 6.5                                | 9.8                                | 12.0                        | 71.7            |                                |
|                   | 7:20       | 1/27/2009  | 3.8                                | 6.4                                | 15.7                        | 74.2            |                                |
|                   | 9:37       | 4/9/2009   | 6.5                                | 7.6                                | 13.3                        | 72.6            |                                |
|                   | 7:40       | 7/22/2009  | 5.0                                | 7.8                                | 12.8                        | 74.4            |                                |
|                   | 10:35      | 10/28/2009 | 6.5                                | 7.4                                | 13.9                        | 72.2            |                                |
| 7:20              | 1/27/2009  | 3.8        | 6.4                                | 15.7                               | 74.2                        |                 |                                |
| 13:15             | 5/25/2010  | 5.0        | 5.2                                | 15.2                               | 74.6                        |                 |                                |
| 10:45             | 9/28/2010  | 6.5        | 5.4                                | 15.3                               | 72.8                        |                 |                                |
| 8:11              | 1/25/2011  | 4.4        | 4.2                                | 17.1                               | 74.3                        |                 |                                |
| 10:40             | 4/25/2011  | 24.0       | 5.5                                | 16.3                               | 54.2                        |                 |                                |
| 8:24              | 7/13/2011  | 5.5        | 3.8                                | 17.4                               | 73.3                        |                 |                                |
| 16:15             | 9/15/2011  | 13.0       | 13.8                               | 9.9                                | 63.3                        |                 |                                |
| 8:22              | 9/21/2011  | 34.0       | 26.8                               | 2.9                                | 36.3                        |                 |                                |
| 9:28              | 9/21/2011  | 18.5       | 18.4                               | 6.5                                | 56.6                        |                 |                                |
| 9:20              | 9/22/2011  | 22.5       | 22.6                               | 3.7                                | 51.2                        |                 |                                |
| 10:05             | 9/22/2011  | 17.0       | 18.0                               | 7.0                                | 58.0                        |                 |                                |
| 10:51             | 9/22/2011  | 18.0       | 18.8                               | 6.0                                | 57.2                        |                 |                                |
| 10:32             | 10/3/2011  | 6.0        | 8.4                                | 13.9                               | 71.7                        |                 |                                |
| 13:43             | 10/24/2011 | 7.5        | 10.0                               | 12.0                               | 70.5                        |                 |                                |
| 10:50             | 10/26/2011 | 7.5        | 16.4                               | 5.8                                | 70.3                        |                 |                                |
| 10:33             | 11/7/2011  | 5.5        | 7.4                                | 14.6                               | 72.5                        |                 |                                |
| 9:11              | 11/14/2011 | 5.0        | 6.4                                | 14.8                               | 73.8                        |                 |                                |
| 10:20             | 12/12/2011 | 7.5        | 4.8                                | 16.6                               | 71.1                        |                 |                                |
| 10:10             | 12/27/2011 | 6.5        | 5.0                                | 15.8                               | 72.7                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time  | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages     |
|-------------------|-------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|------------------------------------|
|                   | 9:10  | 1/10/2012  | 6.0                                | 6.0                                | 14.4                        | 73.6            |                                    |
|                   | 10:17 | 1/25/2012  | 3.1                                | 2.4                                | 17.6                        | 76.9            |                                    |
|                   | 9:08  | 2/20/2012  | 3.1                                | 3.0                                | 19.3                        | 74.6            |                                    |
|                   | 9:35  | 3/8/2012   | 8.0                                | 7.2                                | 14.8                        | 70.0            |                                    |
|                   | 10:15 | 4/2/2012   | 4.3                                | 4.4                                | 17.4                        | 73.9            |                                    |
|                   | 8:55  | 4/16/2012  | 5.0                                | 4.8                                | 16.4                        | 73.8            |                                    |
|                   | 9:45  | 4/30/2012  | 7.5                                | 7.4                                | 13.6                        | 71.5            |                                    |
|                   | 9:08  | 5/14/2012  | 7.5                                | 7.6                                | 14.2                        | 70.7            |                                    |
|                   | 9:00  | 5/29/2012  | 5.5                                | 5.2                                | 15.7                        | 73.6            |                                    |
|                   | 7:38  | 6/11/2012  | 7.0                                | 6.0                                | 15.5                        | 71.5            |                                    |
|                   | 9:35  | 6/25/2012  | 4.8                                | 4.6                                | 16.3                        | 74.4            |                                    |
|                   | 8:55  | 7/9/2012   | 5.0                                | 5.0                                | 15.6                        | 74.4            |                                    |
|                   | 8:20  | 7/23/2012  | 6.0                                | 8.0                                | 13.0                        | 73.0            |                                    |
|                   | 10:17 | 7/25/2012  | 7.0                                | 8.9                                | 12.1                        | 72.0            |                                    |
|                   | 8:49  | 8/6/2012   | 3.9                                | 5.6                                | 15.0                        | 75.6            |                                    |
|                   | 9:10  | 8/21/2012  | 4.7                                | 6.6                                | 14.2                        | 74.6            |                                    |
|                   | 9:07  | 9/4/2012   | 4.5                                | 6.8                                | 13.5                        | 75.2            |                                    |
|                   | 8:50  | 10/1/2012  | 4.4                                | 7.6                                | 13.0                        | 75.1            |                                    |
|                   | 8:25  | 10/15/2012 | 4.8                                | 8.4                                | 12.2                        | 74.7            |                                    |
|                   | 7:25  | 12/6/2012  | 8.5                                | 9.8                                | 11.6                        | 70.1            |                                    |
|                   | 9:50  | 12/17/2012 | 7.5                                | 7.8                                | 12.4                        | 72.3            |                                    |
|                   | 8:40  | 12/31/2012 | 10.5                               | 9.0                                | 12.5                        | 68.0            |                                    |
|                   | 8:30  | 1/9/2013   | 12.0                               | 10.6                               | 11.6                        | 65.8            |                                    |
|                   | 9:40  | 1/16/2013  | 13.5                               | 9.8                                | 11.3                        | 65.4            |                                    |
|                   | 8:55  | 1/28/2013  | 6.5                                | 5.4                                | 17.1                        | 71.0            |                                    |
|                   | 10:25 | 2/11/2013  |                                    |                                    |                             |                 | have to fix drop tube for readings |
|                   | 9:10  | 2/25/2013  | 1.0                                | 0.8                                | 20.9                        | 77.3            |                                    |
|                   | 7:20  | 3/8/2013   |                                    |                                    |                             |                 | No readings                        |
|                   | 8:40  | 3/22/2013  |                                    |                                    |                             |                 | No readings                        |
|                   | 13:40 | 4/8/2013   | 6.0                                | 5.8                                | 15.7                        | 72.5            |                                    |
|                   | 15:10 | 4/22/2013  | 6.5                                | 7.2                                | 14.9                        | 71.4            |                                    |
|                   | 9:35  | 4/29/2013  | 3.5                                | 4.6                                | 16.3                        | 75.7            |                                    |
|                   | 8:22  | 5/13/2013  | 3.0                                | 4.4                                | 16.6                        | 76.0            |                                    |
|                   | 13:08 | 5/28/2013  | 3.9                                | 5.6                                | 15.2                        | 75.3            |                                    |
|                   | 8:39  | 6/7/2013   | 4.5                                | 6.6                                | 14.3                        | 74.6            |                                    |
|                   | 8:09  | 6/21/2013  | 5.5                                | 8.4                                | 12.7                        | 73.4            |                                    |
|                   | 8:40  | 7/5/2013   | 4.8                                | 7.8                                | 12.9                        | 74.6            |                                    |
|                   | 7:44  | 7/22/2013  | 5.5                                | 8.6                                | 12.4                        | 73.5            |                                    |
|                   | 8:50  | 8/5/2013   | 6.5                                | 9.0                                | 12.3                        | 72.2            |                                    |
|                   | 8:08  | 8/19/2013  | 6.0                                | 8.6                                | 12.4                        | 73.0            |                                    |
|                   | 8:24  | 9/5/2013   | 5.0                                | 7.8                                | 13.6                        | 73.6            |                                    |
|                   | 8:38  | 9/16/2013  | 6.5                                | 8.6                                | 13.4                        | 71.5            |                                    |
|                   | 7:24  | 9/30/2013  | 12.0                               | 10.8                               | 11.9                        | 65.3            |                                    |
|                   | 7:24  | 10/14/2013 | 11.0                               | 10.2                               | 12.6                        | 66.2            |                                    |
|                   | 8:00  | 10/28/2013 | 11.5                               | 9.8                                | 14.0                        | 64.7            |                                    |
|                   | 7:55  | 11/19/2013 | 8.5                                | 7.4                                | 15.5                        | 68.6            |                                    |
|                   | 7:23  | 12/2/2013  | 11.5                               | 7.8                                | 15.1                        | 65.6            |                                    |
|                   | 7:05  | 12/16/2013 | 9.5                                | 7.2                                | 15.3                        | 68.0            |                                    |
|                   | 7:30  | 12/27/2013 |                                    |                                    |                             |                 | Blower off                         |
|                   | 7:02  | 1/13/2014  | 12.5                               | 7.8                                | 14.4                        | 65.3            |                                    |
|                   | 7:05  | 1/30/2014  | 14.5                               | 9.4                                | 14.0                        | 62.1            |                                    |
|                   | 7:21  | 2/12/2014  | 13.0                               | 7.4                                | 14.8                        | 64.8            |                                    |
|                   | 7:40  | 2/24/2014  | 8.5                                | 6.2                                | 14.6                        | 70.7            |                                    |
|                   | 8:07  | 3/10/2014  | 13.0                               | 8.4                                | 14.1                        | 64.5            |                                    |
|                   | 9:15  | 3/24/2014  | 16.0                               | 14.4                               | 8.1                         | 61.5            |                                    |
|                   | 7:45  | 4/7/2014   | 11.0                               | 8.6                                | 12.8                        | 67.6            |                                    |
|                   | 7:42  | 4/22/2014  | 8.5                                | 9.0                                | 12.5                        | 70.0            |                                    |
|                   | 7:28  | 5/7/2014   | 7.5                                | 6.2                                | 14.8                        | 71.5            |                                    |
|                   | 7:38  | 5/19/2014  | 4.7                                | 5.0                                | 16.4                        | 74.0            |                                    |
|                   | 7:05  | 5/30/2014  | 2.9                                | 3.0                                | 18.2                        | 76.0            |                                    |
|                   | 8:00  | 6/16/2014  | 4.0                                | 4.8                                | 15.8                        | 75.5            |                                    |
|                   | 7:40  | 6/30/2014  | 4.7                                | 6.6                                | 18.4                        | 70.3            |                                    |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40 | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|-----------------|--------------------------------|
| System Exhaust    | 7:48       | 7/14/2014  | 3.1                                | 6.0                                | 15.8                        | 75.1            |                                |
|                   | 8:48       | 7/28/2014  | 3.0                                | 6.0                                | 15.8                        | 75.2            |                                |
|                   | 8:05       | 8/11/2014  | 3.0                                | 7.0                                | 13.8                        | 76.2            |                                |
|                   | 13:15      | 8/25/2014  | 3.1                                | 7.8                                | 13.2                        | 76.0            |                                |
|                   | 7:37       | 9/8/2014   | 3.5                                | 8.2                                | 12.7                        | 75.7            |                                |
|                   | 7:23       | 9/22/2014  | 3.1                                | 7.0                                | 14.5                        | 75.4            |                                |
|                   | 7:35       | 10/7/2014  | 4.5                                | 9.0                                | 11.2                        | 75.4            |                                |
|                   | 7:36       | 10/20/2014 | 5.5                                | 10.2                               | 10.8                        | 73.5            |                                |
|                   | 7:21       | 11/3/2014  | 6.5                                | 8.6                                | 14.8                        | 70.1            |                                |
|                   | 7:18       | 11/17/2014 | 10.0                               | 11.4                               | 10.3                        | 68.3            |                                |
|                   | 7:25       | 12/2/2014  | 9.0                                | 9.8                                | 11.6                        | 69.6            |                                |
|                   | 7:50       | 12/15/2014 | NA                                 | NA                                 | NA                          | NA              | Blower off                     |
|                   | 8:05       | 12/18/2014 | 12.0                               | 11.2                               | 11.3                        | 65.5            |                                |
|                   | 7:15       | 1/2/2015   | 11.5                               | 11.2                               | 11.6                        | 65.7            |                                |
|                   | 7:12       | 1/16/2015  | 8.0                                | 7.2                                | 14.3                        | 70.5            |                                |
|                   | 7:20       | 1/26/2015  | 11.0                               | 14.0                               | 7.8                         | 67.2            |                                |
|                   | 7:21       | 2/9/2015   | 6.5                                | 7.2                                | 14.3                        | 72.0            |                                |
|                   | 7:45       | 2/24/2015  | 13.0                               | 8.4                                | 13.4                        | 65.2            |                                |
|                   | 8:14       | 3/9/2015   | 9.0                                | 8.2                                | 12.7                        | 70.1            |                                |
|                   | 7:12       | 3/23/2015  | 7.5                                | 8.8                                | 11.3                        | 72.4            |                                |
|                   | 7:22       | 4/6/2015   | 7.0                                | 8.2                                | 11.8                        | 73.0            |                                |
|                   | 9:00       | 4/22/2015  | 5.0                                | 8.0                                | 12.7                        | 74.3            |                                |
|                   | 7:08       | 5/4/2015   | 6.5                                | 9.2                                | 10.2                        | 74.1            |                                |
|                   | 7:15       | 5/18/2015  | 8.0                                | 10.6                               | 10.2                        | 71.2            |                                |
|                   | 7:08       | 6/1/2015   | 7.0                                | 10.8                               | 10.0                        | 72.2            |                                |
|                   | 7:20       | 6/15/2015  | 9.0                                | 11.4                               | 9.1                         | 70.5            |                                |
|                   | 7:21       | 6/29/2015  | 8.5                                | 10.8                               | 10.6                        | 70.1            |                                |
|                   | 7:18       | 7/14/2015  | 7.5                                | 11.4                               | 9.8                         | 71.3            |                                |
|                   | 7:11       | 7/27/2015  | 5.5                                | 9.6                                | 11.1                        | 73.8            |                                |
|                   | 7:18       | 8/10/2015  | 6.0                                | 10.0                               | 10.2                        | 73.8            |                                |
|                   | 7:15       | 8/24/2015  | 5.0                                | 9.2                                | 10.9                        | 74.9            |                                |
|                   | 7:25       | 9/8/2015   | 8.0                                | 12.6                               | 9.1                         | 70.3            |                                |
|                   | 7:40       | 9/21/2015  | 4.5                                | 8.6                                | 12.2                        | 74.7            |                                |
|                   | 7:16       | 10/5/2015  | 7.0                                | 11.4                               | 10.4                        | 71.2            |                                |
|                   | 7:22       | 10/19/2015 | 7.0                                | 10.2                               | 11.3                        | 71.5            |                                |
|                   | 7:38       | 11/2/2015  | 4.7                                | 8.4                                | 12.4                        | 74.5            |                                |
|                   | 7:20       | 11/16/2015 | 6.5                                | 10.0                               | 11.3                        | 72.2            |                                |
|                   | 10:50      | 11/30/2015 | 7.4                                | 10.2                               | 12.0                        | 70.4            |                                |
|                   | 7:10       | 12/15/2015 | 4.3                                | 6.8                                | 13.9                        | 75.1            |                                |
|                   | 7:20       | 12/28/2015 | 5.5                                | 7.2                                | 14.3                        | 73.0            |                                |
|                   | 8:05       | 1/9/2016   | 7.0                                | 8.0                                | 12.5                        | 72.5            |                                |
|                   | 7:40       | 1/25/2016  | 6.5                                | 6.2                                | 15.5                        | 71.8            |                                |
|                   | 7:35       | 2/8/2016   | 5.0                                | 5.2                                | 16.0                        | 73.8            |                                |
|                   | 8:21       | 2/22/2016  | 7.0                                | 6.4                                | 14.7                        | 71.9            |                                |
|                   | 7:35       | 3/7/2016   | 9.0                                | 7.2                                | 13.5                        | 70.3            |                                |
|                   | 8:18       | 3/21/2016  | 6.5                                | 6.6                                | 14.7                        | 72.2            |                                |
|                   | 7:40       | 4/4/2016   | 3.8                                | 4.8                                | 16.1                        | 75.4            |                                |
|                   | 7:45       | 4/18/2016  | 3.8                                | 4.0                                | 16.8                        | 75.5            |                                |
|                   | 8:50       | 5/3/2016   | 4.2                                | 3.6                                | 16.9                        | 75.4            |                                |
|                   | 7:38       | 5/16/2016  | 4.0                                | 3.4                                | 17.6                        | 75.1            |                                |
| 7:35              | 6/2/2016   | 2.6        | 2.8                                | 17.9                               | 76.7                        |                 |                                |
| 7:37              | 6/14/2016  | 3.1        | 3.0                                | 18.0                               | 75.9                        |                 |                                |
| 7:38              | 6/27/2016  | 2.2        | 2.4                                | 18.1                               | 77.4                        |                 |                                |
| 10:10             | 7/14/2016  | 2.5        | 3.0                                | 17.8                               | 76.7                        |                 |                                |
| 7:44              | 7/25/2016  | 2.1        | 3.0                                | 18.0                               | 76.9                        |                 |                                |
| 7:35              | 8/8/2016   | 2.7        | 3.4                                | 17.6                               | 76.4                        |                 |                                |
| 8:00              | 8/25/2016  | 2.6        | 3.6                                | 17.2                               | 76.6                        |                 |                                |
| 7:20              | 9/6/2016   | 3.0        | 3.6                                | 17.4                               | 76.1                        |                 |                                |
| 9:45              | 10/3/2016  | 3.4        | 4.8                                | 16.5                               | 75.3                        |                 |                                |
| 7:50              | 10/19/2016 | 2.8        | 4.4                                | 16.9                               | 76.0                        |                 |                                |
| 8:33              | 10/31/2016 | 3.7        | 16.1                               | 5.4                                | 74.8                        |                 |                                |
| 7:59              | 11/14/2016 | 4.1        | 5.6                                | 16.0                               | 74.3                        |                 |                                |
| 8:49              | 11/28/2016 | 6.5        | 7.4                                | 14.3                               | 71.8                        |                 |                                |
| 9:04              | 12/9/2016  | 3.7        | 4.8                                | 17.2                               | 74.3                        |                 |                                |
| 7:40              | 12/22/2016 | 4.6        | 5.4                                | 15.9                               | 74.1                        |                 |                                |

CH<sub>4</sub> = MethaneCO<sub>2</sub> = Carbon DioxideO<sub>2</sub> = Oxygen

N = Nitrogen

Table 6c. Landfill Gas Field Parameter Monitoring Results of Gas Probes

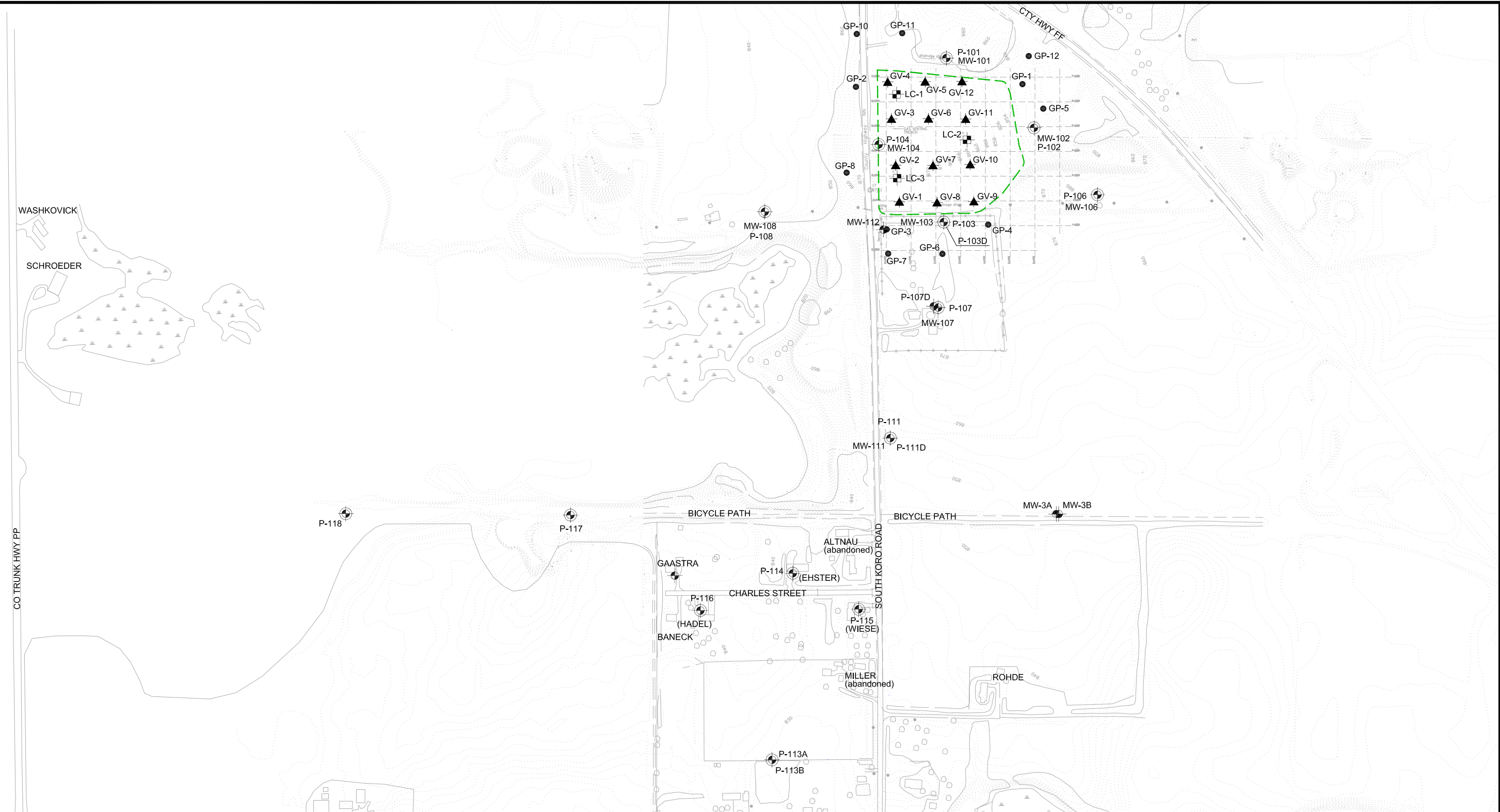
| Monitoring Points | Time       | Date       | CH <sub>4</sub><br>(%)<br>variable | CO <sub>2</sub><br>(%)<br>variable | O <sub>2</sub><br>(%)<br><5 | N<br>(%)<br><40                      | Comments<br>target percentages |
|-------------------|------------|------------|------------------------------------|------------------------------------|-----------------------------|--------------------------------------|--------------------------------|
| System Exhaust    | 7:40       | 1/4/2017   | 6.5                                | 6.0                                | 15.6                        | 71.9                                 |                                |
|                   | 7:15       | 1/13/2017  | 6.8                                | 6.2                                | 14.8                        | 72.2                                 |                                |
|                   | 7:08       | 1/27/2017  | 9.5                                | 7.6                                | 14.5                        | 68.4                                 |                                |
|                   | 7:43       | 2/13/2017  | 7.5                                | 5.8                                | 14.8                        | 71.9                                 |                                |
|                   | 7:40       | 2/27/2017  | 9.0                                | 6.6                                | 14.2                        | 70.2                                 |                                |
|                   | 8:06       | 3/13/2017  | 11.5                               | 7.0                                | 15.4                        | 66.1                                 |                                |
|                   | 7:07       | 3/28/2017  | 11.5                               | 7.4                                | 14.4                        | 66.7                                 |                                |
|                   | 7:49       | 4/12/2017  | 9.0                                | 7.4                                | 14.8                        | 68.8                                 |                                |
|                   | 6:50       | 4/18/2017  | 12.5                               | 8.8                                | 13.8                        | 64.9                                 |                                |
|                   | 7:04       | 4/25/2017  | 12.5                               | 13.9                               | 8.4                         | 65.2                                 |                                |
|                   | 7:07       | 5/8/2017   | 9.8                                | 7.6                                | 14.7                        | 67.9                                 |                                |
|                   | 7:15       | 5/22/2017  | 9.0                                | 7.6                                | 13.9                        | 69.5                                 |                                |
|                   | 7:26       | 6/5/2017   | 7.5                                | 7.6                                | 13.9                        | 71.0                                 |                                |
|                   | 7:20       | 6/19/2017  | 5.0                                | 6.8                                | 14.6                        | 73.6                                 |                                |
|                   | 8:23       | 7/4/2017   | 2.9                                | 3.6                                | 17.4                        | 76.2                                 |                                |
|                   | 7:42       | 7/18/2017  | 1.8                                | 2.4                                | 18.6                        | 77.2                                 |                                |
|                   | 7:43       | 3/1/1900   | 2.1                                | 2.6                                | 18.5                        | 76.8                                 |                                |
|                   | 7:57       | 8/14/2017  | 2.5                                | 2.8                                | 18.6                        | 76.2                                 |                                |
|                   | 8:04       | 8/29/2017  | 2.1                                | 2.6                                | 18.8                        | 76.6                                 |                                |
|                   | 7:53       | 9/12/2017  | 2.5                                | 2.8                                | 18.8                        | 75.9                                 |                                |
|                   | 8:03       | 9/25/2017  | 2.2                                | 2.6                                | 18.7                        | 76.6                                 |                                |
|                   | 8:07       | 10/10/2017 | 1.9                                | 2.2                                | 14.4                        | 81.6                                 |                                |
|                   | 7:46       | 10/23/2017 | 2.5                                | 2.6                                | 19.5                        | 75.4                                 |                                |
|                   | 7:53       | 11/6/2017  | 1.6                                | 1.8                                | 20.0                        | 76.7                                 |                                |
|                   | 8:01       | 11/17/2017 | 2.7                                | 2.6                                | 19.0                        | 75.7                                 |                                |
|                   | 7:58       | 12/1/2017  | 1.7                                | 1.8                                | 19.4                        | 77.1                                 |                                |
|                   | 8:07       | 12/18/2017 | 2.0                                | 2.2                                | 19.2                        | 76.6                                 |                                |
|                   | 8:42       | 1/3/2018   | 0.1                                | 1.0                                | 20.8                        | 78.1                                 |                                |
|                   | 7:54       | 1/11/2018  | 0.5                                | 2.4                                | 18.7                        | 78.4                                 |                                |
|                   | 7:46       | 1/26/2018  | 8.0                                | 9.6                                | 12.4                        | 70.0                                 |                                |
|                   | 8:01       | 2/13/2018  | 4.4                                | 7.4                                | 13.8                        | 74.5                                 |                                |
|                   | 7:38       | 2/27/2018  | 3.2                                | 4.6                                | 15.9                        | 76.3                                 |                                |
|                   | 7:36       | 3/13/2018  | 3.8                                | 5.2                                | 15.8                        | 75.3                                 |                                |
|                   | 8:00       | 3/28/2018  | 0.1                                | 3.8                                | 17.3                        | 78.8                                 |                                |
|                   | 8:14       | 4/10/2018  | 2.3                                | 2.6                                | 18.6                        | 76.6                                 |                                |
|                   | 7:44       | 4/25/2018  | 2.6                                | 3.2                                | 17.5                        | 76.8                                 |                                |
|                   | 7:59       | 5/8/2018   | 2.8                                | 3.6                                | 17.0                        | 76.6                                 |                                |
|                   | 7:47       | 5/21/2018  | 2.6                                | 3.4                                | 17.5                        | 76.6                                 |                                |
|                   | 8:05       | 6/5/2018   | 3.0                                | 3.8                                | 17.1                        | 76.2                                 |                                |
|                   | 7:42       | 6/20/2018  | 3.7                                | 4.2                                | 16.7                        | 75.4                                 |                                |
| 8:01              | 6/28/2018  | 3.1        | 4.0                                | 17.0                               | 76.0                        |                                      |                                |
| 5:54              | 8/2/2018   | 2.7        | 6.2                                | 16.1                               | 75.0                        | Rental meter read "over" for methane |                                |
| 6:24              | 9/15/2018  | 7.0        | 5.4                                | 16.6                               | 71.0                        |                                      |                                |
| 8:23              | 9/26/2018  | 4.8        | 4.5                                | 16.7                               | 74.1                        |                                      |                                |
| 10:47             | 10/26/2018 | 6.5        | 5.8                                | 16.2                               | 71.5                        |                                      |                                |
| 7:39              | 11/9/2018  | 6.5        | 6.2                                | 15.8                               | 71.5                        |                                      |                                |
| 7:16              | 11/21/2018 | 4.2        | 4.6                                | 17.0                               | 74.3                        |                                      |                                |
| 13:02             | 12/6/2018  | 2.9        | 3.0                                | 18.4                               | 75.8                        |                                      |                                |
| 12:55             | 12/20/2018 | 3.7        | 3.2                                | 18.2                               | 74.9                        |                                      |                                |

## Notes:

A rental landfill gas meter was used on 8/2/18, it only read "over" for all values over 33% LEL and 5% volume  
For calculation and graphical representation purposes, an average of the previous 10 methane readings is used

CH<sub>4</sub> = Methane  
CO<sub>2</sub> = Carbon Dioxide  
O<sub>2</sub> = Oxygen  
N = Nitrogen

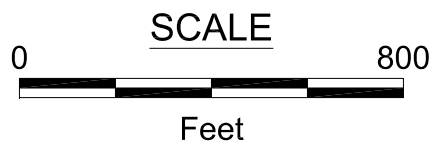
## **FIGURES**



**EXPLANATION**

- P-104 MONITOR WELL, PIEZOMETER LOCATION, DESIGNATION
- MW-104 LEACHATE HEAD WELL LOCATION, DESIGNATION
- LC-2 LEACHATE HEAD WELL LOCATION, DESIGNATION
- OUTLINE OF CLOSED LANDFILL

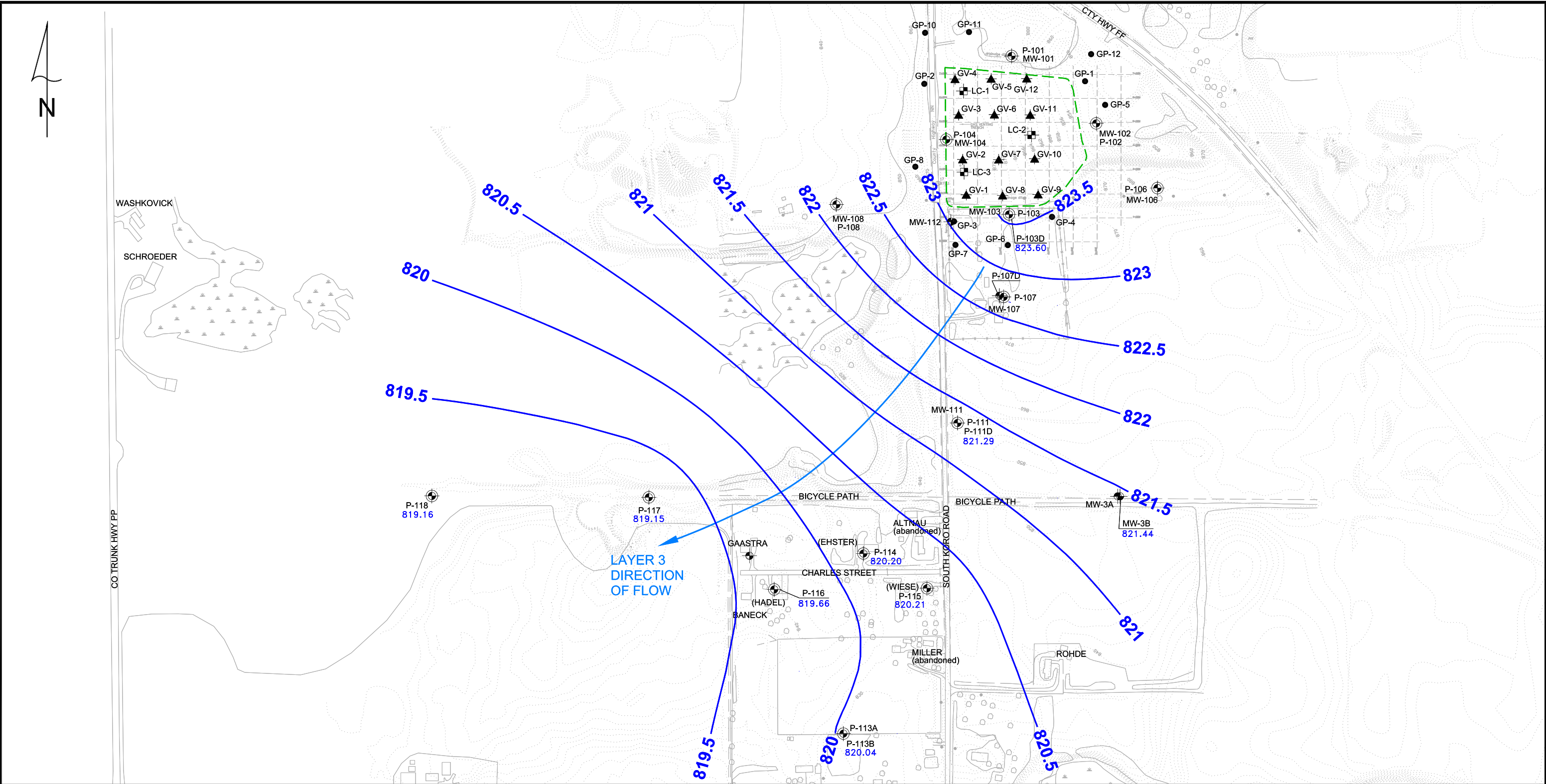
- GP-1 GAS PROBE LOCATION AND DESIGNATION
- GV-1 GAS VENT LOCATION AND DESIGNATION



BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

|                                    |               |
|------------------------------------|---------------|
| FF/NN LANDFILL<br>RIPON, WISCONSIN | DATE: 9/20/18 |
|                                    | DESIGNED: AAW |
| SITE LAYOUT                        | CHECKED: AAW  |
|                                    | APPROVED: MRN |
|                                    | DRAWN: CMP    |
| PROJ.: 117-2202061                 |               |
|                                    |               |
| Figure 1                           |               |

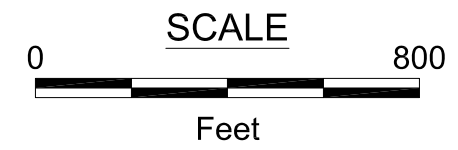




**EXPLANATION**

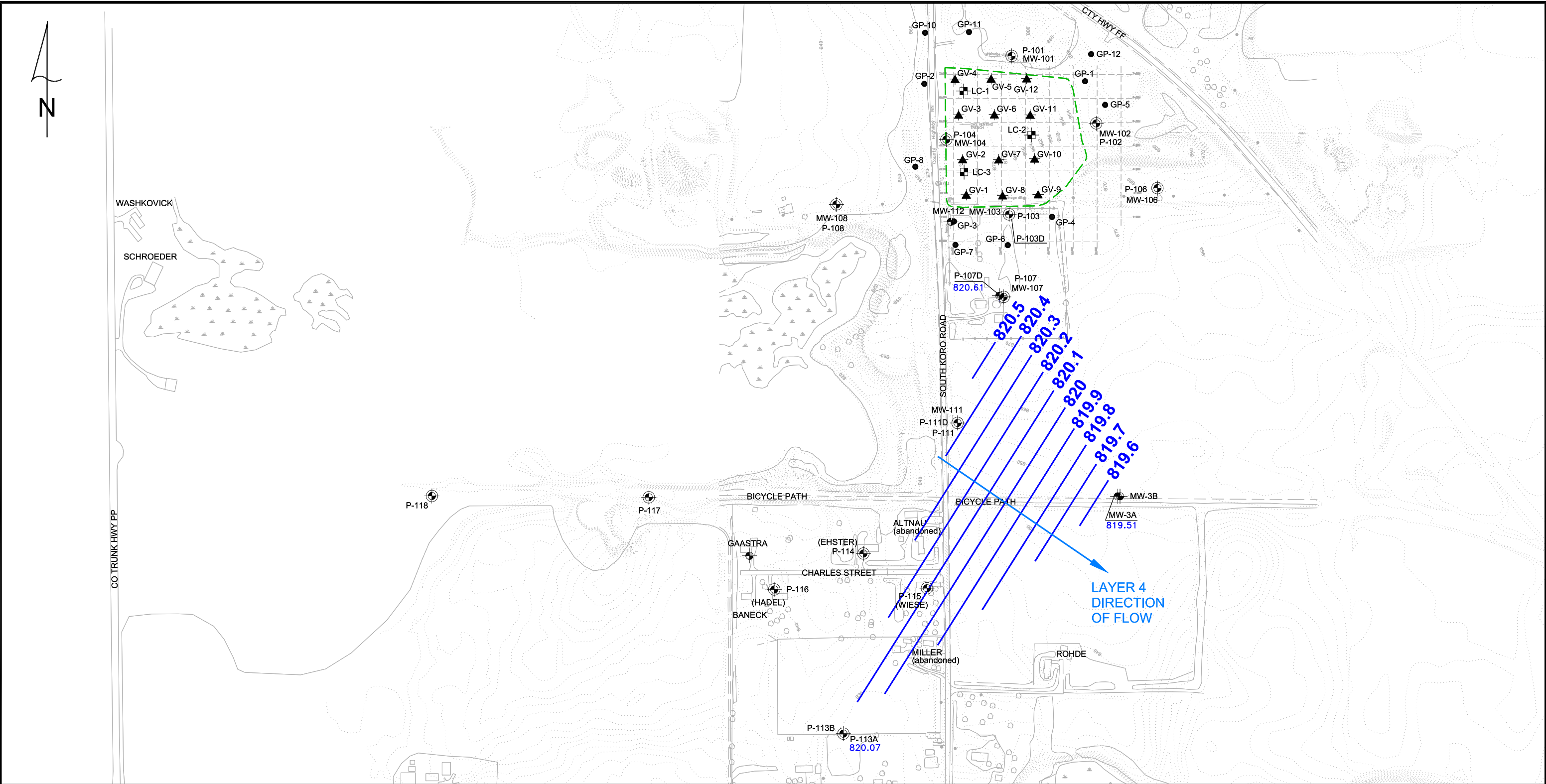
- P-104 MONITOR WELL, PIEZOMETER LOCATION, DESIGNATION
- MW-104 LEACHATE HEAD WELL LOCATION, DESIGNATION
- LC-2 LEACHATE HEAD WELL LOCATION, DESIGNATION
- OUTLINE OF CLOSED LANDFILL
- GP-1 GAS PROBE LOCATION AND DESIGNATION
- GV-1 GAS VENT LOCATION AND DESIGNATION
- 819.66 GROUNDWATER ELEVATION

GROUNDWATER CONTOUR










BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

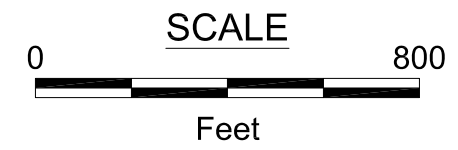
|   |                |
|---|----------------|
| FF/NN LANDFILL<br>RIPON, WISCONSIN                      | DATE: 12/31/18 |
| GROUNDWATER ELEVATIONS<br>LAYER 3 WELLS<br>OCTOBER 2018 | DESIGNED: AAW  |
|   | CHECKED: AAW   |
|   | APPROVED: MRN  |
|   | DRAWN: CMP     |
| PROJ.: 117-2202061                                      |                |
|   |                |
| Figure 3  |                |




**EXPLANATION**

-  P-104 MONITOR WELL, PIEZOMETER LOCATION, DESIGNATION
-  MW-104 MONITOR WELL, PIEZOMETER LOCATION, DESIGNATION
-  LC-2 LEACHATE HEAD WELL LOCATION, DESIGNATION
-  OUTLINE OF CLOSED LANDFILL
-  GP-1 GAS PROBE LOCATION AND DESIGNATION
-  GV-1 GAS VENT LOCATION AND DESIGNATION
-  817.70 GROUNDWATER ELEVATION

 GROUNDWATER CONTOUR



BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

|   |                |
|---|----------------|
| FF/NN LANDFILL<br>RIPON, WISCONSIN  | DATE: 12/31/18 |
| GROUNDWATER ELEVATIONS<br>LAYER 4 WELLS<br>OCTOBER 2018   | DESIGNED: AAW  |
|   | CHECKED: AAW   |
|   | APPROVED: MRN  |
|   | DRAWN: CMP     |
| PROJ.: 117-2202061  |                |
|  <b>TETRA TECH</b> | Figure 4       |

## CHARTS

Chart 3: Layer 3 Historic Water Level Data

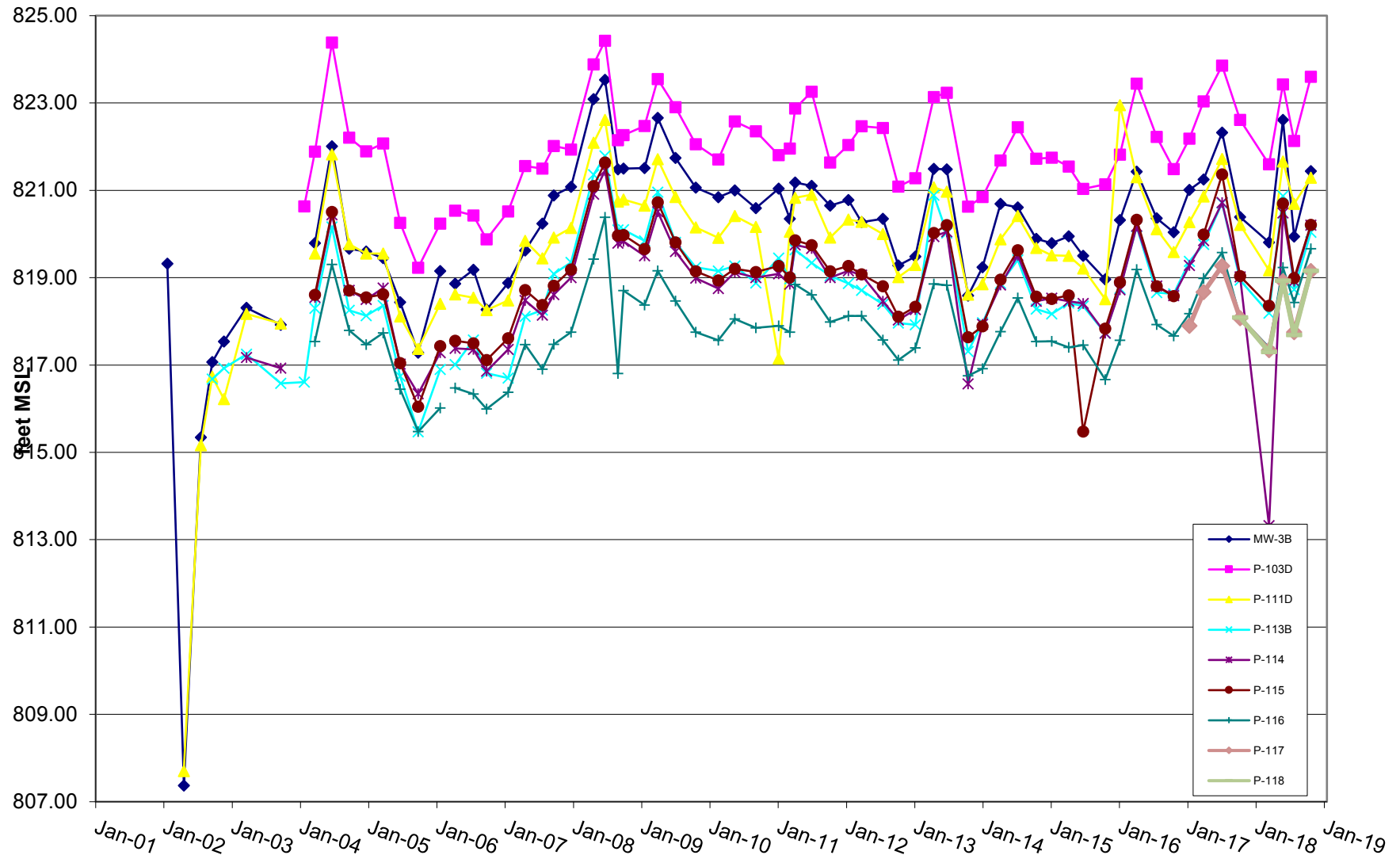


Chart 4: Layer 4 Historic Water Level Data

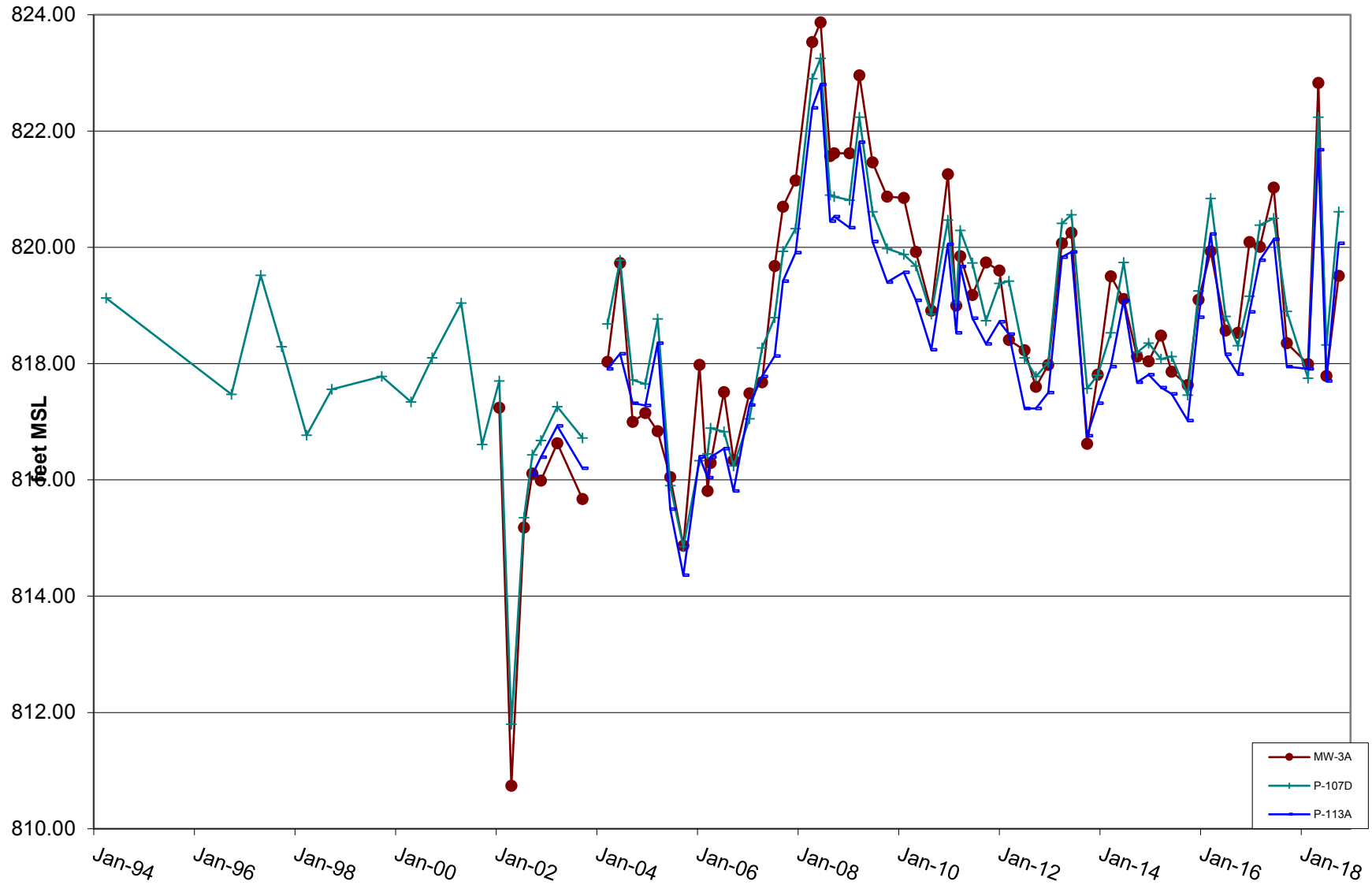
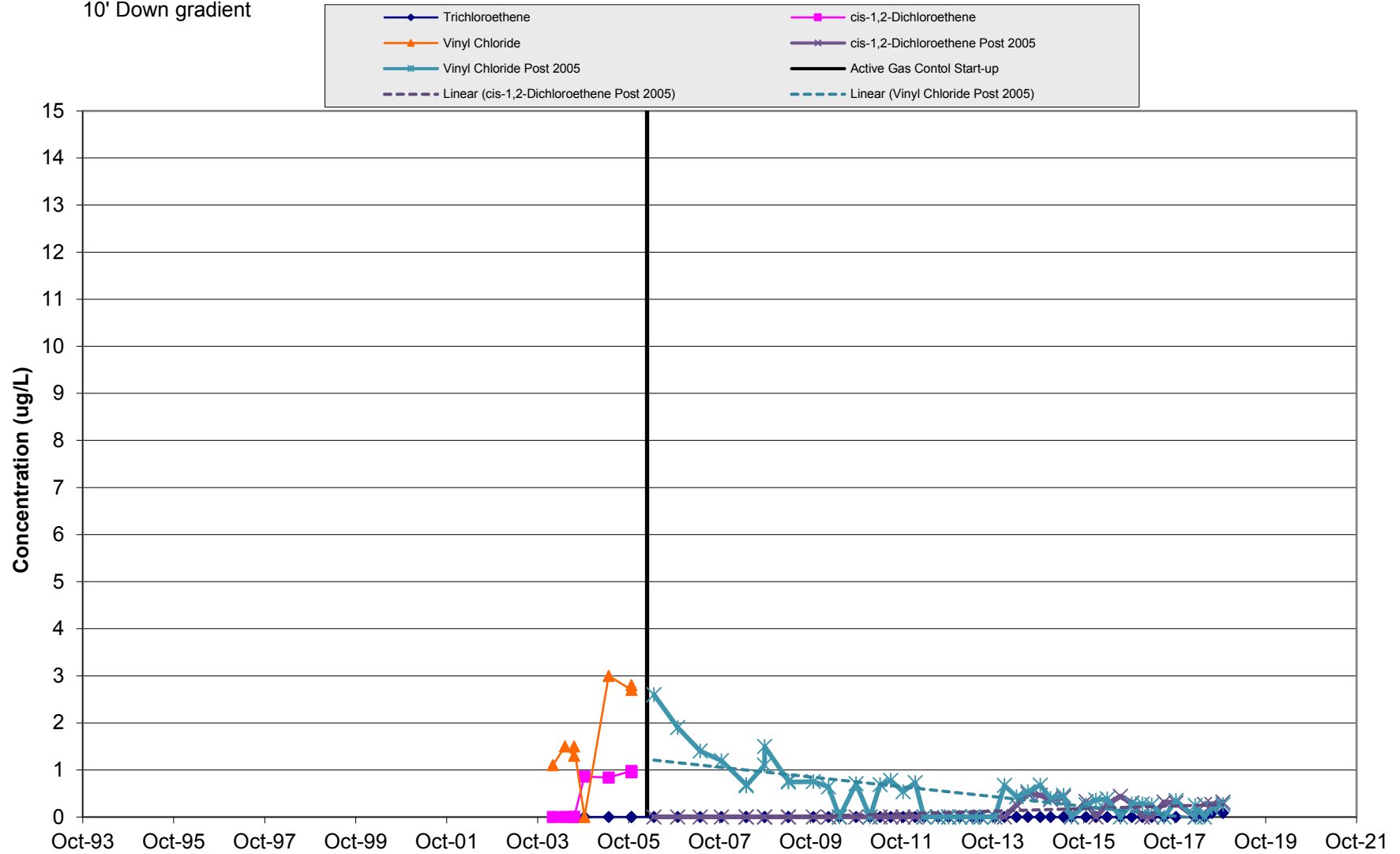


Chart 53: P-103D  
Layer 3 Well

10' Down gradient



**Chart 54: P-111D  
Layer 3 Well**

900' Down gradient

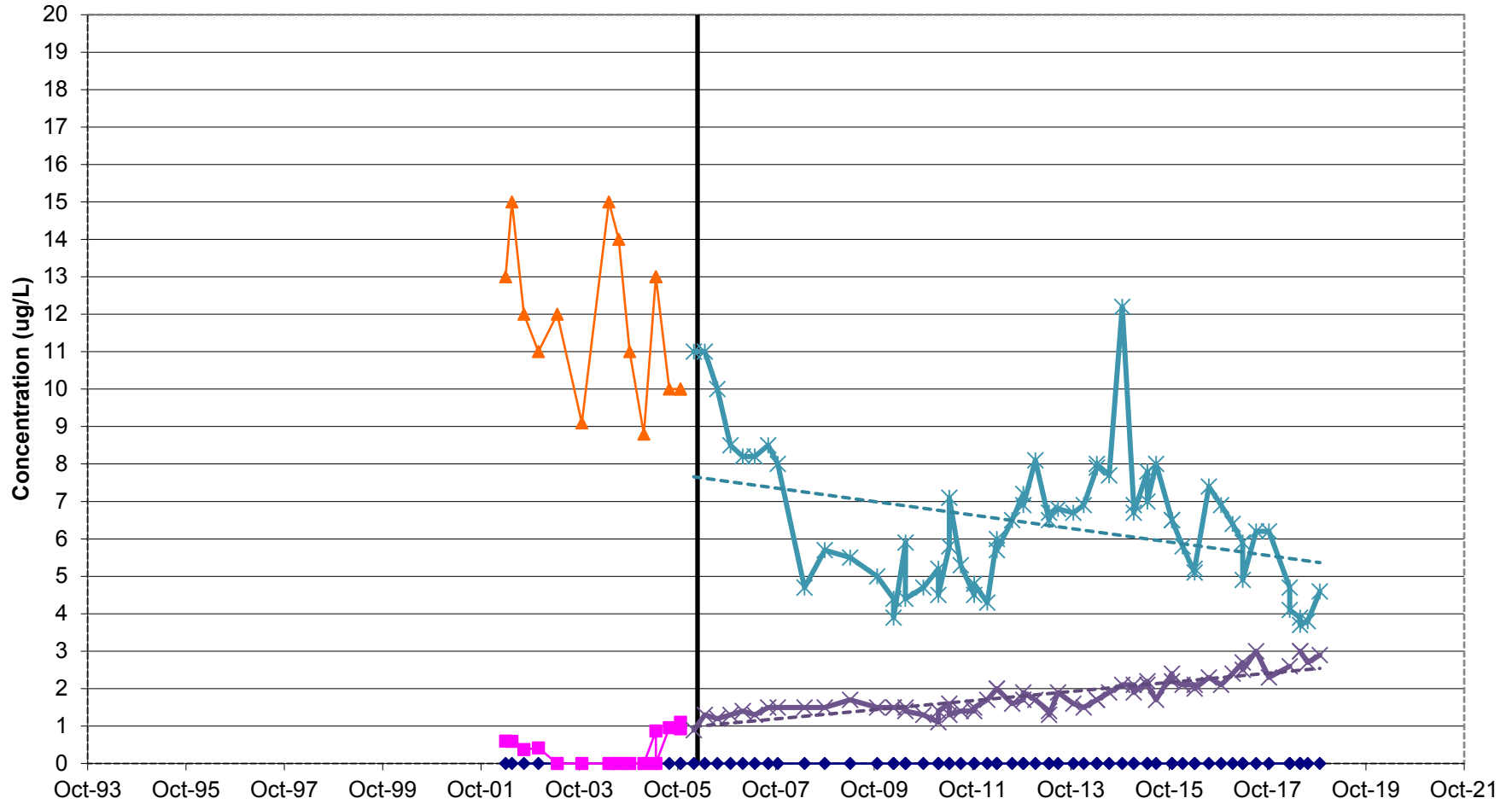


Chart 55: MW-3B  
Layer 3 Well

1270' Side gradient

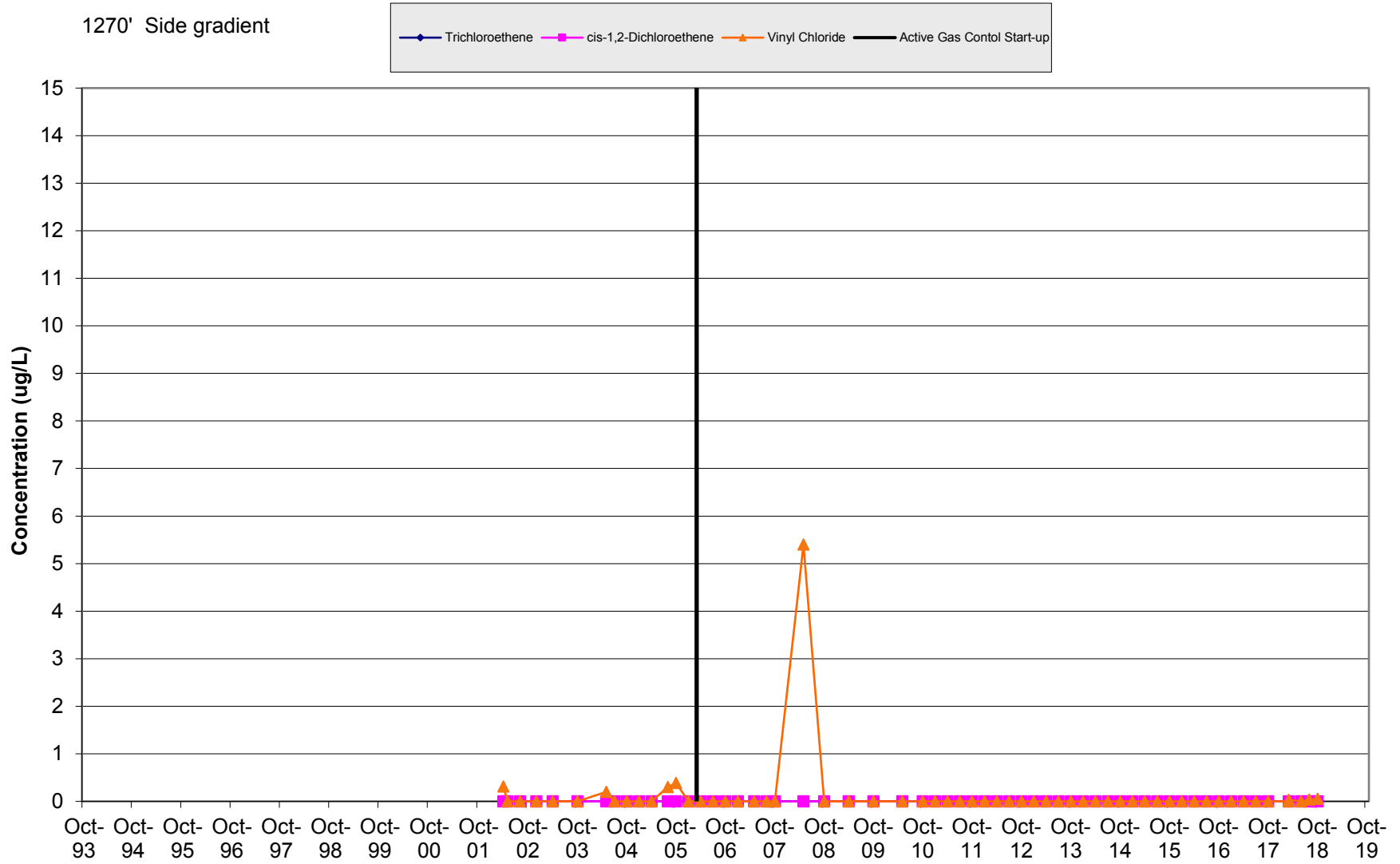




Chart 57: P-114  
Layer 3 Well

1550' Down gradient

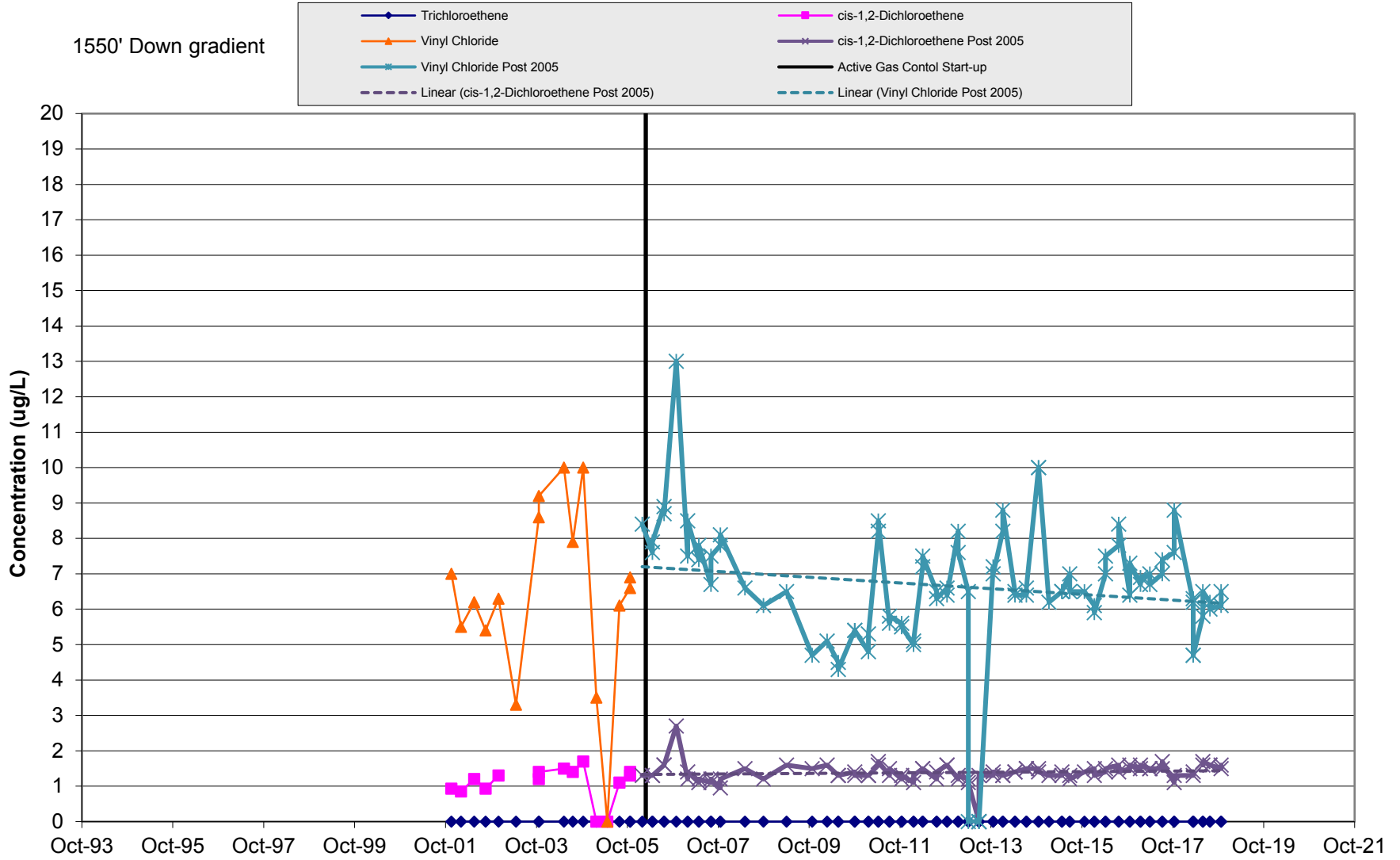


Chart 58: P-115  
Layer 3 Well

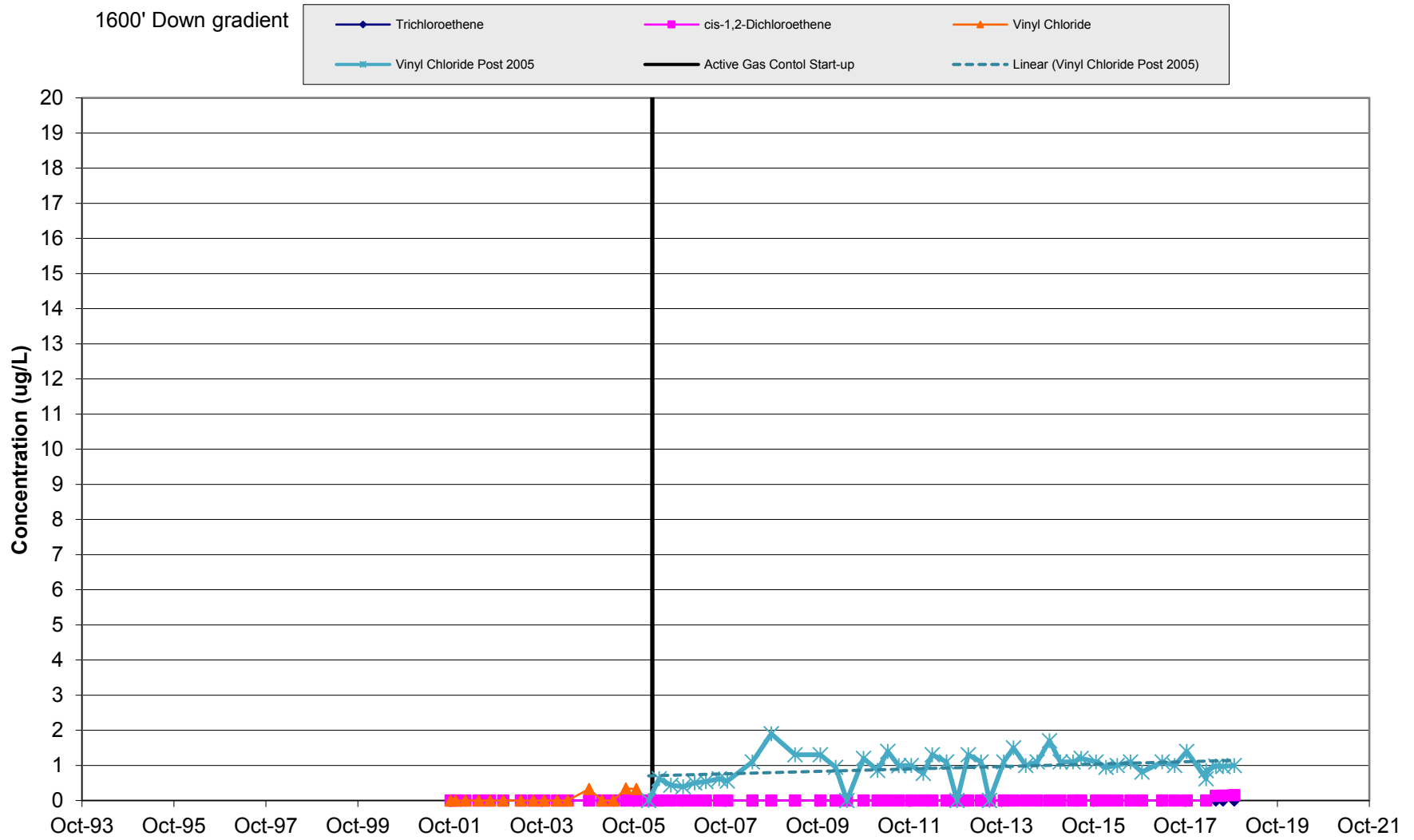
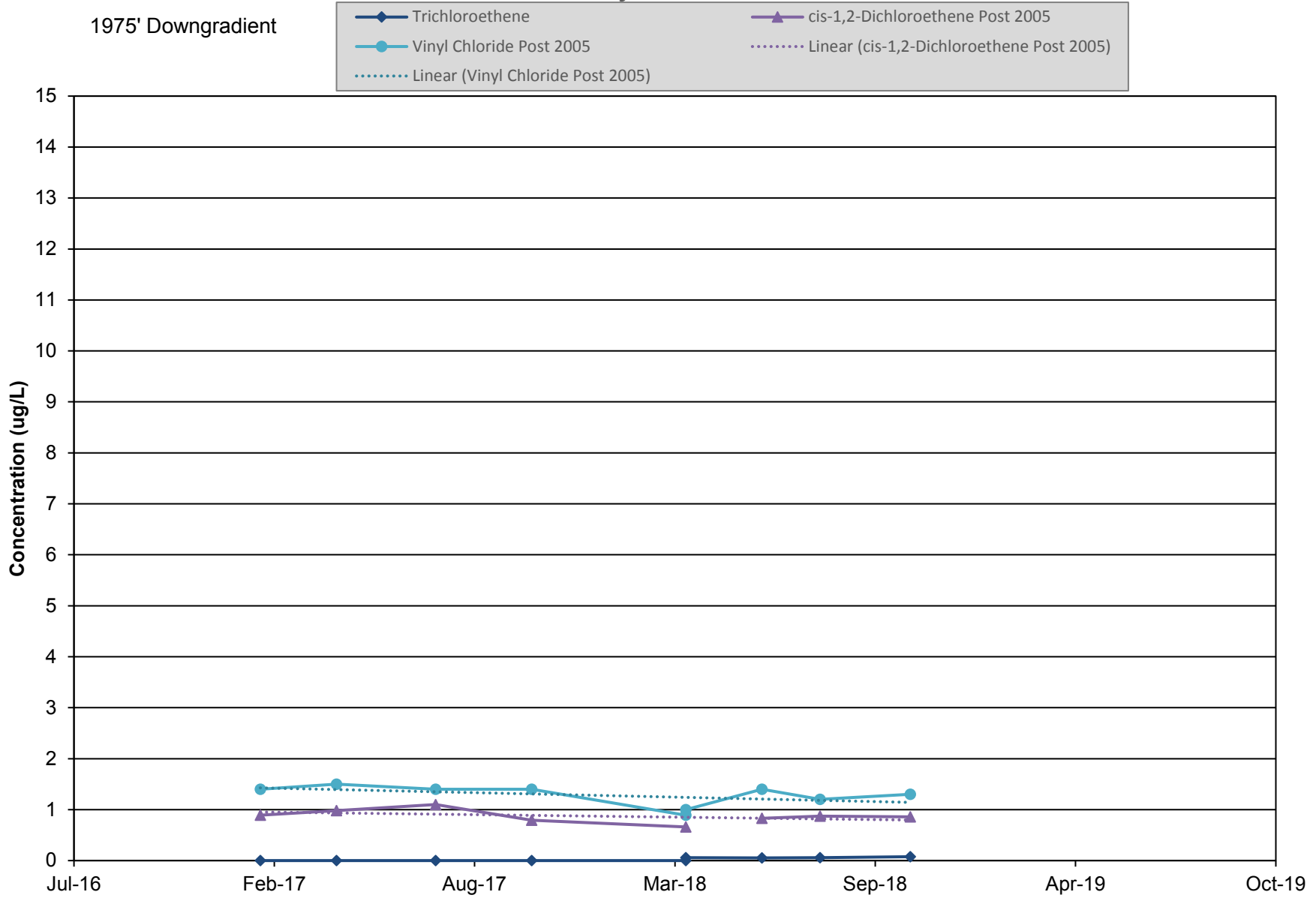


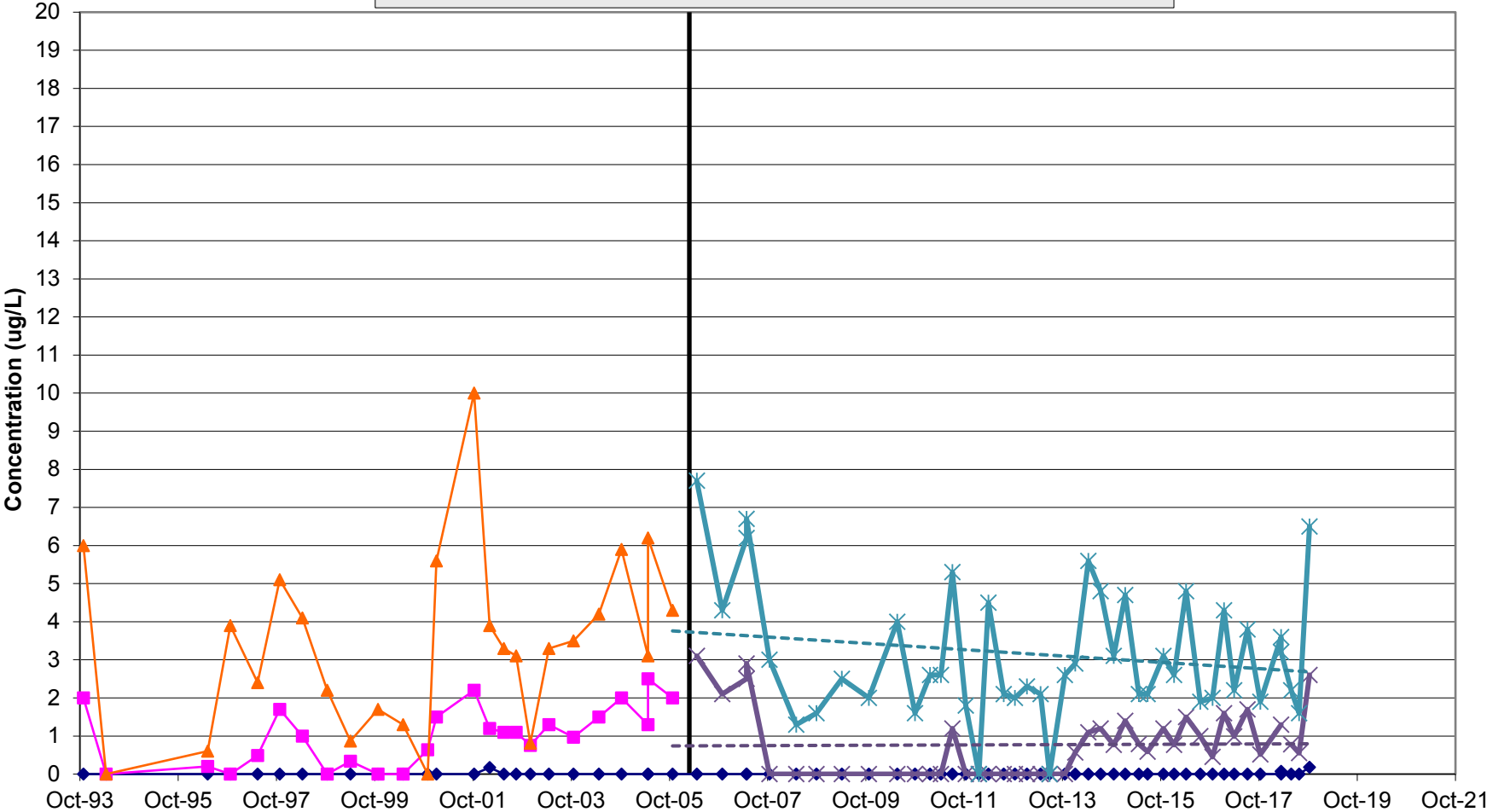
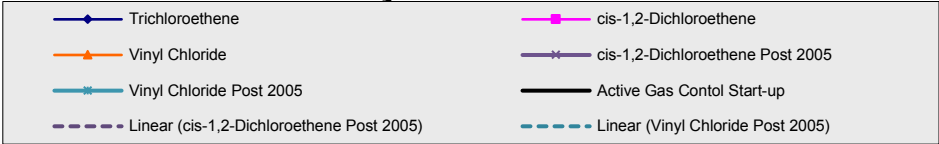
Chart 60: P-117  
Layer 3 Well

1975' Downgradient



**Chart 63: P-107D  
Layer 4 Well**

370' Down gradient



## **ATTACHMENTS**

**ATTACHMENT A**  
**STRATIGRAPHIC GROUPING TABLE**

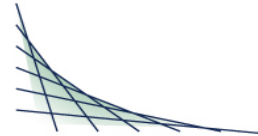
**Stratigraphic Groupings of Monitoring Wells  
FF/NN Landfill, Ripon, WI**

| <b>Layer</b>  | <b>Well ID</b> | <b>Well Screen Elevation (ft msl)</b> | <b>Lithology at Well Screen</b> |
|---------------|----------------|---------------------------------------|---------------------------------|
| Layer 1 Wells | MW-106         | 821.0                                 | sand                            |
|               | MW-101         | 820.4                                 | sand                            |
|               | MW-104         | 819.3                                 | sand & gravel                   |
|               | MW-102         | 818.9                                 | sand & gravel                   |
|               | MW-103         | 818.7                                 | sand                            |
|               | MW-107         | 816.5                                 | sand                            |
|               | MW-108         | 814.9                                 | sand                            |
|               | MW-112         | 814.1                                 | sand                            |
|               | MW-111         | 812.3                                 | sand                            |
| Layer 2 Wells | P-106          | 791.7                                 | sand                            |
|               | P-101          | 790.0                                 | sand                            |
|               | P-103          | 789.9                                 | silt                            |
|               | P-107          | 785.6                                 | sand                            |
|               | P-108          | 783.5                                 | sand                            |
|               | P-104          | 782.0                                 | sand                            |
|               | P-102          | 781.3                                 | sand                            |
|               | P-111          | 774.2                                 | sand                            |
| Layer 3 Wells | P-111D         | 704.0                                 | sand and gravel                 |
|               | P-103D         | 682.08                                | sandstone                       |
|               | MW-3B          | 665.0                                 | sandstone                       |
|               | P-113B         | 634.2                                 | sandstone                       |
|               | P-114          | 654.4                                 | sandstone                       |
|               | P-115          | 662.7                                 | sandstone                       |
|               | P-116          | 681.3                                 | sandstone                       |
|               | P-117          | 673.7                                 | sandstone                       |
|               | P-118          | 665.5                                 | dolomite                        |
| Layer 4 wells | MW-3A          | 570.0                                 | sandstone                       |
|               | P-107D         | 544.0                                 | granite                         |
|               | P-113A         | 507.8                                 | sandstone                       |

p:\ripon landfill\Stratigraphic groupings table.xls, Layers

**ATTACHMENT B**  
**LABORATORY ANALYTICAL RESULTS**





## ***ANALYTICAL REPORT***

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

**ANALYTICAL REPORT**

TETRA TECH  
 ASHLEY WAGNER  
 175 N. CORPORATE DR.  
 SUITE 100  
 BROOKFIELD, WI 53045

Project Name: RIPON FF/NN LANDFILL  
 Project Phase: RIPON, WI  
 Contract #: 3183  
 Project #: 117-2202061.01  
 Folder #: 140768  
 Purchase Order #:

Page 1 of 60  
 Arrival Temperature: 2.2  
 Report Date: 11/21/2018  
 Date Received: 11/02/2018  
 Reprint Date: 11/26/2018

|                        |                            |                           |                          |
|------------------------|----------------------------|---------------------------|--------------------------|
| CT LAB Sample#: 204697 | Sample Description: P-103D | License/Well #: 00467/141 | Sampled: 10/31/2018 0955 |
|------------------------|----------------------------|---------------------------|--------------------------|

| Analyte                       | Result | Units    | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time   | Analysis Date/Time | Analyst | Method    |
|-------------------------------|--------|----------|-------|-------|----------|-----------|------------------|--------------------|---------|-----------|
| <b>Field Results</b>          |        |          |       |       |          |           |                  |                    |         |           |
| Dissolved Oxygen (Field)      | 0.65   | mg/L     | N/A   | N/A   | 1        |           | 10/31/2018 00:00 | 10/31/2018 00:00   | SUB     | FIELD     |
| Depth to Groundwater (Field)  | 49.31  | Feet     | N/A   | N/A   | 1        |           | 10/31/2018 00:00 | 10/31/2018 00:00   | SUB     | FIELD     |
| OX/REDOX (Field)              | -99    | MV       | N/A   | N/A   | 1        |           | 10/31/2018 00:00 | 10/31/2018 00:00   | SUB     | FIELD     |
| Color (Field)                 | CLEAR  |          | N/A   | N/A   | 1        |           | 10/31/2018 00:00 | 10/31/2018 00:00   | SUB     | FIELD     |
| Conductivity (Field)          | 735    | umhos/cm | N/A   | N/A   | 1        |           | 10/31/2018 00:00 | 10/31/2018 00:00   | SUB     | FIELD     |
| Groundwater Elevation (Field) | 823.60 | Feet MSL | N/A   | N/A   | 1        |           | 10/31/2018 00:00 | 10/31/2018 00:00   | SUB     | FIELD     |
| Odor (Field)                  | NONE   |          | N/A   | N/A   | 1        |           | 10/31/2018 00:00 | 10/31/2018 00:00   | SUB     | FIELD     |
| pH (Field)                    | 6.84   | S.U.     | N/A   | N/A   | 1        |           | 10/31/2018 00:00 | 10/31/2018 00:00   | SUB     | FIELD     |
| Temperature (Field)           | 9.95   | Deg. C   | N/A   | N/A   | 1        |           | 10/31/2018 00:00 | 10/31/2018 00:00   | SUB     | FIELD     |
| Turbidity (Field)             | CLEAR  |          | N/A   | N/A   | 1        |           | 10/31/2018 00:00 | 10/31/2018 00:00   | SUB     | FIELD     |
| <b>Organic Results</b>        |        |          |       |       |          |           |                  |                    |         |           |
| 1,1,1,2-Tetrachloroethane     | <0.040 | ug/L     | 0.040 | 0.13  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,1,1-Trichloroethane         | <0.050 | ug/L     | 0.050 | 0.17  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,1,2,2-Tetrachloroethane     | <0.017 | ug/L     | 0.017 | 0.057 | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,1,2-Trichloroethane         | <0.050 | ug/L     | 0.050 | 0.16  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204697 Sample Description: P-103D

License/Well #: 00467/141 Sampled: 10/31/2018 0955

| Analyte                     | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-----------------------------|--------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| 1,1-Dichloroethane          | <0.060       | ug/L  | 0.060   | 0.19  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,1-Dichloroethene          | <0.060       | ug/L  | 0.060   | 0.20  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,1-Dichloropropene         | <0.060       | ug/L  | 0.060   | 0.19  | 1        | Q         |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,2,3-Trichlorobenzene      | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,2,3-Trichloropropane      | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,2,4-Trichlorobenzene      | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,2,4-Trimethylbenzene      | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane | <0.090       | ug/L  | 0.090   | 0.29  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,2-Dibromoethane           | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,2-Dichlorobenzene         | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,2-Dichloroethane          | <0.050       | ug/L  | 0.050   | 0.18  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,2-Dichloropropane         | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene      | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,3-Dichlorobenzene         | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,3-Dichloropropane         | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,4-Dichlorobenzene         | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 1,4-Dioxane                 | <7.0         | ug/L  | 7.0     | 23    | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 2,2-Dichloropropane         | <0.050       | ug/L  | 0.050   | 0.15  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 2-Butanone                  | <0.50        | ug/L  | 0.50    | 1.5   | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 2-Chlorotoluene             | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 2-Hexanone                  | <0.24        | ug/L  | 0.24    | 0.81  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 4-Chlorotoluene             | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| 4-Methyl-2-pentanone        | <0.24        | ug/L  | 0.24    | 0.82  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Acetone                     | <b>0.37</b>  | ug/L  | 0.30 *  | 1.0   | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Benzene                     | <b>0.031</b> | ug/L  | 0.018 * | 0.059 | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204697 Sample Description: P-103D

License/Well #: 00467/141 Sampled: 10/31/2018 0955

| Analyte                 | Result      | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time   | Analysis Date/Time | Analyst | Method    |
|-------------------------|-------------|-------|---------|-------|----------|-----------|------------------|--------------------|---------|-----------|
| Bromobenzene            | <0.040      | ug/L  | 0.040   | 0.15  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Bromochloromethane      | <0.030      | ug/L  | 0.030   | 0.099 | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Bromodichloromethane    | <0.016      | ug/L  | 0.016   | 0.054 | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Bromoform               | <0.040      | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Bromomethane            | <0.080      | ug/L  | 0.080   | 0.28  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Carbon disulfide        | <0.070      | ug/L  | 0.070   | 0.25  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Carbon tetrachloride    | <0.050      | ug/L  | 0.050   | 0.18  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Chlorobenzene           | <0.040      | ug/L  | 0.040   | 0.15  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Chloroethane            | <0.070      | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Chloroform              | <0.030      | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Chloromethane           | <b>0.10</b> | ug/L  | 0.040 * | 0.13  | 1        | B         | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <b>0.32</b> | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene | <0.011      | ug/L  | 0.011   | 0.038 | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Dibromochloromethane    | <0.030      | ug/L  | 0.030   | 0.10  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Dibromomethane          | <0.050      | ug/L  | 0.050   | 0.17  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Dichlorodifluoromethane | <0.060      | ug/L  | 0.060   | 0.19  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Diisopropyl ether       | <0.040      | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Ethylbenzene            | <0.040      | ug/L  | 0.040   | 0.15  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Hexachlorobutadiene     | <0.050      | ug/L  | 0.050   | 0.16  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Isopropylbenzene        | <0.040      | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| m & p-Xylene            | <0.070      | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Methyl tert-butyl ether | <0.040      | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Methylene chloride      | <0.050      | ug/L  | 0.050   | 0.16  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| n-Butylbenzene          | <0.030      | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |
| n-Propylbenzene         | <0.040      | ug/L  | 0.040   | 0.13  | 1        |           | 11/08/2018 10:44 | 11/08/2018 10:44   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204697 Sample Description: P-103D

License/Well #: 00467/141 Sampled: 10/31/2018 0955

| Analyte                   | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---------------------------|--------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Naphthalene               | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| o-Xylene                  | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| p-Isopropyltoluene        | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| sec-Butylbenzene          | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Styrene                   | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| tert-Butylbenzene         | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Tetrachloroethene         | <0.050       | ug/L  | 0.050   | 0.18  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Tetrahydrofuran           | <0.40        | ug/L  | 0.40    | 1.5   | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Toluene                   | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| trans-1,2-Dichloroethene  | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene | <0.019       | ug/L  | 0.019   | 0.063 | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Trichloroethene           | <b>0.086</b> | ug/L  | 0.050 * | 0.17  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Trichlorofluoromethane    | <0.090       | ug/L  | 0.090   | 0.14  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Vinyl acetate             | <0.22        | ug/L  | 0.22    | 0.73  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Vinyl chloride            | <b>0.27</b>  | ug/L  | 0.019   | 0.064 | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |
| Total Xylene              | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/08/2018 10:44   | RLD     | EPA 8260C |

CT LAB Sample#: 204698 Sample Description: P-103

License/Well #: 00467/114 Sampled: 10/31/2018 1020

| Analyte                      | Result       | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|------------------------------|--------------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|
| <b>Field Results</b>         |              |       |     |     |          |           |                |                    |         |        |
| Dissolved Oxygen (Field)     | <b>0.77</b>  | mg/L  | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| Depth to Groundwater (Field) | <b>48.37</b> | Feet  | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| OX/REDOX (Field)             | <b>-90</b>   | MV    | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204698 Sample Description: P-103

License/Well #: 00467/114 Sampled: 10/31/2018 1020

| Analyte                       | Result        | Units    | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------------|---------------|----------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Color (Field)                 | <b>CLEAR</b>  |          | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Conductivity (Field)          | <b>700</b>    | umhos/cm | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Groundwater Elevation (Field) | <b>824.37</b> | Feet MSL | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Odor (Field)                  | <b>NONE</b>   |          | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| pH (Field)                    | <b>7.02</b>   | S.U.     | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Temperature (Field)           | <b>9.96</b>   | Deg. C   | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Turbidity (Field)             | <b>CLEAR</b>  |          | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| <b>Organic Results</b>        |               |          |       |       |          |           |                |                    |         |           |
| 1,1,1,2-Tetrachloroethane     | <0.040        | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,1,1-Trichloroethane         | <0.050        | ug/L     | 0.050 | 0.17  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,1,2,2-Tetrachloroethane     | <0.017        | ug/L     | 0.017 | 0.057 | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,1,2-Trichloroethane         | <0.050        | ug/L     | 0.050 | 0.16  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,1-Dichloroethane            | <0.060        | ug/L     | 0.060 | 0.19  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,1-Dichloroethene            | <0.060        | ug/L     | 0.060 | 0.20  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,1-Dichloropropene           | <0.060        | ug/L     | 0.060 | 0.19  | 1        | Q         |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,2,3-Trichlorobenzene        | <0.040        | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,2,3-Trichloropropane        | <0.040        | ug/L     | 0.040 | 0.14  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,2,4-Trichlorobenzene        | <0.040        | ug/L     | 0.040 | 0.12  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,2,4-Trimethylbenzene        | <0.040        | ug/L     | 0.040 | 0.12  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane   | <0.090        | ug/L     | 0.090 | 0.29  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,2-Dibromoethane             | <0.070        | ug/L     | 0.070 | 0.23  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,2-Dichlorobenzene           | <0.040        | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,2-Dichloroethane            | <0.050        | ug/L     | 0.050 | 0.18  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,2-Dichloropropane           | <0.070        | ug/L     | 0.070 | 0.23  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene        | <0.050        | ug/L     | 0.050 | 0.16  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204698 Sample Description: P-103

License/Well #: 00467/114 Sampled: 10/31/2018 1020

| Analyte                 | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------|--------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| 1,3-Dichlorobenzene     | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,3-Dichloropropane     | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,4-Dichlorobenzene     | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 1,4-Dioxane             | <7.0         | ug/L  | 7.0     | 23    | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 2,2-Dichloropropane     | <0.050       | ug/L  | 0.050   | 0.15  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 2-Butanone              | <0.50        | ug/L  | 0.50    | 1.5   | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 2-Chlorotoluene         | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 2-Hexanone              | <0.24        | ug/L  | 0.24    | 0.81  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 4-Chlorotoluene         | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| 4-Methyl-2-pentanone    | <0.24        | ug/L  | 0.24    | 0.82  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| Acetone                 | <0.30        | ug/L  | 0.30    | 1.0   | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| Benzene                 | <0.018       | ug/L  | 0.018   | 0.059 | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| Bromobenzene            | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| Bromochloromethane      | <0.030       | ug/L  | 0.030   | 0.099 | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| Bromodichloromethane    | <0.016       | ug/L  | 0.016   | 0.054 | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| Bromoform               | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| Bromomethane            | <0.080       | ug/L  | 0.080   | 0.28  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| Carbon disulfide        | <0.070       | ug/L  | 0.070   | 0.25  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| Carbon tetrachloride    | <0.050       | ug/L  | 0.050   | 0.18  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| Chlorobenzene           | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| Chloroethane            | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| Chloroform              | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| Chloromethane           | <b>0.090</b> | ug/L  | 0.040 * | 0.13  | 1        | B         |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene | <0.011       | ug/L  | 0.011   | 0.038 | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204698 Sample Description: P-103

License/Well #: 00467/114 Sampled: 10/31/2018 1020

| Analyte                   | Result | Units | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---------------------------|--------|-------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Dibromochloromethane      | <0.030 | ug/L  | 0.030 | 0.10  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| Dibromomethane            | <0.050 | ug/L  | 0.050 | 0.17  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| Dichlorodifluoromethane   | <0.060 | ug/L  | 0.060 | 0.19  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| Diisopropyl ether         | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| Ethylbenzene              | <0.040 | ug/L  | 0.040 | 0.15  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| Hexachlorobutadiene       | <0.050 | ug/L  | 0.050 | 0.16  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| Isopropylbenzene          | <0.040 | ug/L  | 0.040 | 0.12  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| m & p-Xylene              | <0.070 | ug/L  | 0.070 | 0.23  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| Methyl tert-butyl ether   | <0.040 | ug/L  | 0.040 | 0.12  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| Methylene chloride        | <0.050 | ug/L  | 0.050 | 0.16  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| n-Butylbenzene            | <0.030 | ug/L  | 0.030 | 0.11  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| n-Propylbenzene           | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| Naphthalene               | <0.030 | ug/L  | 0.030 | 0.10  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| o-Xylene                  | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| p-Isopropyltoluene        | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| sec-Butylbenzene          | <0.050 | ug/L  | 0.050 | 0.16  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| Styrene                   | <0.030 | ug/L  | 0.030 | 0.11  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| tert-Butylbenzene         | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| Tetrachloroethene         | <0.050 | ug/L  | 0.050 | 0.18  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| Tetrahydrofuran           | <0.40  | ug/L  | 0.40  | 1.5   | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| Toluene                   | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| trans-1,2-Dichloroethene  | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene | <0.019 | ug/L  | 0.019 | 0.063 | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| Trichloroethene           | <0.050 | ug/L  | 0.050 | 0.17  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |
| Trichlorofluoromethane    | <0.090 | ug/L  | 0.090 | 0.14  | 1        |           | 11/08/2018     | 11:12              | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis



CT LAB Sample#: 204698 Sample Description: P-103 License/Well #: 00467/114 Sampled: 10/31/2018 1020

| Analyte        | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|----------------|--------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Vinyl acetate  | <0.22        | ug/L  | 0.22    | 0.73  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| Vinyl chloride | <b>0.042</b> | ug/L  | 0.019 * | 0.064 | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |
| Total Xylene   | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/08/2018 11:12   | RLD     | EPA 8260C |

CT LAB Sample#: 204699 Sample Description: MW-103 License/Well #: 00467/112 Sampled: 10/31/2018 1030

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|

**Field Results**

|                               |               |          |     |     |   |  |  |                  |     |       |
|-------------------------------|---------------|----------|-----|-----|---|--|--|------------------|-----|-------|
| Dissolved Oxygen (Field)      | <b>5.18</b>   | mg/L     | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Depth to Groundwater (Field)  | <b>49.89</b>  | Feet     | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| OX/REDOX (Field)              | <b>20</b>     | MV       | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Color (Field)                 | <b>CLEAR</b>  |          | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Conductivity (Field)          | <b>1078</b>   | umhos/cm | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Groundwater Elevation (Field) | <b>822.41</b> | Feet MSL | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Odor (Field)                  | <b>NONE</b>   |          | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| pH (Field)                    | <b>7.07</b>   | S.U.     | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Temperature (Field)           | <b>9.38</b>   | Deg. C   | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Turbidity (Field)             | <b>CLEAR</b>  |          | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |

**Organic Results**

|                           |        |      |       |       |   |  |  |                  |     |           |
|---------------------------|--------|------|-------|-------|---|--|--|------------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane | <0.040 | ug/L | 0.040 | 0.13  | 1 |  |  | 11/08/2018 11:41 | RLD | EPA 8260C |
| 1,1,1-Trichloroethane     | <0.050 | ug/L | 0.050 | 0.17  | 1 |  |  | 11/08/2018 11:41 | RLD | EPA 8260C |
| 1,1,2,2-Tetrachloroethane | <0.017 | ug/L | 0.017 | 0.057 | 1 |  |  | 11/08/2018 11:41 | RLD | EPA 8260C |
| 1,1,2-Trichloroethane     | <0.050 | ug/L | 0.050 | 0.16  | 1 |  |  | 11/08/2018 11:41 | RLD | EPA 8260C |
| 1,1-Dichloroethane        | <0.060 | ug/L | 0.060 | 0.19  | 1 |  |  | 11/08/2018 11:41 | RLD | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204699 Sample Description: MW-103

License/Well #: 00467/112 Sampled: 10/31/2018 1030

| Analyte                     | Result      | Units | LOD    | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-----------------------------|-------------|-------|--------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| 1,1-Dichloroethene          | <0.060      | ug/L  | 0.060  | 0.20  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 1,1-Dichloropropene         | <0.060      | ug/L  | 0.060  | 0.19  | 1        | Q         |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 1,2,3-Trichlorobenzene      | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 1,2,3-Trichloropropane      | <0.040      | ug/L  | 0.040  | 0.14  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 1,2,4-Trichlorobenzene      | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 1,2,4-Trimethylbenzene      | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane | <0.090      | ug/L  | 0.090  | 0.29  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 1,2-Dibromoethane           | <0.070      | ug/L  | 0.070  | 0.23  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 1,2-Dichlorobenzene         | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 1,2-Dichloroethane          | <0.050      | ug/L  | 0.050  | 0.18  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 1,2-Dichloropropane         | <0.070      | ug/L  | 0.070  | 0.23  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene      | <0.050      | ug/L  | 0.050  | 0.16  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 1,3-Dichlorobenzene         | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 1,3-Dichloropropane         | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 1,4-Dichlorobenzene         | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 1,4-Dioxane                 | <7.0        | ug/L  | 7.0    | 23    | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 2,2-Dichloropropane         | <0.050      | ug/L  | 0.050  | 0.15  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 2-Butanone                  | <0.50       | ug/L  | 0.50   | 1.5   | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 2-Chlorotoluene             | <0.030      | ug/L  | 0.030  | 0.11  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 2-Hexanone                  | <0.24       | ug/L  | 0.24   | 0.81  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 4-Chlorotoluene             | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| 4-Methyl-2-pentanone        | <0.24       | ug/L  | 0.24   | 0.82  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Acetone                     | <b>0.43</b> | ug/L  | 0.30 * | 1.0   | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Benzene                     | <0.018      | ug/L  | 0.018  | 0.059 | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Bromobenzene                | <0.040      | ug/L  | 0.040  | 0.15  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204699 Sample Description: MW-103

License/Well #: 00467/112 Sampled: 10/31/2018 1030

| Analyte                 | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------|--------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Bromochloromethane      | <0.030       | ug/L  | 0.030   | 0.099 | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Bromodichloromethane    | <0.016       | ug/L  | 0.016   | 0.054 | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Bromoform               | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Bromomethane            | <0.080       | ug/L  | 0.080   | 0.28  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Carbon disulfide        | <0.070       | ug/L  | 0.070   | 0.25  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Carbon tetrachloride    | <0.050       | ug/L  | 0.050   | 0.18  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Chlorobenzene           | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Chloroethane            | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Chloroform              | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Chloromethane           | <b>0.049</b> | ug/L  | 0.040 * | 0.13  | 1        | B         |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <b>0.24</b>  | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene | <0.011       | ug/L  | 0.011   | 0.038 | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Dibromochloromethane    | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Dibromomethane          | <0.050       | ug/L  | 0.050   | 0.17  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Dichlorodifluoromethane | <0.060       | ug/L  | 0.060   | 0.19  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Diisopropyl ether       | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Ethylbenzene            | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Hexachlorobutadiene     | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Isopropylbenzene        | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| m & p-Xylene            | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Methyl tert-butyl ether | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Methylene chloride      | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| n-Butylbenzene          | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| n-Propylbenzene         | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |
| Naphthalene             | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           |                | 11/08/2018 11:41   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204699 Sample Description: MW-103

License/Well #: 00467/112 Sampled: 10/31/2018 1030

| Analyte                   | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---------------------------|--------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| o-Xylene                  | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 11:41              | RLD     | EPA 8260C |
| p-Isopropyltoluene        | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           | 11/08/2018     | 11:41              | RLD     | EPA 8260C |
| sec-Butylbenzene          | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           | 11/08/2018     | 11:41              | RLD     | EPA 8260C |
| Styrene                   | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018     | 11:41              | RLD     | EPA 8260C |
| tert-Butylbenzene         | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 11:41              | RLD     | EPA 8260C |
| Tetrachloroethene         | <b>0.27</b>  | ug/L  | 0.050   | 0.18  | 1        |           | 11/08/2018     | 11:41              | RLD     | EPA 8260C |
| Tetrahydrofuran           | <0.40        | ug/L  | 0.40    | 1.5   | 1        |           | 11/08/2018     | 11:41              | RLD     | EPA 8260C |
| Toluene                   | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           | 11/08/2018     | 11:41              | RLD     | EPA 8260C |
| trans-1,2-Dichloroethene  | <b>0.045</b> | ug/L  | 0.040 * | 0.14  | 1        |           | 11/08/2018     | 11:41              | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene | <0.019       | ug/L  | 0.019   | 0.063 | 1        |           | 11/08/2018     | 11:41              | RLD     | EPA 8260C |
| Trichloroethene           | <b>1.4</b>   | ug/L  | 0.050   | 0.17  | 1        |           | 11/08/2018     | 11:41              | RLD     | EPA 8260C |
| Trichlorofluoromethane    | <0.090       | ug/L  | 0.090   | 0.14  | 1        |           | 11/08/2018     | 11:41              | RLD     | EPA 8260C |
| Vinyl acetate             | <0.22        | ug/L  | 0.22    | 0.73  | 1        |           | 11/08/2018     | 11:41              | RLD     | EPA 8260C |
| Vinyl chloride            | <0.019       | ug/L  | 0.019   | 0.064 | 1        |           | 11/08/2018     | 11:41              | RLD     | EPA 8260C |
| Total Xylene              | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 11:41              | RLD     | EPA 8260C |

CT LAB Sample#: 204700 Sample Description: MW-112

License/Well #: 00467/121 Sampled: 10/31/2018 1045

| Analyte                      | Result       | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|------------------------------|--------------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|
| <b>Field Results</b>         |              |       |     |     |          |           |                |                    |         |        |
| Dissolved Oxygen (Field)     | <b>2.02</b>  | mg/L  | N/A | N/A | 1        |           | 10/31/2018     | 00:00              | SUB     | FIELD  |
| Depth to Groundwater (Field) | <b>53.21</b> | Feet  | N/A | N/A | 1        |           | 10/31/2018     | 00:00              | SUB     | FIELD  |
| OX/REDOX (Field)             | <b>-65</b>   | MV    | N/A | N/A | 1        |           | 10/31/2018     | 00:00              | SUB     | FIELD  |
| Color (Field)                | <b>CLEAR</b> |       | N/A | N/A | 1        |           | 10/31/2018     | 00:00              | SUB     | FIELD  |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204700 Sample Description: MW-112

License/Well #: 00467/121 Sampled: 10/31/2018 1045

| Analyte                       | Result | Units    | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------------|--------|----------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Conductivity (Field)          | 702    | umhos/cm | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Groundwater Elevation (Field) | 821.49 | Feet MSL | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Odor (Field)                  | NONE   |          | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| pH (Field)                    | 7.13   | S.U.     | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Temperature (Field)           | 10.91  | Deg. C   | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Turbidity (Field)             | CLEAR  |          | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| <b>Organic Results</b>        |        |          |       |       |          |           |                |                    |         |           |
| 1,1,1,2-Tetrachloroethane     | <0.040 | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,1,1-Trichloroethane         | <0.050 | ug/L     | 0.050 | 0.17  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,1,2,2-Tetrachloroethane     | <0.017 | ug/L     | 0.017 | 0.057 | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,1,2-Trichloroethane         | <0.050 | ug/L     | 0.050 | 0.16  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,1-Dichloroethane            | <0.060 | ug/L     | 0.060 | 0.19  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,1-Dichloroethene            | <0.060 | ug/L     | 0.060 | 0.20  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,1-Dichloropropene           | <0.060 | ug/L     | 0.060 | 0.19  | 1        | Q         |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,2,3-Trichlorobenzene        | <0.040 | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,2,3-Trichloropropane        | <0.040 | ug/L     | 0.040 | 0.14  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,2,4-Trichlorobenzene        | <0.040 | ug/L     | 0.040 | 0.12  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,2,4-Trimethylbenzene        | <0.040 | ug/L     | 0.040 | 0.12  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane   | <0.090 | ug/L     | 0.090 | 0.29  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,2-Dibromoethane             | <0.070 | ug/L     | 0.070 | 0.23  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,2-Dichlorobenzene           | <0.040 | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,2-Dichloroethane            | <0.050 | ug/L     | 0.050 | 0.18  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,2-Dichloropropane           | <0.070 | ug/L     | 0.070 | 0.23  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene        | <0.050 | ug/L     | 0.050 | 0.16  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,3-Dichlorobenzene           | <0.040 | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204700 Sample Description: MW-112

License/Well #: 00467/121 Sampled: 10/31/2018 1045

| Analyte                 | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------|--------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| 1,3-Dichloropropane     | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,4-Dichlorobenzene     | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 1,4-Dioxane             | <7.0         | ug/L  | 7.0     | 23    | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 2,2-Dichloropropane     | <0.050       | ug/L  | 0.050   | 0.15  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 2-Butanone              | <0.50        | ug/L  | 0.50    | 1.5   | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 2-Chlorotoluene         | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 2-Hexanone              | <0.24        | ug/L  | 0.24    | 0.81  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 4-Chlorotoluene         | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| 4-Methyl-2-pentanone    | <0.24        | ug/L  | 0.24    | 0.82  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Acetone                 | <b>0.80</b>  | ug/L  | 0.30 *  | 1.0   | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Benzene                 | <0.018       | ug/L  | 0.018   | 0.059 | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Bromobenzene            | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Bromochloromethane      | <0.030       | ug/L  | 0.030   | 0.099 | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Bromodichloromethane    | <0.016       | ug/L  | 0.016   | 0.054 | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Bromoform               | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Bromomethane            | <0.080       | ug/L  | 0.080   | 0.28  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Carbon disulfide        | <0.070       | ug/L  | 0.070   | 0.25  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Carbon tetrachloride    | <0.050       | ug/L  | 0.050   | 0.18  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Chlorobenzene           | <b>0.12</b>  | ug/L  | 0.040 * | 0.15  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Chloroethane            | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Chloroform              | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Chloromethane           | <b>0.069</b> | ug/L  | 0.040 * | 0.13  | 1        | B         |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <b>0.21</b>  | ug/L  | 0.070 * | 0.23  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene | <0.011       | ug/L  | 0.011   | 0.038 | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Dibromochloromethane    | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204700 Sample Description: MW-112

License/Well #: 00467/121 Sampled: 10/31/2018 1045

| Analyte                   | Result      | Units | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---------------------------|-------------|-------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Dibromomethane            | <0.050      | ug/L  | 0.050 | 0.17  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Dichlorodifluoromethane   | <0.060      | ug/L  | 0.060 | 0.19  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Diisopropyl ether         | <0.040      | ug/L  | 0.040 | 0.14  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Ethylbenzene              | <0.040      | ug/L  | 0.040 | 0.15  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Hexachlorobutadiene       | <0.050      | ug/L  | 0.050 | 0.16  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Isopropylbenzene          | <0.040      | ug/L  | 0.040 | 0.12  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| m & p-Xylene              | <0.070      | ug/L  | 0.070 | 0.23  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Methyl tert-butyl ether   | <0.040      | ug/L  | 0.040 | 0.12  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Methylene chloride        | <0.050      | ug/L  | 0.050 | 0.16  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| n-Butylbenzene            | <0.030      | ug/L  | 0.030 | 0.11  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| n-Propylbenzene           | <0.040      | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Naphthalene               | <0.030      | ug/L  | 0.030 | 0.10  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| o-Xylene                  | <0.040      | ug/L  | 0.040 | 0.14  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| p-Isopropyltoluene        | <0.040      | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| sec-Butylbenzene          | <0.050      | ug/L  | 0.050 | 0.16  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Styrene                   | <0.030      | ug/L  | 0.030 | 0.11  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| tert-Butylbenzene         | <0.040      | ug/L  | 0.040 | 0.14  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Tetrachloroethene         | <b>0.19</b> | ug/L  | 0.050 | 0.18  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Tetrahydrofuran           | <0.40       | ug/L  | 0.40  | 1.5   | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Toluene                   | <0.040      | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| trans-1,2-Dichloroethene  | <0.040      | ug/L  | 0.040 | 0.14  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene | <0.019      | ug/L  | 0.019 | 0.063 | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Trichloroethene           | <b>0.86</b> | ug/L  | 0.050 | 0.17  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Trichlorofluoromethane    | <0.090      | ug/L  | 0.090 | 0.14  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Vinyl acetate             | <0.22       | ug/L  | 0.22  | 0.73  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204700 Sample Description: MW-112 License/Well #: 00467/121 Sampled: 10/31/2018 1045

| Analyte        | Result | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|----------------|--------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Vinyl chloride | 0.024  | ug/L  | 0.019 * | 0.064 | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |
| Total Xylene   | <0.040 | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/08/2018 12:09   | RLD     | EPA 8260C |

CT LAB Sample#: 204701 Sample Description: P-107D License/Well #: 00467/119 Sampled: 10/31/2018 1125

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|

**Field Results**

|                               |        |          |     |     |   |  |  |                  |     |       |
|-------------------------------|--------|----------|-----|-----|---|--|--|------------------|-----|-------|
| Dissolved Oxygen (Field)      | 0.47   | mg/L     | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Depth to Groundwater (Field)  | 51.29  | Feet     | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| OX/REDOX (Field)              | -63    | MV       | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Color (Field)                 | CLEAR  |          | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Conductivity (Field)          | 557    | umhos/cm | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Groundwater Elevation (Field) | 820.61 | Feet MSL | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Odor (Field)                  | NONE   |          | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| pH (Field)                    | 7.42   | S.U.     | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Temperature (Field)           | 10.18  | Deg. C   | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Turbidity (Field)             | CLEAR  |          | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |

**Organic Results**

|                           |        |      |       |       |   |  |  |                  |     |           |
|---------------------------|--------|------|-------|-------|---|--|--|------------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane | <0.040 | ug/L | 0.040 | 0.13  | 1 |  |  | 11/08/2018 12:37 | RLD | EPA 8260C |
| 1,1,1-Trichloroethane     | <0.050 | ug/L | 0.050 | 0.17  | 1 |  |  | 11/08/2018 12:37 | RLD | EPA 8260C |
| 1,1,2,2-Tetrachloroethane | <0.017 | ug/L | 0.017 | 0.057 | 1 |  |  | 11/08/2018 12:37 | RLD | EPA 8260C |
| 1,1,2-Trichloroethane     | <0.050 | ug/L | 0.050 | 0.16  | 1 |  |  | 11/08/2018 12:37 | RLD | EPA 8260C |
| 1,1-Dichloroethane        | <0.060 | ug/L | 0.060 | 0.19  | 1 |  |  | 11/08/2018 12:37 | RLD | EPA 8260C |
| 1,1-Dichloroethene        | <0.060 | ug/L | 0.060 | 0.20  | 1 |  |  | 11/08/2018 12:37 | RLD | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis



CT LAB Sample#: 204701 Sample Description: P-107D

License/Well #: 00467/119 Sampled: 10/31/2018 1125

| Analyte                     | Result | Units | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time   | Analysis Date/Time | Analyst | Method    |
|-----------------------------|--------|-------|-------|-------|----------|-----------|------------------|--------------------|---------|-----------|
| 1,1-Dichloropropene         | <0.060 | ug/L  | 0.060 | 0.19  | 1        | Q         | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 1,2,3-Trichlorobenzene      | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 1,2,3-Trichloropropane      | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 1,2,4-Trichlorobenzene      | <0.040 | ug/L  | 0.040 | 0.12  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 1,2,4-Trimethylbenzene      | <0.040 | ug/L  | 0.040 | 0.12  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane | <0.090 | ug/L  | 0.090 | 0.29  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 1,2-Dibromoethane           | <0.070 | ug/L  | 0.070 | 0.23  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 1,2-Dichlorobenzene         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 1,2-Dichloroethane          | <0.050 | ug/L  | 0.050 | 0.18  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 1,2-Dichloropropane         | <0.070 | ug/L  | 0.070 | 0.23  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene      | <0.050 | ug/L  | 0.050 | 0.16  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 1,3-Dichlorobenzene         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 1,3-Dichloropropane         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 1,4-Dichlorobenzene         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 1,4-Dioxane                 | <7.0   | ug/L  | 7.0   | 23    | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 2,2-Dichloropropane         | <0.050 | ug/L  | 0.050 | 0.15  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 2-Butanone                  | <0.50  | ug/L  | 0.50  | 1.5   | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 2-Chlorotoluene             | <0.030 | ug/L  | 0.030 | 0.11  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 2-Hexanone                  | <0.24  | ug/L  | 0.24  | 0.81  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 4-Chlorotoluene             | <0.040 | ug/L  | 0.040 | 0.12  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| 4-Methyl-2-pentanone        | <0.24  | ug/L  | 0.24  | 0.82  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| Acetone                     | <0.30  | ug/L  | 0.30  | 1.0   | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| Benzene                     | <0.018 | ug/L  | 0.018 | 0.059 | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| Bromobenzene                | <0.040 | ug/L  | 0.040 | 0.15  | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |
| Bromochloromethane          | <0.030 | ug/L  | 0.030 | 0.099 | 1        |           | 11/08/2018 12:37 | 11/08/2018 12:37   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204701 Sample Description: P-107D

License/Well #: 00467/119 Sampled: 10/31/2018 1125

| Analyte                 | Result      | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------|-------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Bromodichloromethane    | <0.016      | ug/L  | 0.016   | 0.054 | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Bromoform               | <0.040      | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Bromomethane            | <0.080      | ug/L  | 0.080   | 0.28  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Carbon disulfide        | <0.070      | ug/L  | 0.070   | 0.25  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Carbon tetrachloride    | <0.050      | ug/L  | 0.050   | 0.18  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Chlorobenzene           | <0.040      | ug/L  | 0.040   | 0.15  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Chloroethane            | <b>2.0</b>  | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Chloroform              | <0.030      | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Chloromethane           | <b>0.12</b> | ug/L  | 0.040 * | 0.13  | 1        | B         | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <b>2.6</b>  | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene | <0.011      | ug/L  | 0.011   | 0.038 | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Dibromochloromethane    | <0.030      | ug/L  | 0.030   | 0.10  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Dibromomethane          | <0.050      | ug/L  | 0.050   | 0.17  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Dichlorodifluoromethane | <0.060      | ug/L  | 0.060   | 0.19  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Diisopropyl ether       | <0.040      | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Ethylbenzene            | <0.040      | ug/L  | 0.040   | 0.15  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Hexachlorobutadiene     | <0.050      | ug/L  | 0.050   | 0.16  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Isopropylbenzene        | <0.040      | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| m & p-Xylene            | <0.070      | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Methyl tert-butyl ether | <0.040      | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Methylene chloride      | <0.050      | ug/L  | 0.050   | 0.16  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| n-Butylbenzene          | <0.030      | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| n-Propylbenzene         | <0.040      | ug/L  | 0.040   | 0.13  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| Naphthalene             | <0.030      | ug/L  | 0.030   | 0.10  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |
| o-Xylene                | <0.040      | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 12:37              | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204701 Sample Description: P-107D

License/Well #: 00467/119 Sampled: 10/31/2018 1125

| Analyte                   | Result      | Units | LOD    | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---------------------------|-------------|-------|--------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| p-Isopropyltoluene        | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           |                | 11/08/2018 12:37   | RLD     | EPA 8260C |
| sec-Butylbenzene          | <0.050      | ug/L  | 0.050  | 0.16  | 1        |           |                | 11/08/2018 12:37   | RLD     | EPA 8260C |
| Styrene                   | <0.030      | ug/L  | 0.030  | 0.11  | 1        |           |                | 11/08/2018 12:37   | RLD     | EPA 8260C |
| tert-Butylbenzene         | <0.040      | ug/L  | 0.040  | 0.14  | 1        |           |                | 11/08/2018 12:37   | RLD     | EPA 8260C |
| Tetrachloroethene         | <0.050      | ug/L  | 0.050  | 0.18  | 1        |           |                | 11/08/2018 12:37   | RLD     | EPA 8260C |
| Tetrahydrofuran           | <b>0.96</b> | ug/L  | 0.40 * | 1.5   | 1        |           |                | 11/08/2018 12:37   | RLD     | EPA 8260C |
| Toluene                   | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           |                | 11/08/2018 12:37   | RLD     | EPA 8260C |
| trans-1,2-Dichloroethene  | <0.040      | ug/L  | 0.040  | 0.14  | 1        |           |                | 11/08/2018 12:37   | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene | <0.019      | ug/L  | 0.019  | 0.063 | 1        |           |                | 11/08/2018 12:37   | RLD     | EPA 8260C |
| Trichloroethene           | <b>0.18</b> | ug/L  | 0.050  | 0.17  | 1        |           |                | 11/08/2018 12:37   | RLD     | EPA 8260C |
| Trichlorofluoromethane    | <0.090      | ug/L  | 0.090  | 0.14  | 1        |           |                | 11/08/2018 12:37   | RLD     | EPA 8260C |
| Vinyl acetate             | <0.22       | ug/L  | 0.22   | 0.73  | 1        |           |                | 11/08/2018 12:37   | RLD     | EPA 8260C |
| Vinyl chloride            | <b>6.5</b>  | ug/L  | 0.019  | 0.064 | 1        |           |                | 11/08/2018 12:37   | RLD     | EPA 8260C |
| Total Xylene              | <0.040      | ug/L  | 0.040  | 0.14  | 1        |           |                | 11/08/2018 12:37   | RLD     | EPA 8260C |

CT LAB Sample#: 204702 Sample Description: P-111D

License/Well #: 00467/130 Sampled: 10/31/2018 1155

| Analyte                      | Result       | Units    | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|------------------------------|--------------|----------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|
| <b>Field Results</b>         |              |          |     |     |          |           |                |                    |         |        |
| Dissolved Oxygen (Field)     | <b>0.53</b>  | mg/L     | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| Depth to Groundwater (Field) | <b>34.27</b> | Feet     | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| OX/REDOX (Field)             | <b>-101</b>  | MV       | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| Color (Field)                | <b>CLEAR</b> |          | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| Conductivity (Field)         | <b>813</b>   | umhos/cm | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204702 Sample Description: P-111D

License/Well #: 00467/130 Sampled: 10/31/2018 1155

| Analyte                       | Result        | Units    | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------------|---------------|----------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Groundwater Elevation (Field) | <b>821.29</b> | Feet MSL | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Odor (Field)                  | <b>NONE</b>   |          | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| pH (Field)                    | <b>7.51</b>   | S.U.     | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Temperature (Field)           | <b>9.94</b>   | Deg. C   | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Turbidity (Field)             | <b>CLEAR</b>  |          | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| <b>Organic Results</b>        |               |          |       |       |          |           |                |                    |         |           |
| 1,1,1,2-Tetrachloroethane     | <0.040        | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,1,1-Trichloroethane         | <0.050        | ug/L     | 0.050 | 0.17  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,1,2,2-Tetrachloroethane     | <0.017        | ug/L     | 0.017 | 0.057 | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,1,2-Trichloroethane         | <0.050        | ug/L     | 0.050 | 0.16  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,1-Dichloroethane            | <0.060        | ug/L     | 0.060 | 0.19  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,1-Dichloroethene            | <0.060        | ug/L     | 0.060 | 0.20  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,1-Dichloropropene           | <0.060        | ug/L     | 0.060 | 0.19  | 1        | Q         |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,2,3-Trichlorobenzene        | <0.040        | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,2,3-Trichloropropane        | <0.040        | ug/L     | 0.040 | 0.14  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,2,4-Trichlorobenzene        | <0.040        | ug/L     | 0.040 | 0.12  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,2,4-Trimethylbenzene        | <0.040        | ug/L     | 0.040 | 0.12  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane   | <0.090        | ug/L     | 0.090 | 0.29  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,2-Dibromoethane             | <0.070        | ug/L     | 0.070 | 0.23  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,2-Dichlorobenzene           | <0.040        | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,2-Dichloroethane            | <0.050        | ug/L     | 0.050 | 0.18  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,2-Dichloropropane           | <0.070        | ug/L     | 0.070 | 0.23  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene        | <0.050        | ug/L     | 0.050 | 0.16  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,3-Dichlorobenzene           | <0.040        | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |
| 1,3-Dichloropropane           | <0.040        | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204702 Sample Description: P-111D

License/Well #: 00467/130 Sampled: 10/31/2018 1155

| Analyte                 | Result      | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------|-------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| 1,4-Dichlorobenzene     | <0.040      | ug/L  | 0.040   | 0.13  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| 1,4-Dioxane             | <7.0        | ug/L  | 7.0     | 23    | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| 2,2-Dichloropropane     | <0.050      | ug/L  | 0.050   | 0.15  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| 2-Butanone              | <0.50       | ug/L  | 0.50    | 1.5   | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| 2-Chlorotoluene         | <0.030      | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| 2-Hexanone              | <0.24       | ug/L  | 0.24    | 0.81  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| 4-Chlorotoluene         | <0.040      | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| 4-Methyl-2-pentanone    | <0.24       | ug/L  | 0.24    | 0.82  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Acetone                 | <b>0.46</b> | ug/L  | 0.30 *  | 1.0   | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Benzene                 | <0.018      | ug/L  | 0.018   | 0.059 | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Bromobenzene            | <0.040      | ug/L  | 0.040   | 0.15  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Bromochloromethane      | <0.030      | ug/L  | 0.030   | 0.099 | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Bromodichloromethane    | <0.016      | ug/L  | 0.016   | 0.054 | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Bromoform               | <0.040      | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Bromomethane            | <0.080      | ug/L  | 0.080   | 0.28  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Carbon disulfide        | <0.070      | ug/L  | 0.070   | 0.25  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Carbon tetrachloride    | <0.050      | ug/L  | 0.050   | 0.18  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Chlorobenzene           | <0.040      | ug/L  | 0.040   | 0.15  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Chloroethane            | <b>0.99</b> | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Chloroform              | <0.030      | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Chloromethane           | <b>0.11</b> | ug/L  | 0.040 * | 0.13  | 1        | B         | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <b>2.9</b>  | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene | <0.011      | ug/L  | 0.011   | 0.038 | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Dibromochloromethane    | <0.030      | ug/L  | 0.030   | 0.10  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Dibromomethane          | <0.050      | ug/L  | 0.050   | 0.17  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204702 Sample Description: P-111D

License/Well #: 00467/130 Sampled: 10/31/2018 1155

| Analyte                   | Result     | Units | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---------------------------|------------|-------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Dichlorodifluoromethane   | <0.060     | ug/L  | 0.060 | 0.19  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Diisopropyl ether         | <0.040     | ug/L  | 0.040 | 0.14  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Ethylbenzene              | <0.040     | ug/L  | 0.040 | 0.15  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Hexachlorobutadiene       | <0.050     | ug/L  | 0.050 | 0.16  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Isopropylbenzene          | <0.040     | ug/L  | 0.040 | 0.12  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| m & p-Xylene              | <0.070     | ug/L  | 0.070 | 0.23  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Methyl tert-butyl ether   | <0.040     | ug/L  | 0.040 | 0.12  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Methylene chloride        | <0.050     | ug/L  | 0.050 | 0.16  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| n-Butylbenzene            | <0.030     | ug/L  | 0.030 | 0.11  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| n-Propylbenzene           | <0.040     | ug/L  | 0.040 | 0.13  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Naphthalene               | <0.030     | ug/L  | 0.030 | 0.10  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| o-Xylene                  | <0.040     | ug/L  | 0.040 | 0.14  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| p-Isopropyltoluene        | <0.040     | ug/L  | 0.040 | 0.13  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| sec-Butylbenzene          | <0.050     | ug/L  | 0.050 | 0.16  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Styrene                   | <0.030     | ug/L  | 0.030 | 0.11  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| tert-Butylbenzene         | <0.040     | ug/L  | 0.040 | 0.14  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Tetrachloroethene         | <0.050     | ug/L  | 0.050 | 0.18  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Tetrahydrofuran           | <0.40      | ug/L  | 0.40  | 1.5   | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Toluene                   | <0.040     | ug/L  | 0.040 | 0.13  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| trans-1,2-Dichloroethene  | <0.040     | ug/L  | 0.040 | 0.14  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene | <0.019     | ug/L  | 0.019 | 0.063 | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Trichloroethene           | <0.050     | ug/L  | 0.050 | 0.17  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Trichlorofluoromethane    | <0.090     | ug/L  | 0.090 | 0.14  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Vinyl acetate             | <0.22      | ug/L  | 0.22  | 0.73  | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |
| Vinyl chloride            | <b>4.6</b> | ug/L  | 0.019 | 0.064 | 1        |           | 11/08/2018     | 13:05              | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204702 Sample Description: P-111D License/Well #: 00467/130 Sampled: 10/31/2018 1155

| Analyte      | Result | Units | LOD   | LOQ  | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|--------------|--------|-------|-------|------|----------|-----------|----------------|--------------------|---------|-----------|
| Total Xylene | <0.040 | ug/L  | 0.040 | 0.14 | 1        |           |                | 11/08/2018 13:05   | RLD     | EPA 8260C |

CT LAB Sample#: 204703 Sample Description: MW-3A License/Well #: 00467/133 Sampled: 10/31/2018 1225

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|

**Field Results**

|                               |               |          |     |     |   |  |  |                  |     |       |
|-------------------------------|---------------|----------|-----|-----|---|--|--|------------------|-----|-------|
| Dissolved Oxygen (Field)      | <b>0.37</b>   | mg/L     | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Depth to Groundwater (Field)  | <b>31.09</b>  | Feet     | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| OX/REDOX (Field)              | <b>-114</b>   | MV       | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Color (Field)                 | <b>CLEAR</b>  |          | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Conductivity (Field)          | <b>528</b>    | umhos/cm | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Groundwater Elevation (Field) | <b>819.51</b> | Feet MSL | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Odor (Field)                  | <b>WEAK</b>   |          | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| pH (Field)                    | <b>7.58</b>   | S.U.     | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Temperature (Field)           | <b>9.89</b>   | Deg. C   | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |
| Turbidity (Field)             | <b>CLEAR</b>  |          | N/A | N/A | 1 |  |  | 10/31/2018 00:00 | SUB | FIELD |

**Organic Results**

|                           |        |      |       |       |   |   |  |                  |     |           |
|---------------------------|--------|------|-------|-------|---|---|--|------------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane | <0.040 | ug/L | 0.040 | 0.13  | 1 |   |  | 11/08/2018 13:34 | RLD | EPA 8260C |
| 1,1,1-Trichloroethane     | <0.050 | ug/L | 0.050 | 0.17  | 1 |   |  | 11/08/2018 13:34 | RLD | EPA 8260C |
| 1,1,2,2-Tetrachloroethane | <0.017 | ug/L | 0.017 | 0.057 | 1 |   |  | 11/08/2018 13:34 | RLD | EPA 8260C |
| 1,1,2-Trichloroethane     | <0.050 | ug/L | 0.050 | 0.16  | 1 |   |  | 11/08/2018 13:34 | RLD | EPA 8260C |
| 1,1-Dichloroethane        | <0.060 | ug/L | 0.060 | 0.19  | 1 |   |  | 11/08/2018 13:34 | RLD | EPA 8260C |
| 1,1-Dichloroethene        | <0.060 | ug/L | 0.060 | 0.20  | 1 |   |  | 11/08/2018 13:34 | RLD | EPA 8260C |
| 1,1-Dichloropropene       | <0.060 | ug/L | 0.060 | 0.19  | 1 | Q |  | 11/08/2018 13:34 | RLD | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204703 Sample Description: MW-3A

License/Well #: 00467/133 Sampled: 10/31/2018 1225

| Analyte                     | Result | Units | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-----------------------------|--------|-------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| 1,2,3-Trichlorobenzene      | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 1,2,3-Trichloropropane      | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 1,2,4-Trichlorobenzene      | <0.040 | ug/L  | 0.040 | 0.12  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 1,2,4-Trimethylbenzene      | <0.040 | ug/L  | 0.040 | 0.12  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane | <0.090 | ug/L  | 0.090 | 0.29  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 1,2-Dibromoethane           | <0.070 | ug/L  | 0.070 | 0.23  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 1,2-Dichlorobenzene         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 1,2-Dichloroethane          | <0.050 | ug/L  | 0.050 | 0.18  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 1,2-Dichloropropane         | <0.070 | ug/L  | 0.070 | 0.23  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene      | <0.050 | ug/L  | 0.050 | 0.16  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 1,3-Dichlorobenzene         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 1,3-Dichloropropane         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 1,4-Dichlorobenzene         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 1,4-Dioxane                 | <7.0   | ug/L  | 7.0   | 23    | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 2,2-Dichloropropane         | <0.050 | ug/L  | 0.050 | 0.15  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 2-Butanone                  | <0.50  | ug/L  | 0.50  | 1.5   | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 2-Chlorotoluene             | <0.030 | ug/L  | 0.030 | 0.11  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 2-Hexanone                  | <0.24  | ug/L  | 0.24  | 0.81  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 4-Chlorotoluene             | <0.040 | ug/L  | 0.040 | 0.12  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| 4-Methyl-2-pentanone        | <0.24  | ug/L  | 0.24  | 0.82  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Acetone                     | <0.30  | ug/L  | 0.30  | 1.0   | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Benzene                     | <0.018 | ug/L  | 0.018 | 0.059 | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Bromobenzene                | <0.040 | ug/L  | 0.040 | 0.15  | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Bromochloromethane          | <0.030 | ug/L  | 0.030 | 0.099 | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Bromodichloromethane        | <0.016 | ug/L  | 0.016 | 0.054 | 1        |           |                | 11/08/2018 13:34   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis



CT LAB Sample#: 204703 Sample Description: MW-3A

License/Well #: 00467/133 Sampled: 10/31/2018 1225

| Analyte                 | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time   | Analysis Date/Time | Analyst | Method    |
|-------------------------|--------------|-------|---------|-------|----------|-----------|------------------|--------------------|---------|-----------|
| Bromoform               | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Bromomethane            | <0.080       | ug/L  | 0.080   | 0.28  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Carbon disulfide        | <0.070       | ug/L  | 0.070   | 0.25  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Carbon tetrachloride    | <0.050       | ug/L  | 0.050   | 0.18  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Chlorobenzene           | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Chloroethane            | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Chloroform              | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Chloromethane           | <b>0.058</b> | ug/L  | 0.040 * | 0.13  | 1        | B         | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene | <0.011       | ug/L  | 0.011   | 0.038 | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Dibromochloromethane    | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Dibromomethane          | <0.050       | ug/L  | 0.050   | 0.17  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Dichlorodifluoromethane | <0.060       | ug/L  | 0.060   | 0.19  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Diisopropyl ether       | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Ethylbenzene            | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Hexachlorobutadiene     | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Isopropylbenzene        | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| m & p-Xylene            | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Methyl tert-butyl ether | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Methylene chloride      | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| n-Butylbenzene          | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| n-Propylbenzene         | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| Naphthalene             | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| o-Xylene                | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |
| p-Isopropyltoluene      | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           | 11/08/2018 13:34 | 11/08/2018 13:34   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204703 Sample Description: MW-3A

License/Well #: 00467/133 Sampled: 10/31/2018 1225

| Analyte                   | Result | Units | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---------------------------|--------|-------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| sec-Butylbenzene          | <0.050 | ug/L  | 0.050 | 0.16  | 1        |           | 11/08/2018     | 13:34              | RLD     | EPA 8260C |
| Styrene                   | <0.030 | ug/L  | 0.030 | 0.11  | 1        |           | 11/08/2018     | 13:34              | RLD     | EPA 8260C |
| tert-Butylbenzene         | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           | 11/08/2018     | 13:34              | RLD     | EPA 8260C |
| Tetrachloroethene         | <0.050 | ug/L  | 0.050 | 0.18  | 1        |           | 11/08/2018     | 13:34              | RLD     | EPA 8260C |
| Tetrahydrofuran           | <0.40  | ug/L  | 0.40  | 1.5   | 1        |           | 11/08/2018     | 13:34              | RLD     | EPA 8260C |
| Toluene                   | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/08/2018     | 13:34              | RLD     | EPA 8260C |
| trans-1,2-Dichloroethene  | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           | 11/08/2018     | 13:34              | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene | <0.019 | ug/L  | 0.019 | 0.063 | 1        |           | 11/08/2018     | 13:34              | RLD     | EPA 8260C |
| Trichloroethene           | <0.050 | ug/L  | 0.050 | 0.17  | 1        |           | 11/08/2018     | 13:34              | RLD     | EPA 8260C |
| Trichlorofluoromethane    | <0.090 | ug/L  | 0.090 | 0.14  | 1        |           | 11/08/2018     | 13:34              | RLD     | EPA 8260C |
| Vinyl acetate             | <0.22  | ug/L  | 0.22  | 0.73  | 1        |           | 11/08/2018     | 13:34              | RLD     | EPA 8260C |
| Vinyl chloride            | <0.019 | ug/L  | 0.019 | 0.064 | 1        |           | 11/08/2018     | 13:34              | RLD     | EPA 8260C |
| Total Xylene              | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           | 11/08/2018     | 13:34              | RLD     | EPA 8260C |

CT LAB Sample#: 204704 Sample Description: MW-3B

License/Well #: 00467/134 Sampled: 10/31/2018 1245

| Analyte                       | Result        | Units    | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|-------------------------------|---------------|----------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|
| <b>Field Results</b>          |               |          |     |     |          |           |                |                    |         |        |
| Dissolved Oxygen (Field)      | <b>0.29</b>   | mg/L     | N/A | N/A | 1        |           | 10/31/2018     | 00:00              | SUB     | FIELD  |
| Depth to Groundwater (Field)  | <b>29.45</b>  | Feet     | N/A | N/A | 1        |           | 10/31/2018     | 00:00              | SUB     | FIELD  |
| OX/REDOX (Field)              | <b>-219</b>   | MV       | N/A | N/A | 1        |           | 10/31/2018     | 00:00              | SUB     | FIELD  |
| Color (Field)                 | <b>CLEAR</b>  |          | N/A | N/A | 1        |           | 10/31/2018     | 00:00              | SUB     | FIELD  |
| Conductivity (Field)          | <b>662</b>    | umhos/cm | N/A | N/A | 1        |           | 10/31/2018     | 00:00              | SUB     | FIELD  |
| Groundwater Elevation (Field) | <b>821.44</b> | Feet MSL | N/A | N/A | 1        |           | 10/31/2018     | 00:00              | SUB     | FIELD  |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204704 Sample Description: MW-3B

License/Well #: 00467/134 Sampled: 10/31/2018 1245

| Analyte                     | Result       | Units  | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-----------------------------|--------------|--------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Odor (Field)                | <b>SOME</b>  |        | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| pH (Field)                  | <b>7.94</b>  | S.U.   | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Temperature (Field)         | <b>9.72</b>  | Deg. C | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Turbidity (Field)           | <b>CLEAR</b> |        | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| <b>Organic Results</b>      |              |        |       |       |          |           |                |                    |         |           |
| 1,1,1,2-Tetrachloroethane   | <0.040       | ug/L   | 0.040 | 0.13  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,1,1-Trichloroethane       | <0.050       | ug/L   | 0.050 | 0.17  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,1,2,2-Tetrachloroethane   | <0.017       | ug/L   | 0.017 | 0.057 | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,1,2-Trichloroethane       | <0.050       | ug/L   | 0.050 | 0.16  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,1-Dichloroethane          | <0.060       | ug/L   | 0.060 | 0.19  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,1-Dichloroethene          | <0.060       | ug/L   | 0.060 | 0.20  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,1-Dichloropropene         | <0.060       | ug/L   | 0.060 | 0.19  | 1        | Q         |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,2,3-Trichlorobenzene      | <0.040       | ug/L   | 0.040 | 0.13  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,2,3-Trichloropropane      | <0.040       | ug/L   | 0.040 | 0.14  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,2,4-Trichlorobenzene      | <0.040       | ug/L   | 0.040 | 0.12  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,2,4-Trimethylbenzene      | <0.040       | ug/L   | 0.040 | 0.12  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane | <0.090       | ug/L   | 0.090 | 0.29  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,2-Dibromoethane           | <0.070       | ug/L   | 0.070 | 0.23  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,2-Dichlorobenzene         | <0.040       | ug/L   | 0.040 | 0.13  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,2-Dichloroethane          | <0.050       | ug/L   | 0.050 | 0.18  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,2-Dichloropropane         | <0.070       | ug/L   | 0.070 | 0.23  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene      | <0.050       | ug/L   | 0.050 | 0.16  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,3-Dichlorobenzene         | <0.040       | ug/L   | 0.040 | 0.13  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,3-Dichloropropane         | <0.040       | ug/L   | 0.040 | 0.13  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |
| 1,4-Dichlorobenzene         | <0.040       | ug/L   | 0.040 | 0.13  | 1        |           |                | 11/08/2018 14:02   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204704 Sample Description: MW-3B

License/Well #: 00467/134 Sampled: 10/31/2018 1245

| Analyte                 | Result      | Units | LOD    | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------|-------------|-------|--------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| 1,4-Dioxane             | <7.0        | ug/L  | 7.0    | 23    | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| 2,2-Dichloropropane     | <0.050      | ug/L  | 0.050  | 0.15  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| 2-Butanone              | <0.50       | ug/L  | 0.50   | 1.5   | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| 2-Chlorotoluene         | <0.030      | ug/L  | 0.030  | 0.11  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| 2-Hexanone              | <0.24       | ug/L  | 0.24   | 0.81  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| 4-Chlorotoluene         | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| 4-Methyl-2-pentanone    | <0.24       | ug/L  | 0.24   | 0.82  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Acetone                 | <b>0.58</b> | ug/L  | 0.30 * | 1.0   | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Benzene                 | <0.018      | ug/L  | 0.018  | 0.059 | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Bromobenzene            | <0.040      | ug/L  | 0.040  | 0.15  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Bromochloromethane      | <0.030      | ug/L  | 0.030  | 0.099 | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Bromodichloromethane    | <0.016      | ug/L  | 0.016  | 0.054 | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Bromoform               | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Bromomethane            | <0.080      | ug/L  | 0.080  | 0.28  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Carbon disulfide        | <0.070      | ug/L  | 0.070  | 0.25  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Carbon tetrachloride    | <0.050      | ug/L  | 0.050  | 0.18  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Chlorobenzene           | <0.040      | ug/L  | 0.040  | 0.15  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Chloroethane            | <0.070      | ug/L  | 0.070  | 0.23  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Chloroform              | <0.030      | ug/L  | 0.030  | 0.11  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Chloromethane           | <b>0.17</b> | ug/L  | 0.040  | 0.13  | 1        | B         | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <0.070      | ug/L  | 0.070  | 0.23  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene | <0.011      | ug/L  | 0.011  | 0.038 | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Dibromochloromethane    | <0.030      | ug/L  | 0.030  | 0.10  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Dibromomethane          | <0.050      | ug/L  | 0.050  | 0.17  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Dichlorodifluoromethane | <0.060      | ug/L  | 0.060  | 0.19  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204704 Sample Description: MW-3B

License/Well #: 00467/134 Sampled: 10/31/2018 1245

| Analyte                   | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---------------------------|--------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Diisopropyl ether         | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Ethylbenzene              | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Hexachlorobutadiene       | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Isopropylbenzene          | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| m & p-Xylene              | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Methyl tert-butyl ether   | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Methylene chloride        | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| n-Butylbenzene            | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| n-Propylbenzene           | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Naphthalene               | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| o-Xylene                  | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| p-Isopropyltoluene        | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| sec-Butylbenzene          | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Styrene                   | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| tert-Butylbenzene         | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Tetrachloroethene         | <0.050       | ug/L  | 0.050   | 0.18  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Tetrahydrofuran           | <0.40        | ug/L  | 0.40    | 1.5   | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Toluene                   | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| trans-1,2-Dichloroethene  | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene | <0.019       | ug/L  | 0.019   | 0.063 | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Trichloroethene           | <0.050       | ug/L  | 0.050   | 0.17  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Trichlorofluoromethane    | <0.090       | ug/L  | 0.090   | 0.14  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Vinyl acetate             | <0.22        | ug/L  | 0.22    | 0.73  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Vinyl chloride            | <b>0.053</b> | ug/L  | 0.019 * | 0.064 | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |
| Total Xylene              | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 14:02              | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

|                        |                           |                           |                          |
|------------------------|---------------------------|---------------------------|--------------------------|
| CT LAB Sample#: 204704 | Sample Description: MW-3B | License/Well #: 00467/134 | Sampled: 10/31/2018 1245 |
|------------------------|---------------------------|---------------------------|--------------------------|

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|

|                        |                           |                           |                          |
|------------------------|---------------------------|---------------------------|--------------------------|
| CT LAB Sample#: 204705 | Sample Description: P-117 | License/Well #: 00467/144 | Sampled: 10/31/2018 1310 |
|------------------------|---------------------------|---------------------------|--------------------------|

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|

**Field Results**

|                               |               |          |     |     |   |  |                  |                  |     |       |
|-------------------------------|---------------|----------|-----|-----|---|--|------------------|------------------|-----|-------|
| Dissolved Oxygen (Field)      | <b>0.29</b>   | mg/L     | N/A | N/A | 1 |  | 10/31/2018 00:00 | 10/31/2018 00:00 | SUB | FIELD |
| Depth to Groundwater (Field)  | <b>14.81</b>  | Feet     | N/A | N/A | 1 |  | 10/31/2018 00:00 | 10/31/2018 00:00 | SUB | FIELD |
| OX/REDOX (Field)              | <b>-124</b>   | MV       | N/A | N/A | 1 |  | 10/31/2018 00:00 | 10/31/2018 00:00 | SUB | FIELD |
| Color (Field)                 | <b>CLEAR</b>  |          | N/A | N/A | 1 |  | 10/31/2018 00:00 | 10/31/2018 00:00 | SUB | FIELD |
| Conductivity (Field)          | <b>720</b>    | umhos/cm | N/A | N/A | 1 |  | 10/31/2018 00:00 | 10/31/2018 00:00 | SUB | FIELD |
| Groundwater Elevation (Field) | <b>819.15</b> | Feet MSL | N/A | N/A | 1 |  | 10/31/2018 00:00 | 10/31/2018 00:00 | SUB | FIELD |
| Odor (Field)                  | <b>NONE</b>   |          | N/A | N/A | 1 |  | 10/31/2018 00:00 | 10/31/2018 00:00 | SUB | FIELD |
| pH (Field)                    | <b>7.48</b>   | S.U.     | N/A | N/A | 1 |  | 10/31/2018 00:00 | 10/31/2018 00:00 | SUB | FIELD |
| Temperature (Field)           | <b>10.54</b>  | Deg. C   | N/A | N/A | 1 |  | 10/31/2018 00:00 | 10/31/2018 00:00 | SUB | FIELD |
| Turbidity (Field)             | <b>CLEAR</b>  |          | N/A | N/A | 1 |  | 10/31/2018 00:00 | 10/31/2018 00:00 | SUB | FIELD |

**Organic Results**

|                           |        |      |       |       |   |   |                  |                  |     |           |
|---------------------------|--------|------|-------|-------|---|---|------------------|------------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane | <0.040 | ug/L | 0.040 | 0.13  | 1 |   | 11/08/2018 14:31 | 11/08/2018 14:31 | RLD | EPA 8260C |
| 1,1,1-Trichloroethane     | <0.050 | ug/L | 0.050 | 0.17  | 1 |   | 11/08/2018 14:31 | 11/08/2018 14:31 | RLD | EPA 8260C |
| 1,1,2,2-Tetrachloroethane | <0.017 | ug/L | 0.017 | 0.057 | 1 |   | 11/08/2018 14:31 | 11/08/2018 14:31 | RLD | EPA 8260C |
| 1,1,2-Trichloroethane     | <0.050 | ug/L | 0.050 | 0.16  | 1 |   | 11/08/2018 14:31 | 11/08/2018 14:31 | RLD | EPA 8260C |
| 1,1-Dichloroethane        | <0.060 | ug/L | 0.060 | 0.19  | 1 |   | 11/08/2018 14:31 | 11/08/2018 14:31 | RLD | EPA 8260C |
| 1,1-Dichloroethene        | <0.060 | ug/L | 0.060 | 0.20  | 1 |   | 11/08/2018 14:31 | 11/08/2018 14:31 | RLD | EPA 8260C |
| 1,1-Dichloropropene       | <0.060 | ug/L | 0.060 | 0.19  | 1 | Q | 11/08/2018 14:31 | 11/08/2018 14:31 | RLD | EPA 8260C |
| 1,2,3-Trichlorobenzene    | <0.040 | ug/L | 0.040 | 0.13  | 1 |   | 11/08/2018 14:31 | 11/08/2018 14:31 | RLD | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204705 Sample Description: P-117

License/Well #: 00467/144 Sampled: 10/31/2018 1310

| Analyte                     | Result      | Units | LOD    | LOQ   | Dilution | Qualifier | Prep Date/Time   | Analysis Date/Time | Analyst | Method    |
|-----------------------------|-------------|-------|--------|-------|----------|-----------|------------------|--------------------|---------|-----------|
| 1,2,3-Trichloropropane      | <0.040      | ug/L  | 0.040  | 0.14  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 1,2,4-Trichlorobenzene      | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 1,2,4-Trimethylbenzene      | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane | <0.090      | ug/L  | 0.090  | 0.29  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 1,2-Dibromoethane           | <0.070      | ug/L  | 0.070  | 0.23  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 1,2-Dichlorobenzene         | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 1,2-Dichloroethane          | <0.050      | ug/L  | 0.050  | 0.18  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 1,2-Dichloropropane         | <0.070      | ug/L  | 0.070  | 0.23  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene      | <0.050      | ug/L  | 0.050  | 0.16  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 1,3-Dichlorobenzene         | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 1,3-Dichloropropane         | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 1,4-Dichlorobenzene         | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 1,4-Dioxane                 | <7.0        | ug/L  | 7.0    | 23    | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 2,2-Dichloropropane         | <0.050      | ug/L  | 0.050  | 0.15  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 2-Butanone                  | <0.50       | ug/L  | 0.50   | 1.5   | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 2-Chlorotoluene             | <0.030      | ug/L  | 0.030  | 0.11  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 2-Hexanone                  | <0.24       | ug/L  | 0.24   | 0.81  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 4-Chlorotoluene             | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| 4-Methyl-2-pentanone        | <0.24       | ug/L  | 0.24   | 0.82  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Acetone                     | <b>0.33</b> | ug/L  | 0.30 * | 1.0   | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Benzene                     | <0.018      | ug/L  | 0.018  | 0.059 | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Bromobenzene                | <0.040      | ug/L  | 0.040  | 0.15  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Bromochloromethane          | <0.030      | ug/L  | 0.030  | 0.099 | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Bromodichloromethane        | <0.016      | ug/L  | 0.016  | 0.054 | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Bromoform                   | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           | 11/08/2018 14:31 | 11/08/2018 14:31   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204705 Sample Description: P-117

License/Well #: 00467/144 Sampled: 10/31/2018 1310

| Analyte                 | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------|--------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Bromomethane            | <0.080       | ug/L  | 0.080   | 0.28  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Carbon disulfide        | <0.070       | ug/L  | 0.070   | 0.25  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Carbon tetrachloride    | <0.050       | ug/L  | 0.050   | 0.18  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Chlorobenzene           | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Chloroethane            | <b>0.36</b>  | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Chloroform              | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Chloromethane           | <b>0.065</b> | ug/L  | 0.040 * | 0.13  | 1        | B         |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <b>0.86</b>  | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene | <0.011       | ug/L  | 0.011   | 0.038 | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Dibromochloromethane    | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Dibromomethane          | <0.050       | ug/L  | 0.050   | 0.17  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Dichlorodifluoromethane | <0.060       | ug/L  | 0.060   | 0.19  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Diisopropyl ether       | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Ethylbenzene            | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Hexachlorobutadiene     | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Isopropylbenzene        | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| m & p-Xylene            | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Methyl tert-butyl ether | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Methylene chloride      | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| n-Butylbenzene          | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| n-Propylbenzene         | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Naphthalene             | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| o-Xylene                | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| p-Isopropyltoluene      | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| sec-Butylbenzene        | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis



CT LAB Sample#: 204705 Sample Description: P-117 License/Well #: 00467/144 Sampled: 10/31/2018 1310

| Analyte                   | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---------------------------|--------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Styrene                   | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| tert-Butylbenzene         | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Tetrachloroethene         | <0.050       | ug/L  | 0.050   | 0.18  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Tetrahydrofuran           | <0.40        | ug/L  | 0.40    | 1.5   | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Toluene                   | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| trans-1,2-Dichloroethene  | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene | <0.019       | ug/L  | 0.019   | 0.063 | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Trichloroethene           | <b>0.076</b> | ug/L  | 0.050 * | 0.17  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Trichlorofluoromethane    | <0.090       | ug/L  | 0.090   | 0.14  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Vinyl acetate             | <0.22        | ug/L  | 0.22    | 0.73  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Vinyl chloride            | <b>1.3</b>   | ug/L  | 0.019   | 0.064 | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |
| Total Xylene              | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/08/2018 14:31   | RLD     | EPA 8260C |

CT LAB Sample#: 204706 Sample Description: P-118 License/Well #: 00467/145 Sampled: 10/31/2018 1335

| Analyte                       | Result        | Units    | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|-------------------------------|---------------|----------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|
| <b>Field Results</b>          |               |          |     |     |          |           |                |                    |         |        |
| Dissolved Oxygen (Field)      | <b>0.27</b>   | mg/L     | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| Depth to Groundwater (Field)  | <b>7.58</b>   | Feet     | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| OX/REDOX (Field)              | <b>-109</b>   | MV       | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| Color (Field)                 | <b>CLEAR</b>  |          | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| Conductivity (Field)          | <b>549</b>    | umhos/cm | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| Groundwater Elevation (Field) | <b>819.16</b> | Feet MSL | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| Odor (Field)                  | <b>NONE</b>   |          | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204706 Sample Description: P-118

License/Well #: 00467/145 Sampled: 10/31/2018 1335

| Analyte                     | Result | Units  | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-----------------------------|--------|--------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| pH (Field)                  | 7.67   | S.U.   | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Temperature (Field)         | 10.95  | Deg. C | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Turbidity (Field)           | CLEAR  |        | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| <b>Organic Results</b>      |        |        |       |       |          |           |                |                    |         |           |
| 1,1,1,2-Tetrachloroethane   | <0.040 | ug/L   | 0.040 | 0.13  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,1,1-Trichloroethane       | <0.050 | ug/L   | 0.050 | 0.17  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,1,2,2-Tetrachloroethane   | <0.017 | ug/L   | 0.017 | 0.057 | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,1,2-Trichloroethane       | <0.050 | ug/L   | 0.050 | 0.16  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,1-Dichloroethane          | <0.060 | ug/L   | 0.060 | 0.19  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,1-Dichloroethene          | <0.060 | ug/L   | 0.060 | 0.20  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,1-Dichloropropene         | <0.060 | ug/L   | 0.060 | 0.19  | 1        | Q         |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,2,3-Trichlorobenzene      | <0.040 | ug/L   | 0.040 | 0.13  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,2,3-Trichloropropane      | <0.040 | ug/L   | 0.040 | 0.14  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,2,4-Trichlorobenzene      | <0.040 | ug/L   | 0.040 | 0.12  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,2,4-Trimethylbenzene      | <0.040 | ug/L   | 0.040 | 0.12  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane | <0.090 | ug/L   | 0.090 | 0.29  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,2-Dibromoethane           | <0.070 | ug/L   | 0.070 | 0.23  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,2-Dichlorobenzene         | <0.040 | ug/L   | 0.040 | 0.13  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,2-Dichloroethane          | <0.050 | ug/L   | 0.050 | 0.18  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,2-Dichloropropane         | <0.070 | ug/L   | 0.070 | 0.23  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene      | <0.050 | ug/L   | 0.050 | 0.16  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,3-Dichlorobenzene         | <0.040 | ug/L   | 0.040 | 0.13  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,3-Dichloropropane         | <0.040 | ug/L   | 0.040 | 0.13  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,4-Dichlorobenzene         | <0.040 | ug/L   | 0.040 | 0.13  | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |
| 1,4-Dioxane                 | <7.0   | ug/L   | 7.0   | 23    | 1        |           |                | 11/08/2018 14:59   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204706 Sample Description: P-118

License/Well #: 00467/145 Sampled: 10/31/2018 1335

| Analyte                 | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------|--------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| 2,2-Dichloropropane     | <0.050       | ug/L  | 0.050   | 0.15  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| 2-Butanone              | <0.50        | ug/L  | 0.50    | 1.5   | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| 2-Chlorotoluene         | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| 2-Hexanone              | <0.24        | ug/L  | 0.24    | 0.81  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| 4-Chlorotoluene         | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| 4-Methyl-2-pentanone    | <0.24        | ug/L  | 0.24    | 0.82  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Acetone                 | <0.30        | ug/L  | 0.30    | 1.0   | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Benzene                 | <0.018       | ug/L  | 0.018   | 0.059 | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Bromobenzene            | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Bromochloromethane      | <0.030       | ug/L  | 0.030   | 0.099 | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Bromodichloromethane    | <0.016       | ug/L  | 0.016   | 0.054 | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Bromoform               | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Bromomethane            | <0.080       | ug/L  | 0.080   | 0.28  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Carbon disulfide        | <0.070       | ug/L  | 0.070   | 0.25  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Carbon tetrachloride    | <0.050       | ug/L  | 0.050   | 0.18  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Chlorobenzene           | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Chloroethane            | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Chloroform              | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Chloromethane           | <b>0.062</b> | ug/L  | 0.040 * | 0.13  | 1        | B         | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene | <0.011       | ug/L  | 0.011   | 0.038 | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Dibromochloromethane    | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Dibromomethane          | <0.050       | ug/L  | 0.050   | 0.17  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Dichlorodifluoromethane | <0.060       | ug/L  | 0.060   | 0.19  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Diisopropyl ether       | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204706 Sample Description: P-118

License/Well #: 00467/145 Sampled: 10/31/2018 1335

| Analyte                   | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---------------------------|--------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Ethylbenzene              | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Hexachlorobutadiene       | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Isopropylbenzene          | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| m & p-Xylene              | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Methyl tert-butyl ether   | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Methylene chloride        | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| n-Butylbenzene            | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| n-Propylbenzene           | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Naphthalene               | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| o-Xylene                  | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| p-Isopropyltoluene        | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| sec-Butylbenzene          | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Styrene                   | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| tert-Butylbenzene         | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Tetrachloroethene         | <0.050       | ug/L  | 0.050   | 0.18  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Tetrahydrofuran           | <0.40        | ug/L  | 0.40    | 1.5   | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Toluene                   | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| trans-1,2-Dichloroethene  | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene | <0.019       | ug/L  | 0.019   | 0.063 | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Trichloroethene           | <0.050       | ug/L  | 0.050   | 0.17  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Trichlorofluoromethane    | <0.090       | ug/L  | 0.090   | 0.14  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Vinyl acetate             | <0.22        | ug/L  | 0.22    | 0.73  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Vinyl chloride            | <b>0.036</b> | ug/L  | 0.019 * | 0.064 | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |
| Total Xylene              | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 14:59              | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204707 Sample Description: P-113A

License/Well #: 00467/136 Sampled: 10/31/2018 1405

| Analyte                       | Result | Units    | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------------|--------|----------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| <b>Field Results</b>          |        |          |       |       |          |           |                |                    |         |           |
| Dissolved Oxygen (Field)      | 1.8    | mg/L     | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Depth to Groundwater (Field)  | 13.09  | Feet     | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| OX/REDOX (Field)              | -111   | MV       | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Color (Field)                 | CLEAR  |          | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Conductivity (Field)          | 513    | umhos/cm | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Groundwater Elevation (Field) | 820.07 | Feet MSL | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Odor (Field)                  | NONE   |          | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| pH (Field)                    | 7.82   | S.U.     | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Temperature (Field)           | 14.56  | Deg. C   | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Turbidity (Field)             | CLEAR  |          | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| <b>Organic Results</b>        |        |          |       |       |          |           |                |                    |         |           |
| 1,1,1,2-Tetrachloroethane     | <0.040 | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,1,1-Trichloroethane         | <0.050 | ug/L     | 0.050 | 0.17  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,1,2,2-Tetrachloroethane     | <0.017 | ug/L     | 0.017 | 0.057 | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,1,2-Trichloroethane         | <0.050 | ug/L     | 0.050 | 0.16  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,1-Dichloroethane            | <0.060 | ug/L     | 0.060 | 0.19  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,1-Dichloroethene            | <0.060 | ug/L     | 0.060 | 0.20  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,1-Dichloropropene           | <0.060 | ug/L     | 0.060 | 0.19  | 1        | Q         |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,2,3-Trichlorobenzene        | <0.040 | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,2,3-Trichloropropane        | <0.040 | ug/L     | 0.040 | 0.14  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,2,4-Trichlorobenzene        | <0.040 | ug/L     | 0.040 | 0.12  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,2,4-Trimethylbenzene        | <0.040 | ug/L     | 0.040 | 0.12  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane   | <0.090 | ug/L     | 0.090 | 0.29  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204707 Sample Description: P-113A

License/Well #: 00467/136 Sampled: 10/31/2018 1405

| Analyte                | Result      | Units | LOD    | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|------------------------|-------------|-------|--------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| 1,2-Dibromoethane      | <0.070      | ug/L  | 0.070  | 0.23  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,2-Dichlorobenzene    | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,2-Dichloroethane     | <0.050      | ug/L  | 0.050  | 0.18  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,2-Dichloropropane    | <0.070      | ug/L  | 0.070  | 0.23  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene | <0.050      | ug/L  | 0.050  | 0.16  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,3-Dichlorobenzene    | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,3-Dichloropropane    | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,4-Dichlorobenzene    | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 1,4-Dioxane            | <7.0        | ug/L  | 7.0    | 23    | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 2,2-Dichloropropane    | <0.050      | ug/L  | 0.050  | 0.15  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 2-Butanone             | <0.50       | ug/L  | 0.50   | 1.5   | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 2-Chlorotoluene        | <0.030      | ug/L  | 0.030  | 0.11  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 2-Hexanone             | <0.24       | ug/L  | 0.24   | 0.81  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 4-Chlorotoluene        | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| 4-Methyl-2-pentanone   | <0.24       | ug/L  | 0.24   | 0.82  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Acetone                | <b>0.32</b> | ug/L  | 0.30 * | 1.0   | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Benzene                | <0.018      | ug/L  | 0.018  | 0.059 | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Bromobenzene           | <0.040      | ug/L  | 0.040  | 0.15  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Bromochloromethane     | <0.030      | ug/L  | 0.030  | 0.099 | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Bromodichloromethane   | <0.016      | ug/L  | 0.016  | 0.054 | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Bromoform              | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Bromomethane           | <0.080      | ug/L  | 0.080  | 0.28  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Carbon disulfide       | <0.070      | ug/L  | 0.070  | 0.25  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Carbon tetrachloride   | <0.050      | ug/L  | 0.050  | 0.18  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Chlorobenzene          | <0.040      | ug/L  | 0.040  | 0.15  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204707 Sample Description: P-113A

License/Well #: 00467/136 Sampled: 10/31/2018 1405

| Analyte                 | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------|--------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Chloroethane            | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Chloroform              | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Chloromethane           | <b>0.052</b> | ug/L  | 0.040 * | 0.13  | 1        | B         |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene | <0.011       | ug/L  | 0.011   | 0.038 | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Dibromochloromethane    | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Dibromomethane          | <0.050       | ug/L  | 0.050   | 0.17  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Dichlorodifluoromethane | <0.060       | ug/L  | 0.060   | 0.19  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Diisopropyl ether       | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Ethylbenzene            | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Hexachlorobutadiene     | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Isopropylbenzene        | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| m & p-Xylene            | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Methyl tert-butyl ether | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Methylene chloride      | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| n-Butylbenzene          | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| n-Propylbenzene         | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Naphthalene             | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| o-Xylene                | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| p-Isopropyltoluene      | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| sec-Butylbenzene        | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Styrene                 | <b>0.059</b> | ug/L  | 0.030 * | 0.11  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| tert-Butylbenzene       | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Tetrachloroethene       | <0.050       | ug/L  | 0.050   | 0.18  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Tetrahydrofuran         | <0.40        | ug/L  | 0.40    | 1.5   | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204707 Sample Description: P-113A

License/Well #: 00467/136 Sampled: 10/31/2018 1405

| Analyte                   | Result | Units | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---------------------------|--------|-------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Toluene                   | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| trans-1,2-Dichloroethene  | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene | <0.019 | ug/L  | 0.019 | 0.063 | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Trichloroethene           | <0.050 | ug/L  | 0.050 | 0.17  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Trichlorofluoromethane    | <0.090 | ug/L  | 0.090 | 0.14  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Vinyl acetate             | <0.22  | ug/L  | 0.22  | 0.73  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Vinyl chloride            | <0.019 | ug/L  | 0.019 | 0.064 | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |
| Total Xylene              | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           |                | 11/08/2018 15:29   | RLD     | EPA 8260C |

CT LAB Sample#: 204708 Sample Description: P-113B

License/Well #: 00467/138 Sampled: 10/31/2018 1425

| Analyte                       | Result        | Units    | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|-------------------------------|---------------|----------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|
| <b>Field Results</b>          |               |          |     |     |          |           |                |                    |         |        |
| Dissolved Oxygen (Field)      | <b>0.29</b>   | mg/L     | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| Depth to Groundwater (Field)  | <b>13.12</b>  | Feet     | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| OX/REDOX (Field)              | <b>-143</b>   | MV       | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| Color (Field)                 | <b>CLEAR</b>  |          | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| Conductivity (Field)          | <b>624</b>    | umhos/cm | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| Groundwater Elevation (Field) | <b>820.04</b> | Feet MSL | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| Odor (Field)                  | <b>NONE</b>   |          | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| pH (Field)                    | <b>7.71</b>   | S.U.     | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| Temperature (Field)           | <b>10.89</b>  | Deg. C   | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |
| Turbidity (Field)             | <b>CLEAR</b>  |          | N/A | N/A | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD  |

**Organic Results**

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis



CT LAB Sample#: 204708 Sample Description: P-113B

License/Well #: 00467/138 Sampled: 10/31/2018 1425

| Analyte                     | Result | Units | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-----------------------------|--------|-------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| 1,1,1,2-Tetrachloroethane   | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,1,1-Trichloroethane       | <0.050 | ug/L  | 0.050 | 0.17  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,1,2,2-Tetrachloroethane   | <0.017 | ug/L  | 0.017 | 0.057 | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,1,2-Trichloroethane       | <0.050 | ug/L  | 0.050 | 0.16  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,1-Dichloroethane          | <0.060 | ug/L  | 0.060 | 0.19  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,1-Dichloroethene          | <0.060 | ug/L  | 0.060 | 0.20  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,1-Dichloropropene         | <0.060 | ug/L  | 0.060 | 0.19  | 1        | Q         |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,2,3-Trichlorobenzene      | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,2,3-Trichloropropane      | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,2,4-Trichlorobenzene      | <0.040 | ug/L  | 0.040 | 0.12  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,2,4-Trimethylbenzene      | <0.040 | ug/L  | 0.040 | 0.12  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane | <0.090 | ug/L  | 0.090 | 0.29  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,2-Dibromoethane           | <0.070 | ug/L  | 0.070 | 0.23  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,2-Dichlorobenzene         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,2-Dichloroethane          | <0.050 | ug/L  | 0.050 | 0.18  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,2-Dichloropropane         | <0.070 | ug/L  | 0.070 | 0.23  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene      | <0.050 | ug/L  | 0.050 | 0.16  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,3-Dichlorobenzene         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,3-Dichloropropane         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,4-Dichlorobenzene         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 1,4-Dioxane                 | <7.0   | ug/L  | 7.0   | 23    | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 2,2-Dichloropropane         | <0.050 | ug/L  | 0.050 | 0.15  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 2-Butanone                  | <0.50  | ug/L  | 0.50  | 1.5   | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 2-Chlorotoluene             | <0.030 | ug/L  | 0.030 | 0.11  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 2-Hexanone                  | <0.24  | ug/L  | 0.24  | 0.81  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204708 Sample Description: P-113B

License/Well #: 00467/138 Sampled: 10/31/2018 1425

| Analyte                 | Result      | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------|-------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| 4-Chlorotoluene         | <0.040      | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| 4-Methyl-2-pentanone    | <0.24       | ug/L  | 0.24    | 0.82  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Acetone                 | <b>0.47</b> | ug/L  | 0.30 *  | 1.0   | 1        | B         |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Benzene                 | <0.018      | ug/L  | 0.018   | 0.059 | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Bromobenzene            | <0.040      | ug/L  | 0.040   | 0.15  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Bromochloromethane      | <0.030      | ug/L  | 0.030   | 0.099 | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Bromodichloromethane    | <0.016      | ug/L  | 0.016   | 0.054 | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Bromoform               | <0.040      | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Bromomethane            | <0.080      | ug/L  | 0.080   | 0.28  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Carbon disulfide        | <0.070      | ug/L  | 0.070   | 0.25  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Carbon tetrachloride    | <0.050      | ug/L  | 0.050   | 0.18  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Chlorobenzene           | <0.040      | ug/L  | 0.040   | 0.15  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Chloroethane            | <0.070      | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Chloroform              | <0.030      | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Chloromethane           | <b>0.12</b> | ug/L  | 0.040 * | 0.13  | 1        | B         |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <0.070      | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene | <0.011      | ug/L  | 0.011   | 0.038 | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Dibromochloromethane    | <0.030      | ug/L  | 0.030   | 0.10  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Dibromomethane          | <0.050      | ug/L  | 0.050   | 0.17  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Dichlorodifluoromethane | <0.060      | ug/L  | 0.060   | 0.19  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Diisopropyl ether       | <0.040      | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Ethylbenzene            | <0.040      | ug/L  | 0.040   | 0.15  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Hexachlorobutadiene     | <0.050      | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| Isopropylbenzene        | <0.040      | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |
| m & p-Xylene            | <0.070      | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/09/2018 00:26   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204708 Sample Description: P-113B License/Well #: 00467/138 Sampled: 10/31/2018 1425

| Analyte                   | Result | Units | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---------------------------|--------|-------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Methyl tert-butyl ether   | <0.040 | ug/L  | 0.040 | 0.12  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| Methylene chloride        | <0.050 | ug/L  | 0.050 | 0.16  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| n-Butylbenzene            | <0.030 | ug/L  | 0.030 | 0.11  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| n-Propylbenzene           | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| Naphthalene               | <0.030 | ug/L  | 0.030 | 0.10  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| o-Xylene                  | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| p-Isopropyltoluene        | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| sec-Butylbenzene          | <0.050 | ug/L  | 0.050 | 0.16  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| Styrene                   | <0.030 | ug/L  | 0.030 | 0.11  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| tert-Butylbenzene         | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| Tetrachloroethene         | <0.050 | ug/L  | 0.050 | 0.18  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| Tetrahydrofuran           | <0.40  | ug/L  | 0.40  | 1.5   | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| Toluene                   | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| trans-1,2-Dichloroethene  | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene | <0.019 | ug/L  | 0.019 | 0.063 | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| Trichloroethene           | <0.050 | ug/L  | 0.050 | 0.17  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| Trichlorofluoromethane    | <0.090 | ug/L  | 0.090 | 0.14  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| Vinyl acetate             | <0.22  | ug/L  | 0.22  | 0.73  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| Vinyl chloride            | <0.019 | ug/L  | 0.019 | 0.064 | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |
| Total Xylene              | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           | 11/09/2018     | 00:26              | RLD     | EPA 8260C |

CT LAB Sample#: 204709 Sample Description: P-116 License/Well #: 00467/143 Sampled: 10/31/2018 1505

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204709 Sample Description: P-116 License/Well #: 00467/143 Sampled: 10/31/2018 1505

| Analyte                       | Result  | Units    | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------------|---------|----------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| <b>Field Results</b>          |         |          |       |       |          |           |                |                    |         |           |
| Dissolved Oxygen (Field)      | 0.4     | mg/L     | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Depth to Groundwater (Field)  | 26.20   | Feet     | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| OX/REDOX (Field)              | -106    | MV       | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Color (Field)                 | GRAYISH |          | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Conductivity (Field)          | 497     | umhos/cm | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Groundwater Elevation (Field) | 819.66  | Feet MSL | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Odor (Field)                  | NONE    |          | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| pH (Field)                    | 7.69    | S.U.     | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Temperature (Field)           | 11.29   | Deg. C   | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Turbidity (Field)             | CLEAR   |          | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| <b>Organic Results</b>        |         |          |       |       |          |           |                |                    |         |           |
| 1,1,1,2-Tetrachloroethane     | <0.040  | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| 1,1,1-Trichloroethane         | <0.050  | ug/L     | 0.050 | 0.17  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| 1,1,2,2-Tetrachloroethane     | <0.017  | ug/L     | 0.017 | 0.057 | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| 1,1,2-Trichloroethane         | <0.050  | ug/L     | 0.050 | 0.16  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| 1,1-Dichloroethane            | <0.060  | ug/L     | 0.060 | 0.19  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| 1,1-Dichloroethene            | <0.060  | ug/L     | 0.060 | 0.20  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| 1,1-Dichloropropene           | <0.060  | ug/L     | 0.060 | 0.19  | 1        | Q         |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| 1,2,3-Trichlorobenzene        | <0.040  | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| 1,2,3-Trichloropropane        | <0.040  | ug/L     | 0.040 | 0.14  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| 1,2,4-Trichlorobenzene        | <0.040  | ug/L     | 0.040 | 0.12  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| 1,2,4-Trimethylbenzene        | <0.040  | ug/L     | 0.040 | 0.12  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane   | <0.090  | ug/L     | 0.090 | 0.29  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| 1,2-Dibromoethane             | <0.070  | ug/L     | 0.070 | 0.23  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204709 Sample Description: P-116

License/Well #: 00467/143 Sampled: 10/31/2018 1505

| Analyte                | Result      | Units | LOD    | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|------------------------|-------------|-------|--------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| 1,2-Dichlorobenzene    | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| 1,2-Dichloroethane     | <0.050      | ug/L  | 0.050  | 0.18  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| 1,2-Dichloropropane    | <0.070      | ug/L  | 0.070  | 0.23  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene | <0.050      | ug/L  | 0.050  | 0.16  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| 1,3-Dichlorobenzene    | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| 1,3-Dichloropropane    | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| 1,4-Dichlorobenzene    | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| 1,4-Dioxane            | <7.0        | ug/L  | 7.0    | 23    | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| 2,2-Dichloropropane    | <0.050      | ug/L  | 0.050  | 0.15  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| 2-Butanone             | <0.50       | ug/L  | 0.50   | 1.5   | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| 2-Chlorotoluene        | <0.030      | ug/L  | 0.030  | 0.11  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| 2-Hexanone             | <0.24       | ug/L  | 0.24   | 0.81  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| 4-Chlorotoluene        | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| 4-Methyl-2-pentanone   | <0.24       | ug/L  | 0.24   | 0.82  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| Acetone                | <b>0.41</b> | ug/L  | 0.30 * | 1.0   | 1        | B         | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| Benzene                | <0.018      | ug/L  | 0.018  | 0.059 | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| Bromobenzene           | <0.040      | ug/L  | 0.040  | 0.15  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| Bromochloromethane     | <0.030      | ug/L  | 0.030  | 0.099 | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| Bromodichloromethane   | <0.016      | ug/L  | 0.016  | 0.054 | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| Bromoform              | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| Bromomethane           | <0.080      | ug/L  | 0.080  | 0.28  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| Carbon disulfide       | <0.070      | ug/L  | 0.070  | 0.25  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| Carbon tetrachloride   | <0.050      | ug/L  | 0.050  | 0.18  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| Chlorobenzene          | <0.040      | ug/L  | 0.040  | 0.15  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |
| Chloroethane           | <0.070      | ug/L  | 0.070  | 0.23  | 1        |           | 11/09/2018     | 00:55              | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204709 Sample Description: P-116

License/Well #: 00467/143 Sampled: 10/31/2018 1505

| Analyte                 | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------|--------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Chloroform              | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Chloromethane           | <b>0.071</b> | ug/L  | 0.040 * | 0.13  | 1        | B         |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene | <0.011       | ug/L  | 0.011   | 0.038 | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Dibromochloromethane    | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Dibromomethane          | <0.050       | ug/L  | 0.050   | 0.17  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Dichlorodifluoromethane | <0.060       | ug/L  | 0.060   | 0.19  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Diisopropyl ether       | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Ethylbenzene            | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Hexachlorobutadiene     | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Isopropylbenzene        | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| m & p-Xylene            | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Methyl tert-butyl ether | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Methylene chloride      | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| n-Butylbenzene          | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| n-Propylbenzene         | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Naphthalene             | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| o-Xylene                | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| p-Isopropyltoluene      | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| sec-Butylbenzene        | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Styrene                 | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| tert-Butylbenzene       | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Tetrachloroethene       | <0.050       | ug/L  | 0.050   | 0.18  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Tetrahydrofuran         | <0.40        | ug/L  | 0.40    | 1.5   | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Toluene                 | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204709 Sample Description: P-116 License/Well #: 00467/143 Sampled: 10/31/2018 1505

| Analyte                   | Result | Units | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---------------------------|--------|-------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| trans-1,2-Dichloroethene  | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene | <0.019 | ug/L  | 0.019 | 0.063 | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Trichloroethene           | <0.050 | ug/L  | 0.050 | 0.17  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Trichlorofluoromethane    | <0.090 | ug/L  | 0.090 | 0.14  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Vinyl acetate             | <0.22  | ug/L  | 0.22  | 0.73  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Vinyl chloride            | <0.019 | ug/L  | 0.019 | 0.064 | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |
| Total Xylene              | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           |                | 11/09/2018 00:55   | RLD     | EPA 8260C |

CT LAB Sample#: 204710 Sample Description: P-114 License/Well #: 00467/140 Sampled: 10/31/2018 1535

| Analyte                       | Result        | Units    | LOD   | LOQ  | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------------|---------------|----------|-------|------|----------|-----------|----------------|--------------------|---------|-----------|
| <b>Field Results</b>          |               |          |       |      |          |           |                |                    |         |           |
| Dissolved Oxygen (Field)      | <b>0.21</b>   | mg/L     | N/A   | N/A  | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Depth to Groundwater (Field)  | <b>19.16</b>  | Feet     | N/A   | N/A  | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| OX/REDOX (Field)              | <b>-141</b>   | MV       | N/A   | N/A  | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Color (Field)                 | <b>CLEAR</b>  |          | N/A   | N/A  | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Conductivity (Field)          | <b>727</b>    | umhos/cm | N/A   | N/A  | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Groundwater Elevation (Field) | <b>820.20</b> | Feet MSL | N/A   | N/A  | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Odor (Field)                  | <b>NONE</b>   |          | N/A   | N/A  | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| pH (Field)                    | <b>7.59</b>   | S.U.     | N/A   | N/A  | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Temperature (Field)           | <b>10.09</b>  | Deg. C   | N/A   | N/A  | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Turbidity (Field)             | <b>CLEAR</b>  |          | N/A   | N/A  | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| <b>Organic Results</b>        |               |          |       |      |          |           |                |                    |         |           |
| 1,1,1,2-Tetrachloroethane     | <0.040        | ug/L     | 0.040 | 0.13 | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204710 Sample Description: P-114

License/Well #: 00467/140 Sampled: 10/31/2018 1535

| Analyte                     | Result | Units | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time   | Analysis Date/Time | Analyst | Method    |
|-----------------------------|--------|-------|-------|-------|----------|-----------|------------------|--------------------|---------|-----------|
| 1,1,1-Trichloroethane       | <0.050 | ug/L  | 0.050 | 0.17  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,1,2,2-Tetrachloroethane   | <0.017 | ug/L  | 0.017 | 0.057 | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,1,2-Trichloroethane       | <0.050 | ug/L  | 0.050 | 0.16  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,1-Dichloroethane          | <0.060 | ug/L  | 0.060 | 0.19  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,1-Dichloroethene          | <0.060 | ug/L  | 0.060 | 0.20  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,1-Dichloropropene         | <0.060 | ug/L  | 0.060 | 0.19  | 1        | Q         | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,2,3-Trichlorobenzene      | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,2,3-Trichloropropane      | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,2,4-Trichlorobenzene      | <0.040 | ug/L  | 0.040 | 0.12  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,2,4-Trimethylbenzene      | <0.040 | ug/L  | 0.040 | 0.12  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane | <0.090 | ug/L  | 0.090 | 0.29  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,2-Dibromoethane           | <0.070 | ug/L  | 0.070 | 0.23  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,2-Dichlorobenzene         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,2-Dichloroethane          | <0.050 | ug/L  | 0.050 | 0.18  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,2-Dichloropropane         | <0.070 | ug/L  | 0.070 | 0.23  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene      | <0.050 | ug/L  | 0.050 | 0.16  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,3-Dichlorobenzene         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,3-Dichloropropane         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,4-Dichlorobenzene         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 1,4-Dioxane                 | <7.0   | ug/L  | 7.0   | 23    | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 2,2-Dichloropropane         | <0.050 | ug/L  | 0.050 | 0.15  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 2-Butanone                  | <0.50  | ug/L  | 0.50  | 1.5   | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 2-Chlorotoluene             | <0.030 | ug/L  | 0.030 | 0.11  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 2-Hexanone                  | <0.24  | ug/L  | 0.24  | 0.81  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |
| 4-Chlorotoluene             | <0.040 | ug/L  | 0.040 | 0.12  | 1        |           | 11/09/2018 01:24 | 11/09/2018 01:24   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis



CT LAB Sample#: 204710 Sample Description: P-114

License/Well #: 00467/140 Sampled: 10/31/2018 1535

| Analyte                 | Result      | Units | LOD    | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------|-------------|-------|--------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| 4-Methyl-2-pentanone    | <0.24       | ug/L  | 0.24   | 0.82  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Acetone                 | <b>0.61</b> | ug/L  | 0.30 * | 1.0   | 1        | B         |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Benzene                 | <0.018      | ug/L  | 0.018  | 0.059 | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Bromobenzene            | <0.040      | ug/L  | 0.040  | 0.15  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Bromochloromethane      | <0.030      | ug/L  | 0.030  | 0.099 | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Bromodichloromethane    | <0.016      | ug/L  | 0.016  | 0.054 | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Bromoform               | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Bromomethane            | <0.080      | ug/L  | 0.080  | 0.28  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Carbon disulfide        | <0.070      | ug/L  | 0.070  | 0.25  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Carbon tetrachloride    | <0.050      | ug/L  | 0.050  | 0.18  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Chlorobenzene           | <0.040      | ug/L  | 0.040  | 0.15  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Chloroethane            | <0.070      | ug/L  | 0.070  | 0.23  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Chloroform              | <0.030      | ug/L  | 0.030  | 0.11  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Chloromethane           | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <b>1.5</b>  | ug/L  | 0.070  | 0.23  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene | <0.011      | ug/L  | 0.011  | 0.038 | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Dibromochloromethane    | <0.030      | ug/L  | 0.030  | 0.10  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Dibromomethane          | <0.050      | ug/L  | 0.050  | 0.17  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Dichlorodifluoromethane | <0.060      | ug/L  | 0.060  | 0.19  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Diisopropyl ether       | <0.040      | ug/L  | 0.040  | 0.14  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Ethylbenzene            | <0.040      | ug/L  | 0.040  | 0.15  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Hexachlorobutadiene     | <0.050      | ug/L  | 0.050  | 0.16  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Isopropylbenzene        | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| m & p-Xylene            | <0.070      | ug/L  | 0.070  | 0.23  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |
| Methyl tert-butyl ether | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           |                | 11/09/2018 01:24   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204710 Sample Description: P-114 License/Well #: 00467/140 Sampled: 10/31/2018 1535

| Analyte                   | Result     | Units | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---------------------------|------------|-------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Methylene chloride        | <0.050     | ug/L  | 0.050 | 0.16  | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| n-Butylbenzene            | <0.030     | ug/L  | 0.030 | 0.11  | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| n-Propylbenzene           | <0.040     | ug/L  | 0.040 | 0.13  | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| Naphthalene               | <0.030     | ug/L  | 0.030 | 0.10  | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| o-Xylene                  | <0.040     | ug/L  | 0.040 | 0.14  | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| p-Isopropyltoluene        | <0.040     | ug/L  | 0.040 | 0.13  | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| sec-Butylbenzene          | <0.050     | ug/L  | 0.050 | 0.16  | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| Styrene                   | <0.030     | ug/L  | 0.030 | 0.11  | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| tert-Butylbenzene         | <0.040     | ug/L  | 0.040 | 0.14  | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| Tetrachloroethene         | <0.050     | ug/L  | 0.050 | 0.18  | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| Tetrahydrofuran           | <0.40      | ug/L  | 0.40  | 1.5   | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| Toluene                   | <0.040     | ug/L  | 0.040 | 0.13  | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| trans-1,2-Dichloroethene  | <0.040     | ug/L  | 0.040 | 0.14  | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene | <0.019     | ug/L  | 0.019 | 0.063 | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| Trichloroethene           | <0.050     | ug/L  | 0.050 | 0.17  | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| Trichlorofluoromethane    | <0.090     | ug/L  | 0.090 | 0.14  | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| Vinyl acetate             | <0.22      | ug/L  | 0.22  | 0.73  | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| Vinyl chloride            | <b>6.1</b> | ug/L  | 0.019 | 0.064 | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |
| Total Xylene              | <0.040     | ug/L  | 0.040 | 0.14  | 1        |           | 11/09/2018     | 01:24              | RLD     | EPA 8260C |

CT LAB Sample#: 204711 Sample Description: P-114 DUP License/Well #: 00467/140 Sampled: 10/31/2018 1540

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|

**Organic Results**

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204711 Sample Description: P-114 DUP

License/Well #: 00467/140 Sampled: 10/31/2018 1540

| Analyte                     | Result | Units | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-----------------------------|--------|-------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| 1,1,1,2-Tetrachloroethane   | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,1,1-Trichloroethane       | <0.050 | ug/L  | 0.050 | 0.17  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,1,2,2-Tetrachloroethane   | <0.017 | ug/L  | 0.017 | 0.057 | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,1,2-Trichloroethane       | <0.050 | ug/L  | 0.050 | 0.16  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,1-Dichloroethane          | <0.060 | ug/L  | 0.060 | 0.19  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,1-Dichloroethene          | <0.060 | ug/L  | 0.060 | 0.20  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,1-Dichloropropene         | <0.060 | ug/L  | 0.060 | 0.19  | 1        | Q         |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,2,3-Trichlorobenzene      | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,2,3-Trichloropropane      | <0.040 | ug/L  | 0.040 | 0.14  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,2,4-Trichlorobenzene      | <0.040 | ug/L  | 0.040 | 0.12  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,2,4-Trimethylbenzene      | <0.040 | ug/L  | 0.040 | 0.12  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane | <0.090 | ug/L  | 0.090 | 0.29  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,2-Dibromoethane           | <0.070 | ug/L  | 0.070 | 0.23  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,2-Dichlorobenzene         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,2-Dichloroethane          | <0.050 | ug/L  | 0.050 | 0.18  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,2-Dichloropropane         | <0.070 | ug/L  | 0.070 | 0.23  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene      | <0.050 | ug/L  | 0.050 | 0.16  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,3-Dichlorobenzene         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,3-Dichloropropane         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,4-Dichlorobenzene         | <0.040 | ug/L  | 0.040 | 0.13  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 1,4-Dioxane                 | <7.0   | ug/L  | 7.0   | 23    | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 2,2-Dichloropropane         | <0.050 | ug/L  | 0.050 | 0.15  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 2-Butanone                  | <0.50  | ug/L  | 0.50  | 1.5   | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 2-Chlorotoluene             | <0.030 | ug/L  | 0.030 | 0.11  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |
| 2-Hexanone                  | <0.24  | ug/L  | 0.24  | 0.81  | 1        |           |                | 11/09/2018 01:53   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204711 Sample Description: P-114 DUP

License/Well #: 00467/140 Sampled: 10/31/2018 1540

| Analyte                 | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------|--------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| 4-Chlorotoluene         | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| 4-Methyl-2-pentanone    | <0.24        | ug/L  | 0.24    | 0.82  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Acetone                 | <0.30        | ug/L  | 0.30    | 1.0   | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Benzene                 | <0.018       | ug/L  | 0.018   | 0.059 | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Bromobenzene            | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Bromochloromethane      | <0.030       | ug/L  | 0.030   | 0.099 | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Bromodichloromethane    | <0.016       | ug/L  | 0.016   | 0.054 | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Bromoform               | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Bromomethane            | <0.080       | ug/L  | 0.080   | 0.28  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Carbon disulfide        | <0.070       | ug/L  | 0.070   | 0.25  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Carbon tetrachloride    | <0.050       | ug/L  | 0.050   | 0.18  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Chlorobenzene           | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Chloroethane            | <b>0.33</b>  | ug/L  | 0.070   | 0.23  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Chloroform              | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Chloromethane           | <b>0.047</b> | ug/L  | 0.040 * | 0.13  | 1        | B         | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <b>1.6</b>   | ug/L  | 0.070   | 0.23  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene | <0.011       | ug/L  | 0.011   | 0.038 | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Dibromochloromethane    | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Dibromomethane          | <0.050       | ug/L  | 0.050   | 0.17  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Dichlorodifluoromethane | <0.060       | ug/L  | 0.060   | 0.19  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Diisopropyl ether       | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Ethylbenzene            | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Hexachlorobutadiene     | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Isopropylbenzene        | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| m & p-Xylene            | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204711 Sample Description: P-114 DUP

License/Well #: 00467/140 Sampled: 10/31/2018 1540

| Analyte                   | Result     | Units | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---------------------------|------------|-------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Methyl tert-butyl ether   | <0.040     | ug/L  | 0.040 | 0.12  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Methylene chloride        | <0.050     | ug/L  | 0.050 | 0.16  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| n-Butylbenzene            | <0.030     | ug/L  | 0.030 | 0.11  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| n-Propylbenzene           | <0.040     | ug/L  | 0.040 | 0.13  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Naphthalene               | <0.030     | ug/L  | 0.030 | 0.10  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| o-Xylene                  | <0.040     | ug/L  | 0.040 | 0.14  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| p-Isopropyltoluene        | <0.040     | ug/L  | 0.040 | 0.13  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| sec-Butylbenzene          | <0.050     | ug/L  | 0.050 | 0.16  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Styrene                   | <0.030     | ug/L  | 0.030 | 0.11  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| tert-Butylbenzene         | <0.040     | ug/L  | 0.040 | 0.14  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Tetrachloroethene         | <0.050     | ug/L  | 0.050 | 0.18  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Tetrahydrofuran           | <0.40      | ug/L  | 0.40  | 1.5   | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Toluene                   | <0.040     | ug/L  | 0.040 | 0.13  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| trans-1,2-Dichloroethene  | <0.040     | ug/L  | 0.040 | 0.14  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene | <0.019     | ug/L  | 0.019 | 0.063 | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Trichloroethene           | <0.050     | ug/L  | 0.050 | 0.17  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Trichlorofluoromethane    | <0.090     | ug/L  | 0.090 | 0.14  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Vinyl acetate             | <0.22      | ug/L  | 0.22  | 0.73  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Vinyl chloride            | <b>6.5</b> | ug/L  | 0.019 | 0.064 | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |
| Total Xylene              | <0.040     | ug/L  | 0.040 | 0.14  | 1        |           | 11/09/2018     | 01:53              | RLD     | EPA 8260C |

CT LAB Sample#: 204712 Sample Description: P-115

License/Well #: 00467/142 Sampled: 10/31/2018 1610

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204712 Sample Description: P-115 License/Well #: 00467/142 Sampled: 10/31/2018 1610

| Analyte                       | Result | Units    | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------------|--------|----------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| <b>Field Results</b>          |        |          |       |       |          |           |                |                    |         |           |
| Dissolved Oxygen (Field)      | 0.25   | mg/L     | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Depth to Groundwater (Field)  | 22.46  | Feet     | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| OX/REDOX (Field)              | -141   | MV       | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Color (Field)                 | CLEAR  |          | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Conductivity (Field)          | 598    | umhos/cm | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Groundwater Elevation (Field) | 820.21 | Feet MSL | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Odor (Field)                  | NONE   |          | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| pH (Field)                    | 7.69   | S.U.     | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Temperature (Field)           | 10.2   | Deg. C   | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| Turbidity (Field)             | CLEAR  |          | N/A   | N/A   | 1        |           |                | 10/31/2018 00:00   | SUB     | FIELD     |
| <b>Organic Results</b>        |        |          |       |       |          |           |                |                    |         |           |
| 1,1,1,2-Tetrachloroethane     | <0.040 | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,1,1-Trichloroethane         | <0.050 | ug/L     | 0.050 | 0.17  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,1,2,2-Tetrachloroethane     | <0.017 | ug/L     | 0.017 | 0.057 | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,1,2-Trichloroethane         | <0.050 | ug/L     | 0.050 | 0.16  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,1-Dichloroethane            | <0.060 | ug/L     | 0.060 | 0.19  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,1-Dichloroethene            | <0.060 | ug/L     | 0.060 | 0.20  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,1-Dichloropropene           | <0.060 | ug/L     | 0.060 | 0.19  | 1        | Q         |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,2,3-Trichlorobenzene        | <0.040 | ug/L     | 0.040 | 0.13  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,2,3-Trichloropropane        | <0.040 | ug/L     | 0.040 | 0.14  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,2,4-Trichlorobenzene        | <0.040 | ug/L     | 0.040 | 0.12  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,2,4-Trimethylbenzene        | <0.040 | ug/L     | 0.040 | 0.12  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane   | <0.090 | ug/L     | 0.090 | 0.29  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,2-Dibromoethane             | <0.070 | ug/L     | 0.070 | 0.23  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204712 Sample Description: P-115

License/Well #: 00467/142 Sampled: 10/31/2018 1610

| Analyte                | Result      | Units | LOD    | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|------------------------|-------------|-------|--------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| 1,2-Dichlorobenzene    | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,2-Dichloroethane     | <0.050      | ug/L  | 0.050  | 0.18  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,2-Dichloropropane    | <0.070      | ug/L  | 0.070  | 0.23  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene | <0.050      | ug/L  | 0.050  | 0.16  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,3-Dichlorobenzene    | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,3-Dichloropropane    | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,4-Dichlorobenzene    | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 1,4-Dioxane            | <7.0        | ug/L  | 7.0    | 23    | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 2,2-Dichloropropane    | <0.050      | ug/L  | 0.050  | 0.15  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 2-Butanone             | <0.50       | ug/L  | 0.50   | 1.5   | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 2-Chlorotoluene        | <0.030      | ug/L  | 0.030  | 0.11  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 2-Hexanone             | <0.24       | ug/L  | 0.24   | 0.81  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 4-Chlorotoluene        | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| 4-Methyl-2-pentanone   | <0.24       | ug/L  | 0.24   | 0.82  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Acetone                | <b>0.40</b> | ug/L  | 0.30 * | 1.0   | 1        | B         |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Benzene                | <0.018      | ug/L  | 0.018  | 0.059 | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Bromobenzene           | <0.040      | ug/L  | 0.040  | 0.15  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Bromochloromethane     | <0.030      | ug/L  | 0.030  | 0.099 | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Bromodichloromethane   | <0.016      | ug/L  | 0.016  | 0.054 | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Bromoform              | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Bromomethane           | <0.080      | ug/L  | 0.080  | 0.28  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Carbon disulfide       | <0.070      | ug/L  | 0.070  | 0.25  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Carbon tetrachloride   | <0.050      | ug/L  | 0.050  | 0.18  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Chlorobenzene          | <0.040      | ug/L  | 0.040  | 0.15  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Chloroethane           | <0.070      | ug/L  | 0.070  | 0.23  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204712 Sample Description: P-115

License/Well #: 00467/142 Sampled: 10/31/2018 1610

| Analyte                 | Result       | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|-------------------------|--------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Chloroform              | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Chloromethane           | <b>0.040</b> | ug/L  | 0.040 * | 0.13  | 1        | B         |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <b>0.15</b>  | ug/L  | 0.070 * | 0.23  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene | <0.011       | ug/L  | 0.011   | 0.038 | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Dibromochloromethane    | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Dibromomethane          | <0.050       | ug/L  | 0.050   | 0.17  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Dichlorodifluoromethane | <0.060       | ug/L  | 0.060   | 0.19  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Diisopropyl ether       | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Ethylbenzene            | <0.040       | ug/L  | 0.040   | 0.15  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Hexachlorobutadiene     | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Isopropylbenzene        | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| m & p-Xylene            | <0.070       | ug/L  | 0.070   | 0.23  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Methyl tert-butyl ether | <0.040       | ug/L  | 0.040   | 0.12  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Methylene chloride      | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| n-Butylbenzene          | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| n-Propylbenzene         | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Naphthalene             | <0.030       | ug/L  | 0.030   | 0.10  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| o-Xylene                | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| p-Isopropyltoluene      | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| sec-Butylbenzene        | <0.050       | ug/L  | 0.050   | 0.16  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Styrene                 | <0.030       | ug/L  | 0.030   | 0.11  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| tert-Butylbenzene       | <0.040       | ug/L  | 0.040   | 0.14  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Tetrachloroethene       | <0.050       | ug/L  | 0.050   | 0.18  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Tetrahydrofuran         | <0.40        | ug/L  | 0.40    | 1.5   | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Toluene                 | <0.040       | ug/L  | 0.040   | 0.13  | 1        |           |                | 11/09/2018 02:22   | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis



CT LAB Sample#: 204712 Sample Description: P-115 License/Well #: 00467/142 Sampled: 10/31/2018 1610

| Analyte                   | Result     | Units | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time   | Analysis Date/Time | Analyst | Method    |
|---------------------------|------------|-------|-------|-------|----------|-----------|------------------|--------------------|---------|-----------|
| trans-1,2-Dichloroethene  | <0.040     | ug/L  | 0.040 | 0.14  | 1        |           | 11/09/2018 02:22 | 11/09/2018 02:22   | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene | <0.019     | ug/L  | 0.019 | 0.063 | 1        |           | 11/09/2018 02:22 | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Trichloroethene           | <0.050     | ug/L  | 0.050 | 0.17  | 1        |           | 11/09/2018 02:22 | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Trichlorofluoromethane    | <0.090     | ug/L  | 0.090 | 0.14  | 1        |           | 11/09/2018 02:22 | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Vinyl acetate             | <0.22      | ug/L  | 0.22  | 0.73  | 1        |           | 11/09/2018 02:22 | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Vinyl chloride            | <b>1.0</b> | ug/L  | 0.019 | 0.064 | 1        |           | 11/09/2018 02:22 | 11/09/2018 02:22   | RLD     | EPA 8260C |
| Total Xylene              | <0.040     | ug/L  | 0.040 | 0.14  | 1        |           | 11/09/2018 02:22 | 11/09/2018 02:22   | RLD     | EPA 8260C |

CT LAB Sample#: 204713 Sample Description: TRIP BLANK License/Well #: 00467/999 Sampled: 10/31/2018

| Analyte | Result | Units | LOD | LOQ | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method |
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|
|---------|--------|-------|-----|-----|----------|-----------|----------------|--------------------|---------|--------|

**Organic Results**

Volatile Organic Compounds 8260 Comments: Suspected Chloroform and Vinyl Chloride laboratory contamination for TB Lot 100518.

|                           |        |      |       |       |   |   |                  |                  |     |           |
|---------------------------|--------|------|-------|-------|---|---|------------------|------------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane | <0.040 | ug/L | 0.040 | 0.13  | 1 |   | 11/08/2018 10:15 | 11/08/2018 10:15 | RLD | EPA 8260C |
| 1,1,1-Trichloroethane     | <0.050 | ug/L | 0.050 | 0.17  | 1 |   | 11/08/2018 10:15 | 11/08/2018 10:15 | RLD | EPA 8260C |
| 1,1,2,2-Tetrachloroethane | <0.017 | ug/L | 0.017 | 0.057 | 1 |   | 11/08/2018 10:15 | 11/08/2018 10:15 | RLD | EPA 8260C |
| 1,1,2-Trichloroethane     | <0.050 | ug/L | 0.050 | 0.16  | 1 |   | 11/08/2018 10:15 | 11/08/2018 10:15 | RLD | EPA 8260C |
| 1,1-Dichloroethane        | <0.060 | ug/L | 0.060 | 0.19  | 1 |   | 11/08/2018 10:15 | 11/08/2018 10:15 | RLD | EPA 8260C |
| 1,1-Dichloroethene        | <0.060 | ug/L | 0.060 | 0.20  | 1 |   | 11/08/2018 10:15 | 11/08/2018 10:15 | RLD | EPA 8260C |
| 1,1-Dichloropropene       | <0.060 | ug/L | 0.060 | 0.19  | 1 | Q | 11/08/2018 10:15 | 11/08/2018 10:15 | RLD | EPA 8260C |
| 1,2,3-Trichlorobenzene    | <0.040 | ug/L | 0.040 | 0.13  | 1 |   | 11/08/2018 10:15 | 11/08/2018 10:15 | RLD | EPA 8260C |
| 1,2,3-Trichloropropane    | <0.040 | ug/L | 0.040 | 0.14  | 1 |   | 11/08/2018 10:15 | 11/08/2018 10:15 | RLD | EPA 8260C |
| 1,2,4-Trichlorobenzene    | <0.040 | ug/L | 0.040 | 0.12  | 1 |   | 11/08/2018 10:15 | 11/08/2018 10:15 | RLD | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204713 Sample Description: TRIP BLANK

License/Well #: 00467/999 Sampled: 10/31/2018

| Analyte   | Result      | Units | LOD    | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---|-------------|-------|--------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Volatile Organic Compounds 8260 Comments: Suspected Chloroform and Vinyl Chloride laboratory contamination for TB Lot 100518. |             |       |        |       |          |           |                |                    |         |           |
| 1,2,4-Trimethylbenzene  | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| 1,2-Dibromo-3-chloropropane   | <0.090      | ug/L  | 0.090  | 0.29  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| 1,2-Dibromoethane   | <0.070      | ug/L  | 0.070  | 0.23  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| 1,2-Dichlorobenzene   | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| 1,2-Dichloroethane  | <0.050      | ug/L  | 0.050  | 0.18  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| 1,2-Dichloropropane   | <0.070      | ug/L  | 0.070  | 0.23  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| 1,3,5-Trimethylbenzene  | <0.050      | ug/L  | 0.050  | 0.16  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| 1,3-Dichlorobenzene   | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| 1,3-Dichloropropane   | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| 1,4-Dichlorobenzene   | <0.040      | ug/L  | 0.040  | 0.13  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| 1,4-Dioxane   | <7.0        | ug/L  | 7.0    | 23    | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| 2,2-Dichloropropane   | <0.050      | ug/L  | 0.050  | 0.15  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| 2-Butanone  | <0.50       | ug/L  | 0.50   | 1.5   | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| 2-Chlorotoluene   | <0.030      | ug/L  | 0.030  | 0.11  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| 2-Hexanone  | <0.24       | ug/L  | 0.24   | 0.81  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| 4-Chlorotoluene   | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| 4-Methyl-2-pentanone  | <0.24       | ug/L  | 0.24   | 0.82  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Acetone   | <b>0.70</b> | ug/L  | 0.30 * | 1.0   | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Benzene   | <0.018      | ug/L  | 0.018  | 0.059 | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Bromobenzene  | <0.040      | ug/L  | 0.040  | 0.15  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Bromochloromethane  | <0.030      | ug/L  | 0.030  | 0.099 | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Bromodichloromethane  | <0.016      | ug/L  | 0.016  | 0.054 | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Bromoform   | <0.040      | ug/L  | 0.040  | 0.12  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204713 Sample Description: TRIP BLANK

License/Well #: 00467/999 Sampled: 10/31/2018

| Analyte   | Result      | Units | LOD     | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---|-------------|-------|---------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Volatile Organic Compounds 8260 Comments: Suspected Chloroform and Vinyl Chloride laboratory contamination for TB Lot 100518. |             |       |         |       |          |           |                |                    |         |           |
| Bromomethane  | <0.080      | ug/L  | 0.080   | 0.28  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Carbon disulfide  | <0.070      | ug/L  | 0.070   | 0.25  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Carbon tetrachloride  | <0.050      | ug/L  | 0.050   | 0.18  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Chlorobenzene   | <0.040      | ug/L  | 0.040   | 0.15  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Chloroethane  | <0.070      | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Chloroform  | <b>0.18</b> | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Chloromethane   | <b>0.12</b> | ug/L  | 0.040 * | 0.13  | 1        | B         | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| cis-1,2-Dichloroethene  | <0.070      | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| cis-1,3-Dichloropropene   | <0.011      | ug/L  | 0.011   | 0.038 | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Dibromochloromethane  | <0.030      | ug/L  | 0.030   | 0.10  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Dibromomethane  | <0.050      | ug/L  | 0.050   | 0.17  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Dichlorodifluoromethane   | <0.060      | ug/L  | 0.060   | 0.19  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Diisopropyl ether   | <0.040      | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Ethylbenzene  | <0.040      | ug/L  | 0.040   | 0.15  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Hexachlorobutadiene   | <0.050      | ug/L  | 0.050   | 0.16  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Isopropylbenzene  | <0.040      | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| m & p-Xylene  | <0.070      | ug/L  | 0.070   | 0.23  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Methyl tert-butyl ether   | <0.040      | ug/L  | 0.040   | 0.12  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Methylene chloride  | <0.050      | ug/L  | 0.050   | 0.16  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| n-Butylbenzene  | <0.030      | ug/L  | 0.030   | 0.11  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| n-Propylbenzene   | <0.040      | ug/L  | 0.040   | 0.13  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Naphthalene   | <0.030      | ug/L  | 0.030   | 0.10  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| o-Xylene  | <0.040      | ug/L  | 0.040   | 0.14  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 204713 Sample Description: TRIP BLANK

License/Well #: 00467/999 Sampled: 10/31/2018

| Analyte   | Result      | Units | LOD   | LOQ   | Dilution | Qualifier | Prep Date/Time | Analysis Date/Time | Analyst | Method    |
|---|-------------|-------|-------|-------|----------|-----------|----------------|--------------------|---------|-----------|
| Volatile Organic Compounds 8260 Comments: Suspected Chloroform and Vinyl Chloride laboratory contamination for TB Lot 100518. |             |       |       |       |          |           |                |                    |         |           |
| p-Isopropyltoluene  | <0.040      | ug/L  | 0.040 | 0.13  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| sec-Butylbenzene  | <0.050      | ug/L  | 0.050 | 0.16  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Styrene   | <0.030      | ug/L  | 0.030 | 0.11  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| tert-Butylbenzene   | <0.040      | ug/L  | 0.040 | 0.14  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Tetrachloroethene   | <0.050      | ug/L  | 0.050 | 0.18  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Tetrahydrofuran   | <0.40       | ug/L  | 0.40  | 1.5   | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Toluene   | <0.040      | ug/L  | 0.040 | 0.13  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| trans-1,2-Dichloroethene  | <0.040      | ug/L  | 0.040 | 0.14  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| trans-1,3-Dichloropropene   | <0.019      | ug/L  | 0.019 | 0.063 | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Trichloroethene   | <0.050      | ug/L  | 0.050 | 0.17  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Trichlorofluoromethane  | <0.090      | ug/L  | 0.090 | 0.14  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Vinyl acetate   | <0.22       | ug/L  | 0.22  | 0.73  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Vinyl chloride  | <b>0.19</b> | ug/L  | 0.019 | 0.064 | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |
| Total Xylene  | <0.040      | ug/L  | 0.040 | 0.14  | 1        |           | 11/08/2018     | 10:15              | RLD     | EPA 8260C |

Notes: \* Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: **Brett M. Szymanski**  
 Project Manager  
 608-356-2760

**QC Qualifiers**

| <b>Code</b> | <b>Description</b>  |
|-------------|---|
| B           | Analyte detected in the associated Method Blank.  |
| C           | Toxicity present in BOD sample.   |
| D           | Diluted Out.  |
| E           | Safe, No Total Coliform detected.   |
| F           | Unsafe, Total Coliform detected, no E. Coli detected.   |
| G           | Unsafe, Total Coliform detected and E. Coli detected.   |
| H           | Holding time exceeded.  |
| I           | Incubator temperature was outside acceptance limits during test period.   |
| J           | Estimated value.  |
| L           | Significant peaks were detected outside the chromatographic window.   |
| M           | Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.                                      |
| N           | Insufficient BOD oxygen depletion.  |
| O           | Complete BOD oxygen depletion.  |
| P           | Concentration of analyte differs more than 40% between primary and confirmation analysis.                           |
| Q           | Laboratory Control Sample outside acceptance limits.  |
| R           | See Narrative at end of report.   |
| S           | Surrogate standard recovery outside acceptance limits due to apparent matrix effects.                               |
| T           | Sample received with improper preservation or temperature.  |
| U           | Analyte concentration was below detection limit.  |
| V           | Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference. |
| W           | Sample amount received was below program minimum.   |
| X           | Analyte exceeded calibration range.   |
| Y           | Replicate/Duplicate precision outside acceptance limits.  |
| Z           | Specified calibration criteria was not met.   |

**Current CT Laboratories Certifications**

Wisconsin (WDNR) Chemistry ID# 157066030  
 Wisconsin (DATCP) Bacteriology ID# 105-289  
 Louisiana NELAP (primary) ID# ACC20160002  
 Illinois NELAP Lab ID# 200073  
 Kansas NELAP Lab ID# E-10368  
 Virginia NELAP Lab ID# 460203  
 Maryland Lab ID# WI00061  
 ISO/IEC 17025-2005 A2LA Cert # 3806.01  
 DoD-ELAP A2LA 3806.01  
 GA EPD Stipulation ID ACC20160002

**QC SUMMARY REPORT**

**TETRA TECH**

**Project Name: RIPON FF/NN LANDFILL**

**SDG #: 0**

**Folder #: 140768**

**Project #: 117-2202061.01**

**Matrix Spike Duplicate Water**

|                   |        |                |            |                 |         |              |
|-------------------|--------|----------------|------------|-----------------|---------|--------------|
| Analytical Run #: | 155346 | Analysis Date: | 11/09/2018 | Prep Batch #:   | Matrix: | GROUND WATER |
| CTLab #:          | 207820 | Analysis Time: | 03:19      | Prep Date/Time: | Method: | SW8260C      |
| Parent Sample #:  | 207819 | Analyst:       | RLD        | Prep Analyst:   |         |              |

| Analyte                     | QC sample result | Units      | Parent sample result | Qualifier(s) | Spike Amount Added | % Recovery | Control Limits | RPD | RPD Limit |
|-----------------------------|------------------|------------|----------------------|--------------|--------------------|------------|----------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane   | 3.67             | ug/L       | BDL                  |              | 4.00               | 92         | 67 --- 122     | 1   | 21        |
| 1,1,1-Trichloroethane       | 3.88             | ug/L       | BDL                  |              | 4.00               | 97         | 69 --- 128     | 1   | 20        |
| 1,1,2,2-Tetrachloroethane   | 3.38             | ug/L       | BDL                  |              | 4.00               | 84         | 54 --- 130     | 2   | 22        |
| 1,1,2-Trichloroethane       | 3.60             | ug/L       | BDL                  |              | 4.00               | 90         | 67 --- 116     | 1   | 25        |
| 1,1-Dichloroethane          | 3.81             | ug/L       | BDL                  |              | 4.00               | 95         | 64 --- 124     | 1   | 25        |
| 1,1-Dichloroethene          | 3.98             | ug/L       | BDL                  |              | 4.00               | 100        | 70 --- 130     | 0   | 24        |
| 1,1-Dichloropropene         | 4.06             | ug/L       | BDL                  |              | 4.00               | 102        | 74 --- 127     | 4   | 21        |
| 1,2 Dichloroethane-d4       | 103              | % Recovery |                      |              | 100                | 103        | 86 --- 106     |     | 7         |
| 1,2,3-Trichlorobenzene      | 3.56             | ug/L       | BDL                  |              | 4.00               | 89         | 56 --- 134     | 3   | 31        |
| 1,2,3-Trichloropropane      | 2.84             | ug/L       | BDL                  |              | 4.00               | 71         | 54 --- 117     | 2   | 26        |
| 1,2,4-Trichlorobenzene      | 3.61             | ug/L       | BDL                  |              | 4.00               | 90         | 56 --- 133     | 1   | 29        |
| 1,2,4-Trimethylbenzene      | 3.66             | ug/L       | BDL                  |              | 4.00               | 92         | 63 --- 132     | 1   | 36        |
| 1,2-Dibromo-3-chloropropane | 3.49             | ug/L       | BDL                  |              | 4.00               | 87         | 48 --- 121     | 9   | 34        |
| 1,2-Dibromoethane           | 3.47             | ug/L       | BDL                  |              | 4.00               | 87         | 66 --- 114     | 0   | 22        |
| 1,2-Dichlorobenzene         | 3.43             | ug/L       | BDL                  |              | 4.00               | 86         | 63 --- 124     | 2   | 23        |
| 1,2-Dichloroethane          | 3.63             | ug/L       | BDL                  |              | 4.00               | 91         | 60 --- 117     | 2   | 21        |
| 1,2-Dichloropropane         | 3.78             | ug/L       | BDL                  |              | 4.00               | 94         | 67 --- 121     | 1   | 19        |
| 1,3,5-Trimethylbenzene      | 3.74             | ug/L       | BDL                  |              | 4.00               | 94         | 68 --- 130     | 2   | 34        |
| 1,3-Dichlorobenzene         | 3.64             | ug/L       | BDL                  |              | 4.00               | 91         | 66 --- 126     | 1   | 22        |
| 1,3-Dichloropropane         | 3.58             | ug/L       | BDL                  |              | 4.00               | 90         | 67 --- 114     | 3   | 23        |
| 1,4-Dichlorobenzene         | 3.57             | ug/L       | BDL                  |              | 4.00               | 89         | 65 --- 125     | 2   | 22        |
| 1,4-Dioxane                 | 199              | ug/L       | BDL                  |              | 200                | 100        | 19 --- 208     | 1   | 20        |
| 2,2-Dichloropropane         | 3.35             | ug/L       | BDL                  |              | 4.00               | 84         | 57 --- 136     | 3   | 21        |
| 2-Butanone                  | 36.2             | ug/L       | BDL                  |              | 40.0               | 90         | 67 --- 110     | 0   | 29        |
| 2-Chlorotoluene             | 3.55             | ug/L       | BDL                  |              | 4.00               | 89         | 61 --- 134     | 1   | 20        |
| 2-Hexanone                  | 34.6             | ug/L       | BDL                  |              | 40.0               | 86         | 51 --- 128     | 1   | 28        |
| 4-Chlorotoluene             | 3.65             | ug/L       | BDL                  |              | 4.00               | 91         | 65 --- 129     | 0   | 22        |
| 4-Methyl-2-pentanone        | 35.8             | ug/L       | BDL                  |              | 40.0               | 90         | 55 --- 125     | 1   | 29        |
| Acetone                     | 30.1             | ug/L       | 0.37                 |              | 40.0               | 74         | 41 --- 101     | 2   | 39        |
| Benzene                     | 3.76             | ug/L       | 0.031                |              | 4.00               | 93         | 71 --- 120     | 2   | 17        |
| Bromobenzene                | 3.58             | ug/L       | BDL                  |              | 4.00               | 90         | 63 --- 129     | 0   | 20        |
| Bromochloromethane          | 3.69             | ug/L       | BDL                  |              | 4.00               | 92         | 69 --- 113     | 1   | 22        |
| Bromodichloromethane        | 3.62             | ug/L       | BDL                  |              | 4.00               | 90         | 66 --- 119     | 1   | 20        |
| Bromofluorobenzene          | 96.0             | % Recovery |                      |              | 100                | 96.0       | 75 --- 124     |     | 7         |
| Bromoform                   | 3.31             | ug/L       | BDL                  |              | 4.00               | 83         | 57 --- 116     | 5   | 28        |

**Matrix Spike Duplicate Water**

|                   |        |                |            |                 |         |              |
|-------------------|--------|----------------|------------|-----------------|---------|--------------|
| Analytical Run #: | 155346 | Analysis Date: | 11/09/2018 | Prep Batch #:   | Matrix: | GROUND WATER |
| CTLab #:          | 207820 | Analysis Time: | 03:19      | Prep Date/Time: | Method: | SW8260C      |
| Parent Sample #:  | 207819 | Analyst:       | RLD        | Prep Analyst:   |         |              |

| Analyte                   | QC sample result | Units      | Parent sample result | Qualifier(s) | Spike Amount Added | % Recovery | Control Limits | RPD | RPD Limit |
|---------------------------|------------------|------------|----------------------|--------------|--------------------|------------|----------------|-----|-----------|
| Bromomethane              | 1.53             | ug/L       | BDL                  |              | 4.00               | 38         | 11 --- 144     | 34  | 34        |
| Carbon disulfide          | 8.01             | ug/L       | BDL                  |              | 8.00               | 100        | 62 --- 136     | 2   | 31        |
| Carbon tetrachloride      | 3.79             | ug/L       | BDL                  |              | 4.00               | 95         | 80 --- 133     | 4   | 20        |
| Chlorobenzene             | 3.68             | ug/L       | BDL                  |              | 4.00               | 92         | 69 --- 120     | 1   | 21        |
| Chloroethane              | 4.24             | ug/L       | BDL                  |              | 4.00               | 106        | 61 --- 129     | 2   | 26        |
| Chloroform                | 3.74             | ug/L       | BDL                  |              | 4.00               | 94         | 64 --- 121     | 1   | 18        |
| Chloromethane             | 3.39             | ug/L       | 0.10                 |              | 4.00               | 82         | 58 --- 120     | 2   | 21        |
| cis-1,2-Dichloroethene    | 4.19             | ug/L       | 0.32                 |              | 4.00               | 97         | 71 --- 117     | 1   | 21        |
| cis-1,3-Dichloropropene   | 3.38             | ug/L       | BDL                  |              | 4.00               | 84         | 66 --- 116     | 0   | 21        |
| d8-Toluene                | 102              | % Recovery |                      |              | 100                | 102        | 94 --- 105     |     | 7         |
| Dibromochloromethane      | 3.45             | ug/L       | BDL                  |              | 4.00               | 86         | 64 --- 115     | 2   | 23        |
| Dibromofluoromethane      | 104              | % Recovery |                      |              | 100                | 104        | 90 --- 108     |     | 7         |
| Dibromomethane            | 3.68             | ug/L       | BDL                  |              | 4.00               | 92         | 68 --- 111     | 2   | 21        |
| Dichlorodifluoromethane   | 4.16             | ug/L       | BDL                  |              | 4.00               | 104        | 68 --- 141     | 2   | 22        |
| Diisopropyl ether         | 3.68             | ug/L       | BDL                  |              | 4.00               | 92         | 57 --- 129     | 0   | 27        |
| Ethylbenzene              | 3.77             | ug/L       | BDL                  |              | 4.00               | 94         | 70 --- 128     | 1   | 24        |
| Hexachlorobutadiene       | 3.56             | ug/L       | BDL                  |              | 4.00               | 89         | 57 --- 146     | 4   | 30        |
| Isopropylbenzene          | 3.92             | ug/L       | BDL                  |              | 4.00               | 98         | 72 --- 131     | 1   | 24        |
| m & p-Xylene              | 7.56             | ug/L       | BDL                  |              | 8.00               | 94         | 70 --- 128     | 2   | 28        |
| Methyl tert-butyl ether   | 3.56             | ug/L       | BDL                  |              | 4.00               | 89         | 60 --- 116     | 5   | 33        |
| Methylene chloride        | 3.71             | ug/L       | BDL                  |              | 4.00               | 93         | 29 --- 139     | 5   | 36        |
| n-Butylbenzene            | 3.80             | ug/L       | BDL                  |              | 4.00               | 95         | 67 --- 136     | 3   | 24        |
| n-Propylbenzene           | 3.81             | ug/L       | BDL                  |              | 4.00               | 95         | 64 --- 143     | 2   | 23        |
| Naphthalene               | 3.43             | ug/L       | BDL                  |              | 4.00               | 86         | 58 --- 122     | 1   | 31        |
| o-Xylene                  | 3.78             | ug/L       | BDL                  |              | 4.00               | 94         | 71 --- 123     | 3   | 26        |
| p-Isopropyltoluene        | 3.84             | ug/L       | BDL                  |              | 4.00               | 96         | 71 --- 135     | 2   | 27        |
| sec-Butylbenzene          | 3.89             | ug/L       | BDL                  |              | 4.00               | 97         | 71 --- 137     | 2   | 23        |
| Styrene                   | 3.72             | ug/L       | BDL                  |              | 4.00               | 93         | 70 --- 125     | 4   | 40        |
| tert-Butylbenzene         | 3.70             | ug/L       | BDL                  |              | 4.00               | 92         | 70 --- 133     | 2   | 22        |
| Tetrachloroethene         | 3.97             | ug/L       | BDL                  |              | 4.00               | 99         | 75 --- 127     | 3   | 21        |
| Tetrahydrofuran           | 33.7             | ug/L       | BDL                  |              | 40.0               | 84         | 48 --- 111     | 1   | 28        |
| Toluene                   | 3.84             | ug/L       | BDL                  |              | 4.00               | 96         | 71 --- 120     | 2   | 19        |
| trans-1,2-Dichloroethene  | 3.90             | ug/L       | BDL                  |              | 4.00               | 98         | 72 --- 121     | 1   | 28        |
| trans-1,3-Dichloropropene | 3.33             | ug/L       | BDL                  |              | 4.00               | 83         | 69 --- 109     | 5   | 21        |
| Trichloroethene           | 3.93             | ug/L       | 0.086                |              | 4.00               | 96         | 73 --- 118     | 1   | 19        |
| Trichlorofluoromethane    | 4.38             | ug/L       | BDL                  |              | 4.00               | 110        | 75 --- 134     | 5   | 23        |
| Vinyl acetate             | 34.3             | ug/L       | BDL                  |              | 40.0               | 86         | 55 --- 127     | 1   | 25        |
| Vinyl chloride            | 4.35             | ug/L       | 0.27                 |              | 4.00               | 102        | 61 --- 130     | 2   | 21        |

## Matrix Spike Water

|                   |        |                |            |                 |         |              |
|-------------------|--------|----------------|------------|-----------------|---------|--------------|
| Analytical Run #: | 155346 | Analysis Date: | 11/09/2018 | Prep Batch #:   | Matrix: | GROUND WATER |
| CTLab #:          | 207819 | Analysis Time: | 02:51      | Prep Date/Time: | Method: | SW8260C      |
| Parent Sample #:  | 204697 | Analyst:       | RLD        | Prep Analyst:   |         |              |

| Analyte                     | QC sample result | Units      | Parent sample result | Qualifier(s) | Spike Amount Added | % Recovery | Control Limits | RPD | RPD Limit |
|-----------------------------|------------------|------------|----------------------|--------------|--------------------|------------|----------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane   | 3.64             | ug/L       | BDL                  |              | 4.00               | 91         | 67 --- 122     |     | 21        |
| 1,1,1-Trichloroethane       | 3.84             | ug/L       | BDL                  |              | 4.00               | 96         | 69 --- 128     |     | 20        |
| 1,1,2,2-Tetrachloroethane   | 3.30             | ug/L       | BDL                  |              | 4.00               | 82         | 54 --- 130     |     | 22        |
| 1,1,2-Trichloroethane       | 3.57             | ug/L       | BDL                  |              | 4.00               | 89         | 67 --- 116     |     | 25        |
| 1,1-Dichloroethane          | 3.77             | ug/L       | BDL                  |              | 4.00               | 94         | 64 --- 124     |     | 25        |
| 1,1-Dichloroethene          | 3.97             | ug/L       | BDL                  |              | 4.00               | 99         | 70 --- 130     |     | 24        |
| 1,1-Dichloropropene         | 3.89             | ug/L       | BDL                  |              | 4.00               | 97         | 74 --- 127     |     | 21        |
| 1,2 Dichloroethane-d4       | 101              | % Recovery |                      |              | 100                | 101        | 86 --- 106     |     | 7         |
| 1,2,3-Trichlorobenzene      | 3.67             | ug/L       | BDL                  |              | 4.00               | 92         | 56 --- 134     |     | 31        |
| 1,2,3-Trichloropropane      | 2.89             | ug/L       | BDL                  |              | 4.00               | 72         | 54 --- 117     |     | 26        |
| 1,2,4-Trichlorobenzene      | 3.65             | ug/L       | BDL                  |              | 4.00               | 91         | 56 --- 133     |     | 29        |
| 1,2,4-Trimethylbenzene      | 3.71             | ug/L       | BDL                  |              | 4.00               | 93         | 63 --- 132     |     | 36        |
| 1,2-Dibromo-3-chloropropane | 3.19             | ug/L       | BDL                  |              | 4.00               | 80         | 48 --- 121     |     | 34        |
| 1,2-Dibromoethane           | 3.46             | ug/L       | BDL                  |              | 4.00               | 86         | 66 --- 114     |     | 22        |
| 1,2-Dichlorobenzene         | 3.52             | ug/L       | BDL                  |              | 4.00               | 88         | 63 --- 124     |     | 23        |
| 1,2-Dichloroethane          | 3.57             | ug/L       | BDL                  |              | 4.00               | 89         | 60 --- 117     |     | 21        |
| 1,2-Dichloropropane         | 3.73             | ug/L       | BDL                  |              | 4.00               | 93         | 67 --- 121     |     | 19        |
| 1,3,5-Trimethylbenzene      | 3.80             | ug/L       | BDL                  |              | 4.00               | 95         | 68 --- 130     |     | 34        |
| 1,3-Dichlorobenzene         | 3.68             | ug/L       | BDL                  |              | 4.00               | 92         | 66 --- 126     |     | 22        |
| 1,3-Dichloropropane         | 3.67             | ug/L       | BDL                  |              | 4.00               | 92         | 67 --- 114     |     | 23        |
| 1,4-Dichlorobenzene         | 3.63             | ug/L       | BDL                  |              | 4.00               | 91         | 65 --- 125     |     | 22        |
| 1,4-Dioxane                 | 196              | ug/L       | BDL                  |              | 200                | 98         | 19 --- 208     |     | 20        |
| 2,2-Dichloropropane         | 3.44             | ug/L       | BDL                  |              | 4.00               | 86         | 57 --- 136     |     | 21        |
| 2-Butanone                  | 36.1             | ug/L       | BDL                  |              | 40.0               | 90         | 67 --- 110     |     | 29        |
| 2-Chlorotoluene             | 3.57             | ug/L       | BDL                  |              | 4.00               | 89         | 61 --- 134     |     | 20        |
| 2-Hexanone                  | 34.9             | ug/L       | BDL                  |              | 40.0               | 87         | 51 --- 128     |     | 28        |
| 4-Chlorotoluene             | 3.64             | ug/L       | BDL                  |              | 4.00               | 91         | 65 --- 129     |     | 22        |
| 4-Methyl-2-pentanone        | 36.2             | ug/L       | BDL                  |              | 40.0               | 90         | 55 --- 125     |     | 29        |
| Acetone                     | 29.6             | ug/L       | 0.37                 |              | 40.0               | 73         | 41 --- 101     |     | 39        |
| Benzene                     | 3.85             | ug/L       | 0.031                |              | 4.00               | 95         | 71 --- 120     |     | 17        |
| Bromobenzene                | 3.56             | ug/L       | BDL                  |              | 4.00               | 89         | 63 --- 129     |     | 20        |
| Bromochloromethane          | 3.64             | ug/L       | BDL                  |              | 4.00               | 91         | 69 --- 113     |     | 22        |
| Bromodichloromethane        | 3.66             | ug/L       | BDL                  |              | 4.00               | 92         | 66 --- 119     |     | 20        |
| Bromofluorobenzene          | 97.0             | % Recovery |                      |              | 100                | 97.0       | 75 --- 124     |     | 7         |
| Bromoform                   | 3.14             | ug/L       | BDL                  |              | 4.00               | 78         | 57 --- 116     |     | 28        |
| Bromomethane                | 1.08             | ug/L       | BDL                  |              | 4.00               | 27         | 11 --- 144     |     | 34        |
| Carbon disulfide            | 8.13             | ug/L       | BDL                  |              | 8.00               | 102        | 62 --- 136     |     | 31        |
| Carbon tetrachloride        | 3.95             | ug/L       | BDL                  |              | 4.00               | 99         | 80 --- 133     |     | 20        |
| Chlorobenzene               | 3.71             | ug/L       | BDL                  |              | 4.00               | 93         | 69 --- 120     |     | 21        |
| Chloroethane                | 4.15             | ug/L       | BDL                  |              | 4.00               | 104        | 61 --- 129     |     | 26        |
| Chloroform                  | 3.76             | ug/L       | BDL                  |              | 4.00               | 94         | 64 --- 121     |     | 18        |
| Chloromethane               | 3.33             | ug/L       | 0.10                 |              | 4.00               | 81         | 58 --- 120     |     | 21        |
| cis-1,2-Dichloroethene      | 4.16             | ug/L       | 0.32                 |              | 4.00               | 96         | 71 --- 117     |     | 21        |



**Matrix Spike Water**

|                   |        |                |            |                 |         |              |
|-------------------|--------|----------------|------------|-----------------|---------|--------------|
| Analytical Run #: | 155346 | Analysis Date: | 11/09/2018 | Prep Batch #:   | Matrix: | GROUND WATER |
| CTLab #:          | 207819 | Analysis Time: | 02:51      | Prep Date/Time: | Method: | SW8260C      |
| Parent Sample #:  | 204697 | Analyst:       | RLD        | Prep Analyst:   |         |              |

| Analyte                   | QC sample result | Units      | Parent sample result | Qualifier(s) | Spike Amount Added | % Recovery | Control Limits | RPD | RPD Limit |
|---------------------------|------------------|------------|----------------------|--------------|--------------------|------------|----------------|-----|-----------|
| cis-1,3-Dichloropropene   | 3.39             | ug/L       | BDL                  |              | 4.00               | 85         | 66 --- 116     |     | 21        |
| d8-Toluene                | 100              | % Recovery |                      |              | 100                | 100        | 94 --- 105     |     | 7         |
| Dibromochloromethane      | 3.39             | ug/L       | BDL                  |              | 4.00               | 85         | 64 --- 115     |     | 23        |
| Dibromofluoromethane      | 103              | % Recovery |                      |              | 100                | 103        | 90 --- 108     |     | 7         |
| Dibromomethane            | 3.74             | ug/L       | BDL                  |              | 4.00               | 94         | 68 --- 111     |     | 21        |
| Dichlorodifluoromethane   | 4.07             | ug/L       | BDL                  |              | 4.00               | 102        | 68 --- 141     |     | 22        |
| Diisopropyl ether         | 3.68             | ug/L       | BDL                  |              | 4.00               | 92         | 57 --- 129     |     | 27        |
| Ethylbenzene              | 3.81             | ug/L       | BDL                  |              | 4.00               | 95         | 70 --- 128     |     | 24        |
| Hexachlorobutadiene       | 3.70             | ug/L       | BDL                  |              | 4.00               | 92         | 57 --- 146     |     | 30        |
| Isopropylbenzene          | 3.94             | ug/L       | BDL                  |              | 4.00               | 98         | 72 --- 131     |     | 24        |
| m & p-Xylene              | 7.72             | ug/L       | BDL                  |              | 8.00               | 96         | 70 --- 128     |     | 28        |
| Methyl tert-butyl ether   | 3.74             | ug/L       | BDL                  |              | 4.00               | 94         | 60 --- 116     |     | 33        |
| Methylene chloride        | 3.90             | ug/L       | BDL                  |              | 4.00               | 98         | 29 --- 139     |     | 36        |
| n-Butylbenzene            | 3.92             | ug/L       | BDL                  |              | 4.00               | 98         | 67 --- 136     |     | 24        |
| n-Propylbenzene           | 3.88             | ug/L       | BDL                  |              | 4.00               | 97         | 64 --- 143     |     | 23        |
| Naphthalene               | 3.48             | ug/L       | BDL                  |              | 4.00               | 87         | 58 --- 122     |     | 31        |
| o-Xylene                  | 3.68             | ug/L       | BDL                  |              | 4.00               | 92         | 71 --- 123     |     | 26        |
| p-Isopropyltoluene        | 3.93             | ug/L       | BDL                  |              | 4.00               | 98         | 71 --- 135     |     | 27        |
| sec-Butylbenzene          | 3.97             | ug/L       | BDL                  |              | 4.00               | 99         | 71 --- 137     |     | 23        |
| Styrene                   | 3.87             | ug/L       | BDL                  |              | 4.00               | 97         | 70 --- 125     |     | 40        |
| tert-Butylbenzene         | 3.79             | ug/L       | BDL                  |              | 4.00               | 95         | 70 --- 133     |     | 22        |
| Tetrachloroethene         | 4.10             | ug/L       | BDL                  |              | 4.00               | 102        | 75 --- 127     |     | 21        |
| Tetrahydrofuran           | 33.5             | ug/L       | BDL                  |              | 40.0               | 84         | 48 --- 111     |     | 28        |
| Toluene                   | 3.77             | ug/L       | BDL                  |              | 4.00               | 94         | 71 --- 120     |     | 19        |
| trans-1,2-Dichloroethene  | 3.87             | ug/L       | BDL                  |              | 4.00               | 97         | 72 --- 121     |     | 28        |
| trans-1,3-Dichloropropene | 3.49             | ug/L       | BDL                  |              | 4.00               | 87         | 69 --- 109     |     | 21        |
| Trichloroethene           | 3.88             | ug/L       | 0.086                |              | 4.00               | 95         | 73 --- 118     |     | 19        |
| Trichlorofluoromethane    | 4.17             | ug/L       | BDL                  |              | 4.00               | 104        | 75 --- 134     |     | 23        |
| Vinyl acetate             | 34.6             | ug/L       | BDL                  |              | 40.0               | 86         | 55 --- 127     |     | 25        |
| Vinyl chloride            | 4.25             | ug/L       | 0.27                 |              | 4.00               | 100        | 61 --- 130     |     | 21        |

**Sample Condition Report**

|                                    |  |
|------------------------------------|--|
| Folder #: 140768                   | Print Date / Time: 11/02/2018 12:33            |
| Client: TETRA TECH                 | Received Date / Time / By: 11/02/2018 12:00 DL |
| Project Name: RIPON FF/NN LANDFILL | Log-In Date / Time / By: 11/02/2018 12:30 DRT  |
| Project Phase: RIPON, WI           | Project #: 117-2202061.01 PM: BMS              |
| Coolers: 5113                      | Temperature: 2.2 C On Ice: Y                   |
| Custody Seals Present : N          | COC Present?: Y Complete?: Y                   |
| Seal Intact? N                     | Numbers: NOT PRESENT                           |
| Ship Method: FEDEX EXPRESS         | Tracking Number: 773625999163                  |
| Adequate Packaging: Y              | Temp Blank Enclosed? Y                         |

Notes: THE SAMPLES WERE RECEIVED IN GOOD CONDITION ON ICE.

| Sample ID / Description | Container Type                                       | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|--|------------|------------------|-------|
| <b>204697</b> P-103D    | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | <b>Total # of Containers of Type ( VOA HCL ) = 3</b> |            |                  |       |

| Sample ID / Description | Container Type                                       | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|--|------------|------------------|-------|
| <b>204698</b> P-103     | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | <b>Total # of Containers of Type ( VOA HCL ) = 3</b> |            |                  |       |

| Sample ID / Description | Container Type                                       | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|--|------------|------------------|-------|
| <b>204699</b> MW-103    | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | <b>Total # of Containers of Type ( VOA HCL ) = 3</b> |            |                  |       |

| Sample ID / Description | Container Type                                       | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|--|------------|------------------|-------|
| <b>204700</b> MW-112    | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | <b>Total # of Containers of Type ( VOA HCL ) = 3</b> |            |                  |       |

| Sample ID / Description | Container Type | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|----------------|------------|------------------|-------|
| <b>204701</b> P-107D    | VOA HCL        | 1          | /                | VOC   |
|                         | VOA HCL        | 1          | /                | VOC   |
|                         | VOA HCL        | 1          | /                | VOC   |

Total # of Containers of Type ( VOA HCL ) = 3

| Sample ID / Description | Container Type                                       | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|--|------------|------------------|-------|
| 204702 P-111D           | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | <b>Total # of Containers of Type ( VOA HCL ) = 3</b> |            |                  |       |

| Sample ID / Description | Container Type                                       | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|--|------------|------------------|-------|
| 204703 MW-3A            | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | <b>Total # of Containers of Type ( VOA HCL ) = 3</b> |            |                  |       |

| Sample ID / Description | Container Type                                       | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|--|------------|------------------|-------|
| 204704 MW-3B            | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | <b>Total # of Containers of Type ( VOA HCL ) = 3</b> |            |                  |       |

| Sample ID / Description | Container Type                                       | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|--|------------|------------------|-------|
| 204705 P-117            | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | <b>Total # of Containers of Type ( VOA HCL ) = 3</b> |            |                  |       |

| Sample ID / Description | Container Type                                       | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|--|------------|------------------|-------|
| 204706 P-118            | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | <b>Total # of Containers of Type ( VOA HCL ) = 3</b> |            |                  |       |

| Sample ID / Description | Container Type                                       | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|--|------------|------------------|-------|
| 204707 P-113A           | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | <b>Total # of Containers of Type ( VOA HCL ) = 3</b> |            |                  |       |

| Sample ID / Description | Container Type                                       | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|--|------------|------------------|-------|
| 204708 P-113B           | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | VOA HCL  | 1          | /                | VOC   |
|                         | <b>Total # of Containers of Type ( VOA HCL ) = 3</b> |            |                  |       |

| Sample ID / Description | Container Type | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|----------------|------------|------------------|-------|
|-------------------------|----------------|------------|------------------|-------|

204709 P-116

|  |   |   |     |
|--|---|---|-----|
| VOA HCL  | 1 | / | VOC |
| VOA HCL  | 1 | / | VOC |
| VOA HCL  | 1 | / | VOC |
| <b>Total # of Containers of Type ( VOA HCL ) = 3</b> |   |   |     |

| Sample ID / Description | Container Type | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|----------------|------------|------------------|-------|
|-------------------------|----------------|------------|------------------|-------|

204710 P-114

|  |   |   |     |
|--|---|---|-----|
| VOA HCL  | 1 | / | VOC |
| VOA HCL  | 1 | / | VOC |
| VOA HCL  | 1 | / | VOC |
| <b>Total # of Containers of Type ( VOA HCL ) = 3</b> |   |   |     |

| Sample ID / Description | Container Type | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|----------------|------------|------------------|-------|
|-------------------------|----------------|------------|------------------|-------|

204711 P-114 DUP

|  |   |   |     |
|--|---|---|-----|
| VOA HCL  | 1 | / | VOC |
| VOA HCL  | 1 | / | VOC |
| VOA HCL  | 1 | / | VOC |
| <b>Total # of Containers of Type ( VOA HCL ) = 3</b> |   |   |     |

| Sample ID / Description | Container Type | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|----------------|------------|------------------|-------|
|-------------------------|----------------|------------|------------------|-------|

204712 P-115

|  |   |   |     |
|--|---|---|-----|
| VOA HCL  | 1 | / | VOC |
| VOA HCL  | 1 | / | VOC |
| VOA HCL  | 1 | / | VOC |
| <b>Total # of Containers of Type ( VOA HCL ) = 3</b> |   |   |     |

| Sample ID / Description | Container Type | Cond. Code | pH OK?/Filtered? | Tests |
|-------------------------|----------------|------------|------------------|-------|
|-------------------------|----------------|------------|------------------|-------|

204713 TRIP BLANK

|   |   |   |     |
|---|---|---|-----|
| Trip Blank  | 1 | / | VOC |
| <b>Total # of Containers of Type ( Trip Blank ) = 1</b> |   |   |     |

| <u>Condition Code</u> | <u>Condition Description</u> |
|-----------------------|------------------------------|
| 1                     | Sample Received OK           |

Company: Tetra Tech  
 Project Contact: Ashley Wagner  
 Telephone: 262-792-1282x226  
 Project Name: Ripon FF/NN Landfill  
 Project #: 117-2202061.01  
 Location: Ripon, WI  
 Sampled By: Ashley A. Wagner

1230 Lange Court, Baraboo, WI 53913  
 608-356-2760 Fax 608-356-2766  
 www.ctlaboratories.com  
 Folder #: 140768  
 Company: TETRA TECH  
 Project: RIPON FF/NN LANDFIL  
 Logged By: DRT PM: BM  
 Program: QSM RCRA SDWA NPDES  
 Solid Waste Other \_\_\_\_\_  
 PO #

Report To: Ashley.Wagner@tetrattech.com  
 EMAIL: Mike.Noel@tetrattech.com  
 cliveris@cityofripon.com lrich@cityofripon.com  
 jeff.tracy@bsigroup.com  
 Company: Tetra Tech  
 Address: 175 N. Corporate Dr. Suite 100  
 Brookfield, WI 53045  
 Invoice To: \* Ashley.Wagner@tetrattech.com  
 EMAIL: Mike.Noel@tetrattech.com  
 Company: Tetra Tech  
 Address: Same as above  
 \*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions  
 Please provide GEMS report to Ashley.wagner@tetrattech.com

| Filtered? Y/N | ANALYSES REQUESTED |  |  |  |  |  |  |  |  |  |  |  | Total # Containers | Designated MS/MSD |
|---------------|--------------------|--|--|--|--|--|--|--|--|--|--|--|--------------------|-------------------|
|               |                    |  |  |  |  |  |  |  |  |  |  |  |                    |                   |

Turnaround Time  
 Normal RUSH\*  
 Date Needed: \_\_\_\_\_  
 Rush analysis requires prior  
 CT Laboratories' approval  
 Surcharges:  
 24 hr 200%  
 2-3 days 100%  
 4-9 days 50%

Matrix:  
 GW - groundwater SW - surface water WW - wastewater DW - drinking water  
 S - soil/sediment SL - sludge A - air M - misc/waste

| Collection |       | Matrix | Grab/Comp | Sample # | Sample ID Description | Filtered? Y/N | Fill in Spaces with Bottles per Test |  |  |  |  |  |  |  |  |  |  |        | CT Lab ID #<br>Lab use only |
|------------|-------|--------|-----------|----------|-----------------------|---------------|--------------------------------------|--|--|--|--|--|--|--|--|--|--|--------|-----------------------------|
| Date       | Time  |        |           |          |                       |               |                                      |  |  |  |  |  |  |  |  |  |  |        |                             |
| 10-31-18   | 9:55  | GW     | G         |          | P-103 D               | N             | ✓                                    |  |  |  |  |  |  |  |  |  |  | 204697 |                             |
|            | 10:20 |        |           |          | P-103                 |               | ✓                                    |  |  |  |  |  |  |  |  |  |  | 204698 |                             |
|            | 10:30 |        |           |          | MW-103                |               | ✓                                    |  |  |  |  |  |  |  |  |  |  | 204699 |                             |
|            | 10:45 |        |           |          | MW-112                |               | ✓                                    |  |  |  |  |  |  |  |  |  |  | 204700 |                             |
|            | 11:25 |        |           |          | P-107 D               |               | ✓                                    |  |  |  |  |  |  |  |  |  |  | 204701 |                             |
|            | 11:55 |        |           |          | P-111 D               |               | ✓                                    |  |  |  |  |  |  |  |  |  |  | 204702 |                             |
|            | 12:25 |        |           |          | MW-3A                 |               | ✓                                    |  |  |  |  |  |  |  |  |  |  | 204703 |                             |
|            | 12:45 |        |           |          | MW-3B                 |               | ✓                                    |  |  |  |  |  |  |  |  |  |  | 204704 |                             |
|            | 13:10 |        |           |          | P-117                 |               | ✓                                    |  |  |  |  |  |  |  |  |  |  | 204705 |                             |
|            | 13:35 |        |           |          | P-118                 |               | ✓                                    |  |  |  |  |  |  |  |  |  |  | 204706 |                             |
|            | 14:05 |        |           |          | P-113 A               |               | ✓                                    |  |  |  |  |  |  |  |  |  |  | 204707 |                             |
|            | 14:25 |        |           |          | P-113 B               |               | ✓                                    |  |  |  |  |  |  |  |  |  |  | 204708 |                             |

Relinquished By: Ashley Wagner  
 Received by: \_\_\_\_\_

Date/Time 11/1/18 1400

Received By: \_\_\_\_\_  
 Received for Laboratory by: \_\_\_\_\_  
 140768 - Page 69 of 72

Date/Time 11/1/18 1230  
 Date/Time 11/2/18 12:00

Lab Use Only  
 Ice Present Yes No  
 Temp 2.2 IR Gun 20  
 Cooler # 5113

CHAIN OF CUSTODY

Company: Tetra Tech  
 Project Contact: Ashley Wagner  
 Telephone: 262-792-1282x226  
 Project Name: Ripon FF/NN Landfill  
 Project #: 117-2202061.01  
 Location: Ripon, WI  
 Sampled By: Ashley A. Wagner

**CT LABORATORIES**

1230 Lange Court, Baraboo, WI 53913  
 608-356-2760 Fax 608-356-2766  
 www.ctlaboratories.com

Lab Use Only  
 Place Header Sticker Here:

Program:  
 QSM RCRA SDWA NPDES  
 Solid Waste Other \_\_\_\_\_

PO # \_\_\_\_\_

Report To: [Ashley.Wagner@tetratech.com](mailto:Ashley.Wagner@tetratech.com)  
 EMAIL: [Mike.Noel@tetratech.com](mailto:Mike.Noel@tetratech.com)  
[cliveris@cityofripon.com](mailto:cliveris@cityofripon.com) [lrich@cityofripon.com](mailto:lrich@cityofripon.com)  
[jeff.tracy@bsigroup.com](mailto:jeff.tracy@bsigroup.com)  
 Company: Tetra Tech  
 Address: 175 N. Corporate Dr. Suite 100  
 Brookfield, WI 53045  
 Invoice To: \* [Ashley.Wagner@tetratech.com](mailto:Ashley.Wagner@tetratech.com)  
 EMAIL: [Mike.Noel@tetratech.com](mailto:Mike.Noel@tetratech.com)  
 Company: Tetra Tech  
 Address: Same as above

\*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions  
 Please provide GEMS report to [Ashley.wagner@tetratech.com](mailto:Ashley.wagner@tetratech.com)

ANALYSES REQUESTED

| Matrix   | Collection Date | Time | Matrix | Grab/Comp | Sample # | Sample ID Description | Filtered? Y/N | ANALYSES REQUESTED |  |  |  |  |  |  |  |  |  | Total # Containers | Designated MS/MSD | Turnaround Time<br>Normal RUSH*<br>Date Needed: _____<br><br>Rush analysis requires prior CT Laboratories' approval<br>Surcharges:<br>24 hr 200%<br>2-3 days 100%<br>4-9 days 50% |
|--|-----------------|------|--------|-----------|----------|-----------------------|---------------|--------------------|--|--|--|--|--|--|--|--|--|--------------------|-------------------|---|
|  |                 |      |        |           |          |                       |               | Low Level VOCs     |  |  |  |  |  |  |  |  |  |                    |                   |   |
| Matrix:<br>GW - groundwater SW - surface water WW - wastewater DW - drinking water<br>S - soil/sediment SL - sludge A - air M - misc/waste |                 |      |        |           |          |                       |               |                    |  |  |  |  |  |  |  |  |  |                    |                   |   |
| Fill in Spaces with Bottles per Test   |                 |      |        |           |          |                       |               |                    |  |  |  |  |  |  |  |  |  |                    |                   |   |

| Collection Date | Time  | Matrix | Grab/Comp | Sample # | Sample ID Description | Filtered? Y/N | ANALYSES REQUESTED |              |  |  |  |  |  |  |  |  | Total # Containers | Designated MS/MSD | CT Lab ID #<br><i>Lab use only</i> |        |
|-----------------|-------|--------|-----------|----------|-----------------------|---------------|--------------------|--------------|--|--|--|--|--|--|--|--|--------------------|-------------------|------------------------------------|--------|
| 10-31-18        | 15:05 | GW     | G         |          | P-116                 | N             | ✓                  |              |  |  |  |  |  |  |  |  |                    | 204709            |                                    |        |
| ↓               | 15:35 | ↓      | ↓         |          | P-114                 | ↓             | ✓                  |              |  |  |  |  |  |  |  |  |                    | 204710            |                                    |        |
| ↓               | 15:40 | ↓      | ↓         |          | P-114 Dup             | ↓             | ✓                  |              |  |  |  |  |  |  |  |  |                    | 204711            |                                    |        |
| ↓               | 16:10 | ↓      | ↓         |          | P-115                 | ↓             | ✓                  |              |  |  |  |  |  |  |  |  |                    | 204712            |                                    |        |
| —               | —     | DI     | —         | —        | TRIP Blank            | ↓             | ✓                  | LAB PREPARED |  |  |  |  |  |  |  |  |                    |                   |                                    | 204713 |
|                 |       |        |           |          |                       |               |                    |              |  |  |  |  |  |  |  |  |                    |                   |                                    |        |
|                 |       |        |           |          |                       |               |                    |              |  |  |  |  |  |  |  |  |                    |                   |                                    |        |
|                 |       |        |           |          |                       |               |                    |              |  |  |  |  |  |  |  |  |                    |                   |                                    |        |
|                 |       |        |           |          |                       |               |                    |              |  |  |  |  |  |  |  |  |                    |                   |                                    |        |
|                 |       |        |           |          |                       |               |                    |              |  |  |  |  |  |  |  |  |                    |                   |                                    |        |

|                      |                           |                             |                           |   |
|----------------------|---------------------------|-----------------------------|---------------------------|---|
| Relinquished By:<br> | Date/Time<br>11/1/18 1400 | Received By:<br>            | Date/Time<br>11/2/18 1230 | Lab Use Only<br>Ice Present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <span style="float: right;">20</span> |
| Received by:         | Date/Time                 | Received for Laboratory by: | Date/Time                 | Temp 2.2 IR Gun<br>Cooler # 5113  |

## CT Laboratories Terms and Conditions

Where a purchaser (Client) places an order for laboratory, consulting or sampling services from CT Laboratories (CTL), CTL shall provide the ordered services pursuant to these Terms and Conditions, and the related Quotation, or as agreed in a negotiated contract. In the absence of a written agreement to the contrary, the Order constitutes an acceptance by the Client of CTL's offer to do business under these Terms and Conditions, and an agreement to be bound by these Terms and Conditions. No contrary or additional terms and conditions expressed in a Client's document shall be deemed to become a part of the contract created upon acceptance of these Terms and Conditions, unless accepted by CTL in advance of the start of the project and in writing.

### 1. ORDERS AND RECEIPT OF SAMPLES (Sample Acceptance Policy)

- 1.1 The Client may place the Order (i.e., specify a Scope of Work) either by submitting a purchase order to CTL in writing, by telephone (confirmed in writing) or by negotiated contract. Whichever option the Client selects for placing the Order, the Order shall not be valid unless it contains sufficient information to enable CTL to carry out the Client's requirements. It is the policy of CTL that samples not meeting the acceptance criteria, outlined in the NELAC standards and Section 5.8.3.2 of the DOD QSM, will not be accepted by the laboratory or will be qualified on the final report. All samples submitted to the laboratory must: (a) be accompanied by proper, full and complete documentation, including sample identification, location, date and time of collection, the collector's name, type of preservation (if any), type of sample, any special comments concerning the sample and any additional pertinent fields on the chain-of-custody. In the absence of any of the required information, the laboratory will attempt to contact the client to obtain the information; if unable to obtain the necessary information, the final report will be qualified. (b) samples must be labeled appropriately with a unique sample identification written with indelible ink on water resistant labels. If the laboratory cannot determine the identity of a sample, it may be rejected and the client will be contacted for further instructions or resampling. (c) samples must be in an appropriate sample container. If the container is inappropriate, the client will be contacted for further instructions or resampling. If analysis is possible, the final report will be qualified. CTL can provide a sampling guide containing approved containers and preservations for analytical methods requested. (d) adhere to method specified holding times. If samples are received with less than 1/2 the holding time remaining for the requested test, CTL will make its best effort to analyze the samples and notify the client. If holding times are exceeded, the final report will be qualified. (e) contain adequate sample volume to perform the necessary testing. If sufficient volume is not present, the sample may be rejected and the client will be contacted for further instructions or resampling. If samples show signs of damage, contamination or inadequate preservation, the client will be notified. If analysis can be performed, the final report will be qualified. If not, the samples will be rejected and the client notified for further instructions or resampling. It is the Client's responsibility to understand and package samples correctly and provide the proper amount of temperature control (ice) suitable to current weather conditions.
- 1.2 CTL must be supplied with complete written disclosure of the known or suspected presence of any hazardous substances, as defined by applicable federal or state law. Where any samples which were not accompanied by the required disclosure, cause interruptions in the lab's ability to process work due to contamination of instruments or work areas, the Client will be responsible for the costs of clean up and recovery.
- 1.3 Prior to Sample Acceptance, the entire risk of loss or damage to samples remains with the Client. In no event will CTL have any responsibility or liability for the action or inaction of any carrier shipping or delivering any sample to or from CTL's premises. Client is responsible to assure that any sample containing any hazardous substance which is to be delivered to CTL's premises will be packaged, labeled, transported and delivered properly and in accordance with applicable laws.
- 1.4 Clients using CTL's shipping account(s) do so at their own risk and must purchase separate insurance if they do not wish to assume risk of loss. CTL will not assume any risk whatsoever for any samples outside of CTL's control and not successfully delivered to the laboratory within specified hold times.
- 1.5 CTL will not accept liability for any sample(s), except sample(s) damaged or broken by log-in staff prior to successful log-in of the sample(s) into the CTL LIMS system. This includes, but may not be limited to: complete, valid COC documentation, all sample receiving issues being resolved from a delay caused by the Client in CTL's ability to log-in samples, including missed turnaround and hold times, delay in processing and, ultimately, additional charges to the Client.
- 1.6 CTL will only reject samples per directions from the Client. CTL's sole liability is to inform the Client of any sample receipt issues, and may provide an indication how proceeding with the analysis may affect results and final acceptance by the regulating agency. Ultimately, suitability for use is between the Client and the regulating agency(s).
- 1.7 Signing of this COC by the Client or Client's representative, or directions to CTL via email or Fax constitutes acceptance of these Terms and Conditions, and guarantees payment by the Client to CTL.

### 2. PAYMENT TERMS

- 2.1 Services performed by CTL will be in accordance with prices quoted and later confirmed in writing or as stated in the Price Schedule. Invoices may be submitted to Client upon completion of any sample delivery group. Payment in advance is required for all Clients except those whose credit has been established with CTL. For Clients with approved credit, payment terms are not 30 days from the date of invoice by CTL. All overdue payments are subject to an additional interest and service charge of one and one-half percent (1.5%) or the maximum rate permissible by law, per month or portion thereof from the due date until the date of payment. All fees are charged or billed directly to the Client. The billing of a third party will not be accepted without a statement, signed by the third party that acknowledges and accepts payment responsibility. CTL may suspend work and withhold delivery of data under this order at any time in the event Client fails to make timely payment of its invoices. Client shall be responsible for all costs and expenses of collection including reasonable attorney's fees. CTL reserves the right to refuse to proceed with work at any time based upon an unfavorable Client credit report.

### 3. CHANGE ORDERS, TERMINATION

- 3.1 Changes to the Scope of Work, price, or result delivery date may be initiated by CTL after Sample Acceptance due to any condition which conflicts with analytical, QA or other protocols warranted in these Terms and Conditions. CTL will not proceed with such changes until an agreement with the Client is reached on the amount of any cost, schedule change or technical change to the Scope of Work, and such agreement is documented in writing.
- 3.2 Changes to the Scope of Work, including but not limited to increasing or decreasing the work, changing test and analysis specification or acceleration in the performance of the work may be initiated by the Client after sample acceptance. Such a change will be documented in writing and may result in a change in cost and turnaround time commitment. CTL's acceptance of such changes is contingent upon technical feasibility and operational capacity.
- 3.3 Suspension or termination of all or any part of the work may be initiated by the Client. CTL will be compensated consistent with Section 2 of these Terms and Conditions. CTL will complete all work in progress and be paid in full for all work completed.

### 4. WARRANTIES AND LIABILITY

- 4.1 Where applicable, CTL will use analytical methodologies which are in substantial conformity with published test methods. CTL has implemented these methods in its Laboratory Quality Manuals and referenced Standard Operating Procedures and where the nature or composition of the sample requires it, CTL reserves the right to deviate from these methodologies as necessary or appropriate, based on the reasonable judgment of CTL, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or CTL's Laboratory Quality Manuals. Client may request that CTL perform according to a mutually agreed Quality Assurance Project Plan (QAPP). In the event that samples arrive prior to agreement on a QAPP, CTL will proceed with analyses under its standard Quality Manuals then in effect, and CTL will not be responsible for any resampling or other charges if work must be repeated to comply with a subsequently finalized QAPP.
- 4.2 CTL shall start preparation and/or analysis within holding times provided that Sample Acceptance occurs within 48 hours of sampling or 1/2 of the holding time for the test, whichever is less. Samples received that do not meet this provision will be charged as expedited samples and the appropriate rate will be added accordingly. Where resolution of inconsistencies leading to Sample Acceptance does not occur within this period, CTL will use its best efforts to meet holding times and will proceed with the work provided that, in CTL's judgment, the chain-of-custody or definition of the Scope of Work provide sufficient guidance. Reanalysis of samples to comply with CTL's Quality Manuals will be deemed to have met holding times provided the initial analysis was performed within the applicable holding time. Where reanalysis demonstrates that sample matrix interference is the cause of failure to meet any Quality Manual requirements, the warranty will be deemed to have been met.
- 4.3 CTL warrants that it possesses and maintains all licenses and certifications which are required to perform services under these Terms and Conditions provided that such requirements are specified in writing to CTL prior to Sample Acceptance. CTL will notify the Client in writing of any decertification or revocation of any license, or notice of either, which affects work in progress.
- 4.4 The warranty obligations set forth in Sections 4.1, 4.2 and 4.3 are the sole and exclusive warranties given by CTL in connection with any services performed by CTL or any Results generated from such services, and CTL gives and makes NO OTHER REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. No representative of CTL is authorized to give or make any other representation or warranty or modify this warranty in any way.
- 4.5 Client's sole and exclusive remedy for the breach of warranty in connection with any services performed by CTL will be limited to repeating any services performed, contingent on the Client's providing, at the request of CTL and at the Client's expense, additional sample(s) if necessary. Any reanalysis requested by the Client generating Results consistent with the original Results will be at the Client's expense. If resampling is necessary, CTL's liability for resampling costs will be limited to actual cost or one hundred or one hundred fifty dollars (\$150) per sample, whichever is less.
- 4.6 CTL's liability for any and all causes of action arising hereunder, whether based in contract, tort, warranty, negligence or otherwise, shall be limited to the lesser amount of compensation for the services performed or \$100,000. All claims, including those for negligence, shall be deemed waived unless suit thereon is filed within one year after CTL's completion of the services. Under no circumstances, whether arising in contract, tort (including negligence), or otherwise, shall CTL be responsible for loss of use, loss of profits, or for any special, indirect, incidental or consequential damages occasioned by the services performed or by application or use of the reports prepared.
- 4.7 In no event shall CTL have any responsibility or liability to the Client for any failure or delay in performance by CTL which results, directly or indirectly, in whole or in part, from any cause or circumstance beyond the reasonable control of CTL. Such causes and circumstances shall include, but not be limited to, acts of God, acts of Client, acts or orders of any governmental authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, equipment breakdown, matrix interference or unknown highly contaminated samples that impact instrument operation, unavailability of supplies from usual suppliers, difficulties or delays in transportation, mail or delivery services, or any other cause beyond CTL's reasonable control.

### 5. RESULTS, WORK PRODUCT

- 5.1 Data or information provided to CTL or generated by services performed under this agreement shall only become the property of the Client upon receipt in full by CTL of payment for the whole Order. Ownership of any analytical method, QA/QC protocols, software programs or equipment developed by CTL for performance of work will be retained by CTL, and Client shall not disclose such information to any third party.
- 5.2 Data and sample materials provided by Client or at Client's request, and the result obtained by CTL shall be held in confidence (unless such information is generally available to the public or is in the public domain or Client has failed to pay CTL for all services rendered or is otherwise in breach of these Terms and Conditions), subject to any disclosure required by law or legal process.
- 5.3 Should the Results delivered by CTL be used by the Client or Client's client, even though subsequently determined not to meet the warranties described in these Terms and Conditions, then the compensation will be adjusted based upon mutual agreement. In no case shall the Client unreasonably withhold CTL's right to independently defend its data.
- 5.4 CTL reserves the right to subcontract services ordered by the Client to another laboratory or laboratories, if, in CTL's sole judgment, it is reasonably necessary, appropriate or advisable to do so, and with the Client's permission. CTL will in no way be liable for any subcontracted services and all applicable warranties, guarantees and insurance are those of the subcontracted laboratory.
- 5.5 CTL shall dispose of the Client's samples and extracts 30 days after the analytical report is issued, unless instructed to store them for an alternate period of time or to return such samples to the Client, in a manner consistent with U.S. Environmental Protection Agency regulations or other applicable Federal, state or local requirements. Additional charges will apply for samples or extracts stored longer than 30 days at the Client's request. Any samples for projects that are canceled or not accepted, or for which return was requested, will be returned to the Client at Client expense. CTL reserves the right to return to the Client any sample or unused portion of a sample that is not within CTL's permitted capability or the capabilities of CTL's designated waste disposal vendor(s), or will make arrangements to dispose of these samples at Client direction and expense.
- 5.6 Unless a different time period is agreed to in any order under these Terms and Conditions, CTL agrees to retain all records for five (5) years.
- 5.7 In the event that CTL is required to respond to legal process related to services for Client, Client agrees to reimburse CTL for hourly charges for personnel involved in the response and attorney fees reasonably incurred in obtaining advice concerning the response, preparation to testify, and appearances related to the legal process, travel and all reasonable expenses associated with the litigation.

### 6. INSURANCE

- 6.1 CTL shall maintain in force during the performance of services under these Terms and Conditions, Workers' Compensation and Employers Liability Insurance in accordance with the laws of the states having jurisdiction over CTL's employees who are engaged in the performance of the work. CTL shall also maintain during such period, Comprehensive General and Contractual Liability (limit of \$2,000,000 per occurrence/aggregate), Comprehensive Automobile Liability, owned and hired, (\$1,000,000 combined single limit), and Professional/Pollution Liability Insurance (limit of \$5,000,000 per occurrence/aggregate). Any Client required changes to these limits or conditions will result in a change in cost to the Client.

### 7. AUDIT

- 7.1 Upon prior notice to CTL, the Client may audit and inspect CTL's records and accounts covering reimbursable costs related to work done for the Client, for a period of one (1) year after completion of the work. The purpose of any such audit shall be only for verification of such costs, and CTL shall not be required to provide access to cost records where prices are expressed as fixed fees or published unit prices.

ORIGIN ID: RRLA (292) 792-1282  
ASHLEY WAGNER  
TETRA TECH  
175 N CORPORATE DRIVE  
STE 100  
BROOKFIELD, WI 53045  
UNITED STATES US

SHIP DATE: 01NOV/18  
ACTWGT: 33.00 LB  
CAD: 1104335/NET/4040

BILL SENDER

TO BRETT SZYMANSKI  
CT LABORATORIES  
1230 LANGE COURT

BARABOO WI 53913  
(608) 356-2766  
REF: 117-2202061 01  
NAV: PO: DEPT:

552J168E7/DC/A5



TRK# 0201 7736 2599 9163

FRI - 02 NOV 10:30A  
PRIORITY OVERNIGHT

55 MSNA

WI-US MSN 53913



**After printing this label:**

- 1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
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- 3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Ice Present 2.2 Yes 2.2 No  
Temperature \_\_\_\_\_  
Initials [Signature]  
Date 11/2/18 Time 12:00  
Cooler # 5113

140768



**ATTACHMENT C**  
**GROUNDWATER SAMPLING FIELD FORMS**

**TETRA TECH MULTI-LEVEL MONITOR WELL WATER QUALITY SAMPLING AND ANALYSIS FORM**

| PROJECT INFORMATION  |   |       |       | INSTRUMENTS               |                 |       |                           |       |       |
|--|---|-------|-------|---------------------------|-----------------|-------|---------------------------|-------|-------|
| PROJECT  | FF/NN Landfill  |       |       | Temp. & pH                | MP-20 Flow Cell |       |                           |       |       |
| PROJECT NO.  | 117-2202058.01  |       |       | Conductivity              | MP-20 Flow Cell |       |                           |       |       |
| LOCATION   | Ripon, WI   |       |       | ORP                       | MP-20 Flow Cell |       |                           |       |       |
| PERSONNEL  | Ashley A. Wagner  |       |       | DO                        | MP-20 Flow Cell |       |                           |       |       |
| <b>MONITOR WELL ID</b>   | <b>MW-3A</b>  |       |       | <b>MW-3B</b>              |                 |       | <b>P-113A</b>             |       |       |
| WATER TYPE   | Groundwater   |       |       | Groundwater               |                 |       | Groundwater               |       |       |
| DATE (month/day/year)  | 10-31-18  |       |       | 10-31-18                  |                 |       | 10-31-18                  |       |       |
| STATIC WATER LEVEL (feet)*   | 31.09   |       |       | 29.45                     |                 |       | 13.09                     |       |       |
| WELL DEPTH (feet)*   | 280.1   |       |       | 185.72                    |                 |       | 325.31                    |       |       |
| PUMP INLET DEPTH (feet)*   | 67.5  |       |       | 54.5                      |                 |       | 73.5                      |       |       |
| START PURGE TIME (Military)  | 12:05   |       |       | 12:30                     |                 |       | 13:50                     |       |       |
| END PURGE TIME (Military)  | 12:20   |       |       | 12:45                     |                 |       | 14:05                     |       |       |
| PURGE VOLUME (gallons)   | 1.5   |       |       | 1.5                       |                 |       | 0.5                       |       |       |
| SAMPLE TIME (Military)   | 12:25   |       |       | 12:45                     |                 |       | 14:05                     |       |       |
| STABILIZED INDICATOR PARAMETERS READINGS                                       | 1st   | 2nd   | 3rd   | 1st                       | 2nd             | 3rd   | 1st                       | 2nd   | 3rd   |
| TIME (minutes since initial reading)   | 0:00  | 1:00  | 2:00  | 0:00                      | 1:00            | 2:00  | 0:00                      | 2:00  | 4:00  |
| TEMPERATURE (° C)  | 9.81  | 9.86  | 9.89  | 9.71                      | 9.72            | 9.72  | 14.52                     | 14.47 | 14.56 |
| ELECTRICAL CONDUCTANCE at 25° C (ms/cm)  | 0.527   | 0.527 | 0.528 | 0.661                     | 0.665           | 0.662 | 0.504                     | 0.513 | 0.513 |
| DISSOLVED OXYGEN (ppm)   | 0.46  | 0.40  | 0.37  | 0.33                      | 0.31            | 0.29  | 2.12                      | 1.95  | 1.80  |
| pH   | 7.65  | 7.61  | 7.58  | 8.05                      | 7.98            | 7.94  | 7.96                      | 7.88  | 7.82  |
| DISSOLVED OXYGEN (% Sat.)  | 4.0   | 3.5   | 3.3   | 2.9                       | 2.7             | 2.6   | 20.8                      | 19.2  | 17.7  |
| ORP (mV)   | -125  | -120  | -114  | -230                      | -224            | -219  | -99                       | -107  | -111  |
| COLOR  | Clear   |       |       | Clear                     |                 |       | Clear                     |       |       |
| ODOR   | Weak Rotten Eggs  |       |       | Rotten Eggs               |                 |       | None                      |       |       |
| CLARITY  | Clear   |       |       | Clear                     |                 |       | Clear                     |       |       |
| SAMPLING PARAMETERS  | # OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO) |       |       |                           |                 |       |                           |       |       |
| VOCs (EPA Method SW 8260B)   | 3 – 40 ml; G; HCl – L; No   |       |       | 3 – 40 ml; G; HCl – L; No |                 |       | 3 – 40 ml; G; HCl – L; No |       |       |
| Sample Blank (use water from well, zero)                                       | 0.0   |       |       | NM                        |                 |       | 0.0                       |       |       |
| Iron +2 (mg/L) (Hach DR 900 test 255) using reagent powder pillow (wait 3 min) | 0.02  |       |       | Cup spilled               |                 |       | 0.13                      |       |       |
| DI water with reagent powder pillow  |   |       |       |                           |                 |       |                           |       |       |
| July results:  | 0.10  |       |       | 0.86                      |                 |       | 0.08                      |       |       |
| NAME OF LABORATORY   | CT Laboratories   |       |       | CT Laboratories           |                 |       | CT Laboratories           |       |       |
| DATE SENT TO LAB   | 11/1/18   |       |       | 11/1/18                   |                 |       | 11/1/18                   |       |       |
| SAMPLER=S NAME   | Ashley A. Wagner  |       |       | Ashley A. Wagner          |                 |       | Ashley A. Wagner          |       |       |

\*Measured from top of well casing.

**TETRA TECH MULTI-LEVEL MONITOR WELL WATER QUALITY SAMPLING AND ANALYSIS FORM**

| PROJECT INFORMATION  |   |       |       | INSTRUMENTS               |                 |       |                           |       |       |
|--|---|-------|-------|---------------------------|-----------------|-------|---------------------------|-------|-------|
| PROJECT  | FF/NN Landfill  |       |       | Temp. & pH                | MP-20 Flow Cell |       |                           |       |       |
| PROJECT NO.  | 117-2202058.01  |       |       | Conductivity              | MP-20 Flow Cell |       |                           |       |       |
| LOCATION   | Ripon, WI   |       |       | ORP                       | MP-20 Flow Cell |       |                           |       |       |
| PERSONNEL  | Ashley A. Wagner  |       |       | DO                        | MP-20 Flow Cell |       |                           |       |       |
| <b>MONITOR WELL ID</b>   | <b>P-113B</b>   |       |       | <b>P-103</b>              |                 |       | <b>P-103D</b>             |       |       |
| WATER TYPE   | Groundwater   |       |       | Groundwater               |                 |       | Groundwater               |       |       |
| DATE (month/day/year)  | 10-31-18  |       |       | 10-31-18                  |                 |       | 10-31-18                  |       |       |
| STATIC WATER LEVEL (feet)*   | 13.12   |       |       | 48.37                     |                 |       | 49.31                     |       |       |
| WELL DEPTH (feet)*   | 198.9   |       |       | 83.02                     |                 |       | 192.66                    |       |       |
| PUMP INLET DEPTH (feet)*   | 48.5  |       |       | 69.5                      |                 |       | 87.5                      |       |       |
| START PURGE TIME (Military)  | 14:10   |       |       | 10:00                     |                 |       | 9:35                      |       |       |
| END PURGE TIME (Military)  | 14:22   |       |       | 10:15                     |                 |       | 9:50                      |       |       |
| PURGE VOLUME (gallons)   | 1.0   |       |       | 2.0                       |                 |       | 2.0                       |       |       |
| SAMPLE TIME (Military)   | 14:25   |       |       | 10:20                     |                 |       | 9:55                      |       |       |
| STABILIZED INDICATOR PARAMETERS READINGS                                       | 1st   | 2nd   | 3rd   | 1st                       | 2nd             | 3rd   | 1st                       | 2nd   | 3rd   |
| TIME (minutes since initial reading)   | 0:00  | 1:00  | 2:00  | 0:00                      | 1:00            | 2:00  | 0:00                      | 1:00  | 2:00  |
| TEMPERATURE (° C)  | 10.81   | 10.92 | 10.89 | 9.98                      | 9.97            | 9.96  | 9.96                      | 9.94  | 9.95  |
| ELECTRICAL CONDUCTANCE at 25° C (ms/cm)  | 0.629   | 0.620 | 0.624 | 0.708                     | 0.701           | 0.700 | 0.744                     | 0.732 | 0.735 |
| DISSOLVED OXYGEN (ppm)   | 0.32  | 0.30  | 0.29  | 0.92                      | 0.83            | 0.77  | 0.75                      | 0.70  | 0.65  |
| pH   | 7.75  | 7.73  | 7.71  | 7.01                      | 7.02            | 7.02  | 6.81                      | 6.83  | 6.84  |
| DISSOLVED OXYGEN (% Sat.)  | 2.9   | 2.7   | 2.6   | 8.1                       | 7.3             | 6.8   | 6.7                       | 6.2   | 5.8   |
| ORP (mV)   | -145  | -144  | -143  | -85                       | -88             | -90   | -95                       | -97   | -99   |
| COLOR  | Clear   |       |       | Clear                     |                 |       | Clear                     |       |       |
| ODOR   | None  |       |       | None                      |                 |       | None                      |       |       |
| CLARITY  | Clear   |       |       | Clear                     |                 |       | Clear                     |       |       |
| SAMPLING PARAMETERS  | # OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO) |       |       |                           |                 |       |                           |       |       |
| VOCs (EPA Method SW 8260B)   | 3 – 40 ml; G; HCl – L; No   |       |       | 3 – 40 ml; G; HCl – L; No |                 |       | 3 – 40 ml; G; HCl – L; No |       |       |
| Sample Blank (use water from well, zero)                                       | 0.0   |       |       | 0.0                       |                 |       | 0.0                       |       |       |
| Iron +2 (mg/L) (Hach DR 900 test 255) using reagent powder pillow (wait 3 min) | 0.89  |       |       | 2.77                      |                 |       | 2.13                      |       |       |
| DI water with reagent powder pillow  |   |       |       |                           |                 |       |                           |       |       |
| July results:  | 0.69  |       |       | 2.81                      |                 |       | 2.67                      |       |       |
| NAME OF LABORATORY   | CT Laboratories   |       |       | CT Laboratories           |                 |       | CT Laboratories           |       |       |
| DATE SENT TO LAB   | 11/1/18   |       |       | 11/1/18                   |                 |       | 11/1/18                   |       |       |
| SAMPLER=S NAME   | Ashley A. Wagner  |       |       | Ashley A. Wagner          |                 |       | Ashley A. Wagner          |       |       |

\*Measured from top of well casing.

**TETRA TECH MULTI-LEVEL MONITOR WELL WATER QUALITY SAMPLING AND ANALYSIS FORM**

| PROJECT INFORMATION  |   |       |       | INSTRUMENTS               |                 |       |  |
|--|---|-------|-------|---------------------------|-----------------|-------|--|
| PROJECT  | FF/NN Landfill  |       |       | Temp. & pH                | MP-20 Flow Cell |       |  |
| PROJECT NO.  | 117-2202058.01  |       |       | Conductivity              | MP-20 Flow Cell |       |  |
| LOCATION   | Ripon, WI   |       |       | ORP                       | MP-20 Flow Cell |       |  |
| PERSONNEL  | Ashley A. Wagner  |       |       | DO                        | MP-20 Flow Cell |       |  |
| <b>MONITOR WELL ID</b>   | <b>P-111D</b>   |       |       | <b>P-107D</b>             |                 |       |  |
| WATER TYPE   | Groundwater   |       |       | Groundwater               |                 |       |  |
| DATE (month/day/year)  | 10-31-18  |       |       | 10-31-18                  |                 |       |  |
| STATIC WATER LEVEL (feet)*   | 34.27   |       |       | 51.29                     |                 |       |  |
| WELL DEPTH (feet)*   | 151.0   |       |       | 327.95                    |                 |       |  |
| PUMP INLET DEPTH (feet)*   | 151.0   |       |       | 76.5                      |                 |       |  |
| START PURGE TIME (Military)  | 11:40   |       |       | 11:00                     |                 |       |  |
| END PURGE TIME (Military)  | 11:55   |       |       | 11:20                     |                 |       |  |
| PURGE VOLUME (gallons)   | 1.5   |       |       | 2.5                       |                 |       |  |
| SAMPLE TIME (Military)   | 11:55   |       |       | 11:25                     |                 |       |  |
| STABILIZED INDICATOR PARAMETERS READINGS                                       | 1st   | 2nd   | 3rd   | 1st                       | 2nd             | 3rd   |  |
| TIME (minutes since initial reading)   | 0:00  | 1:00  | 2:00  | 0:00                      | 1:00            | 2:00  |  |
| TEMPERATURE (° C)  | 9.93  | 9.95  | 9.94  | 10.09                     | 10.16           | 10.18 |  |
| ELECTRICAL CONDUCTANCE at 25° C (ms/cm)  | 0.813   | 0.813 | 0.813 | 0.541                     | 0.548           | 0.557 |  |
| DISSOLVED OXYGEN (ppm)   | 0.65  | 0.56  | 0.53  | 0.53                      | 0.50            | 0.47  |  |
| pH   | 7.54  | 7.51  | 7.51  | 7.40                      | 7.39            | 7.42  |  |
| DISSOLVED OXYGEN (% Sat.)  | 5.7   | 5.0   | 4.7   | 4.7                       | 4.5             | 4.2   |  |
| ORP (mV)   | -94   | -98   | -101  | -62                       | -61             | -63   |  |
| COLOR  | Clear   |       |       | Clear                     |                 |       |  |
| ODOR   | None  |       |       | None                      |                 |       |  |
| CLARITY  | Clear   |       |       | Clear                     |                 |       |  |
| SAMPLING PARAMETERS  | # OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO) |       |       |                           |                 |       |  |
| VOCs (EPA Method SW 8260B)   | 3 – 40 ml; G; HCl – L; No   |       |       | 3 – 40 ml; G; HCl – L; No |                 |       |  |
| Sample Blank (use water from well, zero)                                       | 0.0   |       |       | 0.0                       |                 |       |  |
| Iron +2 (mg/L) (Hach DR 900 test 255) using reagent powder pillow (wait 3 min) | 1.13  |       |       | 0.08                      |                 |       |  |
| DI water with reagent powder pillow  |   |       |       |                           |                 |       |  |
| July results:  | 1.19  |       |       | NM                        |                 |       |  |
| NAME OF LABORATORY   | CT Laboratories   |       |       | CT Laboratories           |                 |       |  |
| DATE SENT TO LAB   | 11/1/18   |       |       | 11/1/18                   |                 |       |  |
| SAMPLER=S NAME   | Ashley A. Wagner  |       |       | Ashley A. Wagner          |                 |       |  |

\*Measured from top of well casing.

**TETRA TECH MULTI-LEVEL MONITOR WELL WATER QUALITY SAMPLING AND ANALYSIS FORM**

| PROJECT INFORMATION  |   |       |       | INSTRUMENTS               |                 |       |                           |       |       |
|--|---|-------|-------|---------------------------|-----------------|-------|---------------------------|-------|-------|
| PROJECT  | FF/NN Landfill  |       |       | Temp. & pH                | MP-20 Flow Cell |       |                           |       |       |
| PROJECT NO.  | 117-2202058.01  |       |       | Conductivity              | MP-20 Flow Cell |       |                           |       |       |
| LOCATION   | Ripon, WI   |       |       | ORP                       | MP-20 Flow Cell |       |                           |       |       |
| PERSONNEL  | Ashley A. Wagner  |       |       | DO                        | MP-20 Flow Cell |       |                           |       |       |
| <b>MONITOR WELL ID</b>   | <b>P-114/Dup</b>  |       |       | <b>P-115</b>              |                 |       | <b>P-116</b>              |       |       |
| WATER TYPE   | Groundwater   |       |       | Groundwater               |                 |       | Groundwater               |       |       |
| DATE (month/day/year)  | 10-31-18  |       |       | 10-31-18                  |                 |       | 10-31-18                  |       |       |
| STATIC WATER LEVEL (feet)*   | 19.16   |       |       | 22.46                     |                 |       | 26.20                     |       |       |
| WELL DEPTH (feet)*   | 181.72  |       |       | 179.57                    |                 |       | 163.19                    |       |       |
| PUMP INLET DEPTH (feet)*   | 53.5  |       |       | 53.5                      |                 |       | 163                       |       |       |
| START PURGE TIME (Military)  | 15:22   |       |       | 15:55                     |                 |       | 14:45                     |       |       |
| END PURGE TIME (Military)  | 15:35   |       |       | 16:07                     |                 |       | 15:00                     |       |       |
| PURGE VOLUME (gallons)   | 3.0   |       |       | 2.5                       |                 |       | 1.0                       |       |       |
| SAMPLE TIME (Military)   | 15:35/15:40   |       |       | 16:10                     |                 |       | 15:05                     |       |       |
| STABILIZED INDICATOR PARAMETERS READINGS                                       | 1st   | 2nd   | 3rd   | 1st                       | 2nd             | 3rd   | 1st                       | 2nd   | 3rd   |
| TIME (minutes since initial reading)   | 0:00  | 1:00  | 2:00  | 0:00                      | 1:00            | 2:00  | 0:00                      | 2:00  | 4:00  |
| TEMPERATURE (° C)  | 10.12   | 10.08 | 10.09 | 10.22                     | 10.21           | 10.20 | 11.32                     | 11.33 | 11.29 |
| ELECTRICAL CONDUCTANCE at 25° C (ms/cm)  | 0.725   | 0.725 | 0.727 | 0.596                     | 0.597           | 0.598 | 0.500                     | 0.495 | 0.497 |
| DISSOLVED OXYGEN (ppm)   | 0.22  | 0.22  | 0.21  | 0.28                      | 0.27            | 0.25  | 0.47                      | 0.44  | 0.40  |
| pH   | 7.62  | 7.61  | 7.59  | 7.74                      | 7.70            | 7.69  | 7.73                      | 7.71  | 7.69  |
| DISSOLVED OXYGEN (% Sat.)  | 2.0   | 2.0   | 1.9   | 2.5                       | 2.4             | 2.2   | 4.3                       | 4.0   | 36    |
| ORP (mV)   | -141  | -141  | -141  | -140                      | -141            | -141  | -112                      | -110  | -106  |
| COLOR  | Clear   |       |       | Clear                     |                 |       | Pinkish Gray              |       |       |
| ODOR   | None  |       |       | None                      |                 |       | None                      |       |       |
| CLARITY  | Clear   |       |       | Clear                     |                 |       | Clear                     |       |       |
| SAMPLING PARAMETERS  | # OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO) |       |       |                           |                 |       |                           |       |       |
| VOCs (EPA Method SW 8260B)   | 3 – 40 ml; G; HCl – L; No   |       |       | 3 – 40 ml; G; HCl – L; No |                 |       | 3 – 40 ml; G; HCl – L; No |       |       |
|  | **TOOK DUP AT 15:40**   |       |       |                           |                 |       |                           |       |       |
| Sample Blank (use water from well, zero)                                       | 0.0   |       |       | 0.0                       |                 |       | 0.0                       |       |       |
| Iron +2 (mg/L) (Hach DR 900 test 255) using reagent powder pillow (wait 3 min) | 0.76  |       |       | 0.68                      |                 |       | 0.16                      |       |       |
| DI water with reagent powder pillow  |   |       |       |                           |                 |       |                           |       |       |
| June results:  | 0.1   |       |       | 1.02                      |                 |       | 0.56                      |       |       |
| NAME OF LABORATORY   | CT Laboratories   |       |       | CT Laboratories           |                 |       | CT Laboratories           |       |       |
| DATE SENT TO LAB   | 11/1/18   |       |       | 11/1/18                   |                 |       | 11/1/18                   |       |       |
| SAMPLER-S NAME   | Ashley A. Wagner  |       |       | Ashley A. Wagner          |                 |       | Ashley A. Wagner          |       |       |

**TETRA TECH MULTI-LEVEL MONITOR WELL WATER QUALITY SAMPLING AND ANALYSIS FORM**

| PROJECT INFORMATION   |  |            |            | INSTRUMENTS               |                 |            |  |
|---|--|------------|------------|---------------------------|-----------------|------------|--|
| PROJECT   | FF/NN Landfill   |            |            | Temp. & pH                | MP-20 Flow Cell |            |  |
| PROJECT NO.   | 117-2202058.01   |            |            | Conductivity              | MP-20 Flow Cell |            |  |
| LOCATION  | Ripon, WI  |            |            | ORP                       | MP-20 Flow Cell |            |  |
| PERSONNEL   | Ashley A. Wagner   |            |            | DO                        | MP-20 Flow Cell |            |  |
| <b>MONITOR WELL ID</b>  | <b>P-117</b>   |            |            | <b>P-118</b>              |                 |            |  |
| WATER TYPE  | Groundwater  |            |            | Groundwater               |                 |            |  |
| DATE (month/day/year)   | 10-31-18   |            |            | 10-31-18                  |                 |            |  |
| STATIC WATER LEVEL (feet)*  | 14.81  |            |            | 7.58                      |                 |            |  |
| WELL DEPTH (feet)*  | 165.54   |            |            | 167.8                     |                 |            |  |
| PUMP INLET DEPTH (feet)*  | 163  |            |            | 165                       |                 |            |  |
| START PURGE TIME (Military)   | 12:55  |            |            | 13:23                     |                 |            |  |
| END PURGE TIME (Military)   | 13:05  |            |            | 13:32                     |                 |            |  |
| PURGE VOLUME (gallons)  | 2.5  |            |            | 1.5                       |                 |            |  |
| SAMPLE TIME (Military)  | 13:10  |            |            | 13:35                     |                 |            |  |
| <b>STABILIZED INDICATOR PARAMETERS READINGS</b>                                       | <b>1st</b>   | <b>2nd</b> | <b>3rd</b> | <b>1st</b>                | <b>2nd</b>      | <b>3rd</b> |  |
| TIME (minutes since initial reading)  | 0:00   | 1:00       | 2:00       | 0:00                      | 1:00            | 2:00       |  |
| TEMPERATURE (° C)   | 10.54  | 10.54      | 10.54      | 10.96                     | 10.96           | 10.95      |  |
| ELECTRICAL CONDUCTANCE at 25° C (ms/cm)   | 0.717  | 0.721      | 0.720      | 0.549                     | 0.550           | 0.549      |  |
| DISSOLVED OXYGEN (ppm)  | 0.34   | 0.31       | 0.29       | 0.33                      | 0.29            | 0.27       |  |
| pH  | 7.55   | 7.51       | 7.48       | 7.74                      | 7.70            | 7.67       |  |
| DISSOLVED OXYGEN (% Sat.)   | 3.1  | 2.8        | 2.6        | 3.0                       | 2.6             | 2.4        |  |
| ORP (mV)  | -126   | -125       | -124       | -110                      | -108            | -109       |  |
| COLOR   | Clear  |            |            | Clear                     |                 |            |  |
| ODOR  | None   |            |            | None                      |                 |            |  |
| CLARITY   | Clear  |            |            | Clear                     |                 |            |  |
| <b>SAMPLING PARAMETERS</b>  | <b># OF CONTAINERS &amp; VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)</b> |            |            |                           |                 |            |  |
| <b>VOCs (EPA Method SW 8260B)</b>   | 3 – 40 ml; G; HCl – L; No  |            |            | 3 – 40 ml; G; HCl – L; No |                 |            |  |
| <b>Sample Blank</b><br>(use water from well, zero)                                    | 0.0  |            |            | 0.0                       |                 |            |  |
| <b>Iron +2 (mg/L)</b> (Hach DR 900 test 255) using reagent powder pillow (wait 3 min) | 1.12   |            |            | 0.29                      |                 |            |  |
| <b>DI water with reagent powder pillow</b>  |  |            |            |                           |                 |            |  |
| <b>Juneresults:</b>   | 1.31   |            |            | 0.17                      |                 |            |  |
| <b>NAME OF LABORATORY</b>   | CT Laboratories  |            |            | CT Laboratories           |                 |            |  |
| <b>DATE SENT TO LAB</b>   | 11/1/18  |            |            | 11/1/18                   |                 |            |  |
| <b>SAMPLER=S NAME</b>   | Ashley A. Wagner   |            |            | Ashley A. Wagner          |                 |            |  |

\*Measured from top of well casing.

## TETRA TECH FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM

| PROJECT INFORMATION  |   |                         | INSTRUMENTS  |                 |  |
|--|---|-------------------------|--------------|-----------------|--|
| PROJECT  | FF/NN Landfill  |                         | Temp. & pH   | MP-20 Flow Cell |  |
| PROJECT NO.  | 117-2202058.01  |                         | Conductivity | MP-20 Flow Cell |  |
| LOCATION   | Ripon, WI   |                         | ORP          | MP-20 Flow Cell |  |
| PERSONNEL  | Ashley A. Wagner  |                         | DO           | MP-20 Flow Cell |  |
| <b>SAMPLE POINT</b>  | <b>MW-103</b>   | <b>MW-112</b>           |              |                 |  |
| WATER TYPE   | <b>Groundwater</b>  | <b>Groundwater</b>      |              |                 |  |
| DATE (month/day/year)  | 10-18-17  | 10-18-17                |              |                 |  |
| CLOCK TIME (Military)  | 10:30   | 10:45                   |              |                 |  |
| DEPTH TO WATER (ft)*   | 49.89   | 53.21                   |              |                 |  |
| MEASURED WELL DEPTH (ft)*  | 53.69   | 60.47                   |              |                 |  |
| CASING VOLUME (gallons)  | 0.62  | 1.2                     |              |                 |  |
| PURGE VOLUME (gallons)   | 2.5   | 4.5                     |              |                 |  |
| DEPTH SAMPLE TAKEN (ft)*   | 53.0  | 60.0                    |              |                 |  |
| SAMPLING DEVICE  | Dedicated Bailer  | Dedicated Bailer        |              |                 |  |
| FIELD TEMPERATURE (°C)   | 9.38  | 10.91                   |              |                 |  |
| pH   | 7.07  | 7.13                    |              |                 |  |
| ELEC. COND. (uS/cm)  | Measured  | NM                      | NM           |                 |  |
|  | at 25° C  | 1.078                   | 0.702        |                 |  |
| ORP (mV)   | 20  | -65                     |              |                 |  |
| DISSOLVED OXYGEN (ppm)   | 5.18  | 2.02                    |              |                 |  |
| DISSOLVED OXYGEN (% Sat.)  | 45.5  | 18.3                    |              |                 |  |
| COLOR  | Clear   | Clear                   |              |                 |  |
| ODOR   | None  | None                    |              |                 |  |
| CLARITY  | Clear   | Clear                   |              |                 |  |
| SAMPLING PARAMETERS  | # OF CONTAINERS & VOLUME; CONTAINER TYPE (A = AMBER GLASS; G = GLASS; P = PLASTIC); PRESERVATIVE TYPE (L = LAB ADDED; F = FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO) |                         |              |                 |  |
| VOCs (8260B)   | 3 – 40 ml; G; HCl-L; No   | 3 – 40 ml; G; HCl-L; No |              |                 |  |
| Sample Blank (use water from well, zero)                                       | 0.0   | 0.0                     |              |                 |  |
| Iron +2 (mg/L) (Hach DR 900 test 255) using reagent powder pillow (wait 3 min) | 0.02  | 2.11                    |              |                 |  |
| DI water with reagent powder pillow  |   |                         |              |                 |  |
| NAME OF LABORATORY   | Pace Analytical   | Pace Analytical         |              |                 |  |
| DATE SENT TO LAB   | 11/1/18   | 11/1/18                 |              |                 |  |
| SAMPLER-S NAME   | Ashley A. Wagner  | Ashley A. Wagner        |              |                 |  |

\*Measured from top of well casing.

**ATTACHMENT D**

**LANDFILL GAS EXTRACTION SYSTEM MONITORING**





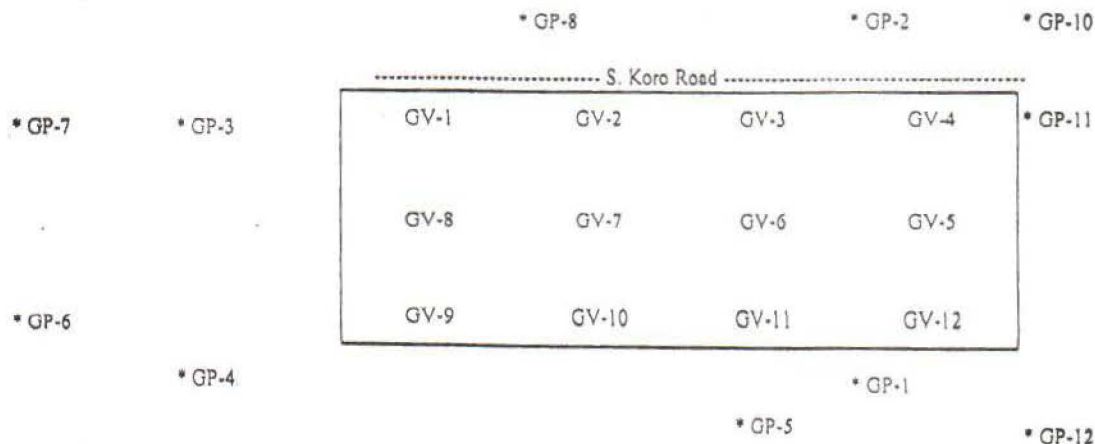
### GAS PROBE DATA MONITORING POINTS

Project: FF/NN Landfill  
 Location: Rinon, Wisconsin  
 Personnel: Jeremy Less  
 Water level in buried knockout tank      "

Barometric Pressure: 29.0 " Hg  
 Temperature (ambient): 45° F  
 Measuring Device: Eagle  
 In Trailer Vacuum Gage 1.5 "Hg

~~\*LEL~~

| Date    | Time | Measurement Point | % CH <sub>4</sub> | % CO <sub>2</sub> | % O <sub>2</sub> | Comments                |
|---------|------|-------------------|-------------------|-------------------|------------------|-------------------------|
| 6/24/18 | 1043 | Background        | *0                | 0.0               | 20.9             |                         |
|         | 1050 | LC-1              | <del>2.73</del>   | <del>0.22</del>   | <del>20.9</del>  | 19.0                    |
|         | 1108 | LC-2              | <del>96.5</del>   | 3.8               | 18.6             |                         |
|         | 1055 | LC-3              | 31.5              | 25.6              | 3.2              |                         |
|         |      |                   |                   |                   |                  |                         |
|         | 1053 | GV-6              | 10.0              | 12.2              | 10.3             |                         |
|         |      |                   |                   |                   |                  |                         |
|         | 1045 | GP-1              | *0                | 0.2               | 20.9             |                         |
|         | 1145 | GP-1              | *0                | 0.0               | 20.9             | 2 <sup>nd</sup> Reading |
|         |      |                   |                   |                   |                  |                         |
|         | 1047 | Exhaust           | 6.5               | 5.8               | 16.2             |                         |
|         |      |                   |                   |                   |                  |                         |
|         |      |                   |                   |                   |                  |                         |
|         |      |                   |                   |                   |                  |                         |



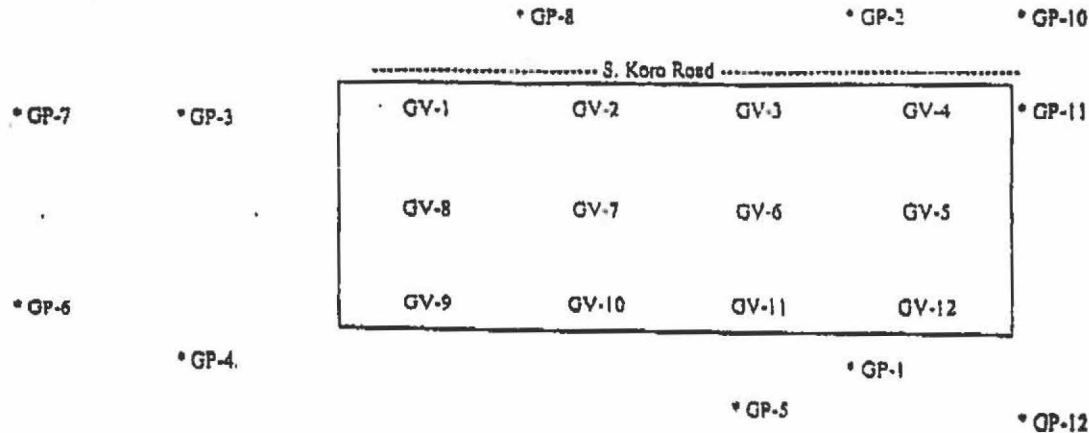


**GAS PROBE DATA MONITORING POINTS**

Project: FF/NN Landfill  
 Location: Ripon, Wisconsin  
 Personnel: Jeremy Jess  
 Water level in buried knockout tank \_\_\_\_\_ " **#LEL**

Barometric Pressure: 29.2 Hg  
 Temperature (ambient): 22 F  
 Measuring Device: Eagle  
 In Trailer Vacuum Gage: 1.0 "Hg

| Date    | Time | Measurement Point | % CH <sub>4</sub> | % CO <sub>2</sub> | % O <sub>2</sub> | Comments                |
|---------|------|-------------------|-------------------|-------------------|------------------|-------------------------|
| 11/9/18 | 0737 | Background        | 0                 | 0                 | 20.9             |                         |
|         | 0743 | LC-1              | #68               | 3.0               | 18.8             |                         |
|         | 0751 | LC-2              | #2                | 0.0               | 20.9             |                         |
|         | 0749 | LC-3              | 28.5              | 25.0              | 2.9              |                         |
|         |      |                   |                   |                   |                  |                         |
|         | 0745 | GV-6              | 11.0              | 13.2              | 32               |                         |
|         |      |                   |                   |                   |                  |                         |
|         | 0738 | GP-1              | #0.0              | 0.0               | 19.5             |                         |
|         | 0838 | GP-1              | #0.0              | 0.0               | 20.9             | 2 <sup>nd</sup> reading |
|         | 0739 | Exhaust           | 6.5               | 6.2               | 15.8             |                         |
| 11/9/18 |      |                   |                   |                   |                  |                         |
|         |      |                   |                   |                   |                  |                         |
|         |      |                   |                   |                   |                  |                         |
|         |      |                   |                   |                   |                  |                         |





TETRA TECH GEO

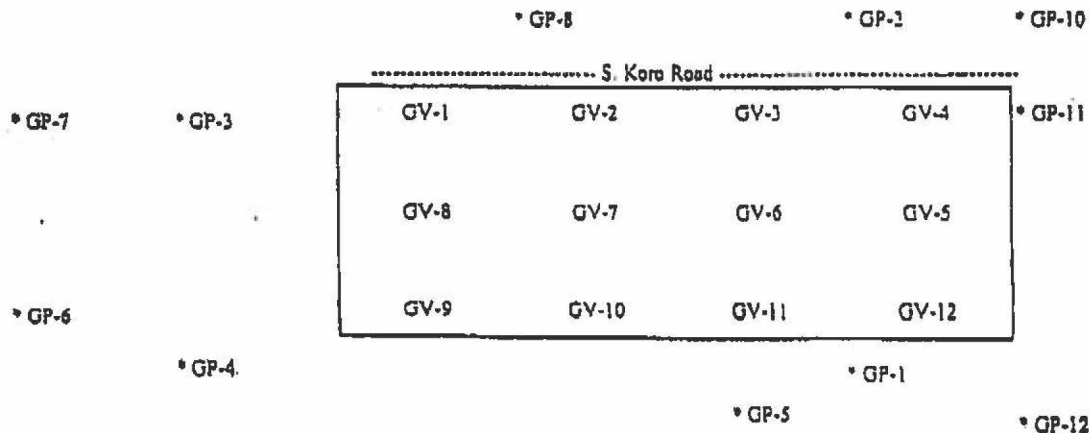
GAS PROBE DATA MONITORING POINTS

Project: FF/NN Landfill  
 Location: Rinon, Wisconsin  
 Personnel: Jeremy Jess  
 Water level in buried knockout tank: —"

Barometric Pressure: 29.1" Hg  
 Temperature (ambient): 20° F  
 Measuring Device: Eagle  
 In Trailer Vacuum Gage: 1.0 "Hg

#LEL

| Date     | Time | Measurement Point | % CH <sub>4</sub> | % CO <sub>2</sub> | % O <sub>2</sub> | Comments                |
|----------|------|-------------------|-------------------|-------------------|------------------|-------------------------|
| 11/21/18 | 0714 | Background        | 0                 | 0                 | 20.9             |                         |
|          | 0719 | LC-1              | #52               | 2.8               | 19.1             |                         |
|          | 0726 | LC-2              | #1.0              | 0                 | 20.9             |                         |
|          | 0724 | LC-3              | 26.0              | 22.8              | 4.5              |                         |
|          |      |                   |                   |                   |                  |                         |
|          | 0722 | GV-6              | 5.0               | 13.2              | 7.3              |                         |
|          |      |                   |                   |                   |                  |                         |
|          | 0715 | GP-1              | 0                 | 0.2               | 20.9             |                         |
|          | 0815 | GP-1              | 0                 | 0                 | 20.9             | 2 <sup>nd</sup> reading |
|          |      |                   |                   |                   |                  |                         |
|          | 0716 | Exhaust           | #83               | 4.6               | 17.0             |                         |
| 11/21/18 |      |                   |                   |                   |                  |                         |
|          |      |                   |                   |                   |                  |                         |
|          |      |                   |                   |                   |                  |                         |
|          |      |                   |                   |                   |                  |                         |





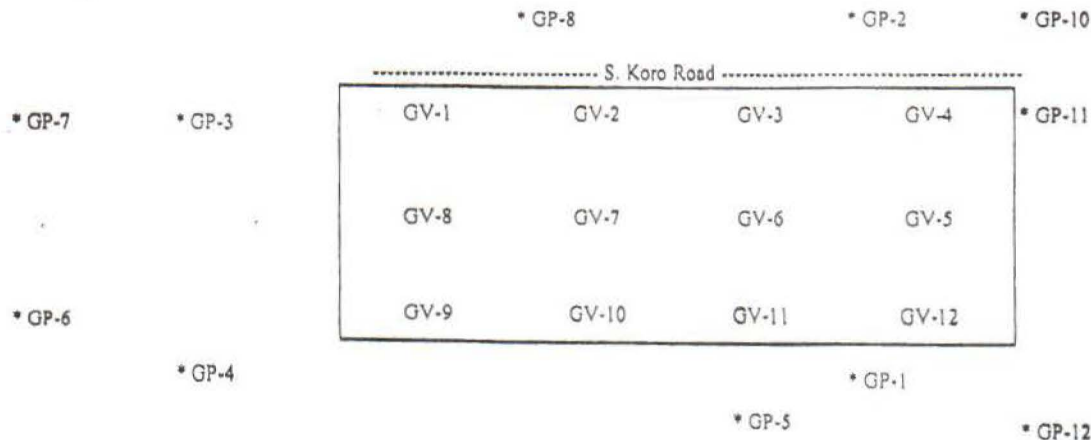
### GAS PROBE DATA MONITORING POINTS

Project: FF/NN Landfill  
 Location: Rinon, Wisconsin  
 Personnel: Jeremy Jess  
 Water level in buried knockout tank \_\_\_\_\_ "

Barometric Pressure: 29.2" Hg  
 Temperature (ambient): 20° F  
 Measuring Device: Eagle  
 In Trailer Vacuum Gage 0.5 "Hg

\* LEL

| Date     | Time | Measurement Point | % CH <sub>4</sub> | % CO <sub>2</sub> | % O <sub>2</sub> | Comments       |
|----------|------|-------------------|-------------------|-------------------|------------------|----------------|
| 12/16/18 | 1255 | Background        | 0                 | 0.0               | 20.9             |                |
|          | 1305 | LC-1              | *27               | 1.4               | 20.6             |                |
|          | 1313 | LC-2              | 25.5              | 17.4              | 19.5             |                |
|          | 1310 | LC-3              | 31.0              | 25.2              | 2.5              |                |
|          |      |                   |                   |                   |                  |                |
|          | 1308 | GV-6              | 6.5               | 11.4              | 4.4              |                |
|          |      |                   |                   |                   |                  |                |
|          | 1300 | GP-1              | *0                | 0.5               | 20.9             |                |
|          | 1400 | GP-1              | *1                | 0.0               | 20.9             | second reading |
|          | 1302 | Exhaust           | *57               | 3.0               | 13.4             |                |
| 12/16/18 |      |                   |                   |                   |                  |                |
|          |      |                   |                   |                   |                  |                |
|          |      |                   |                   |                   |                  |                |
|          |      |                   |                   |                   |                  |                |



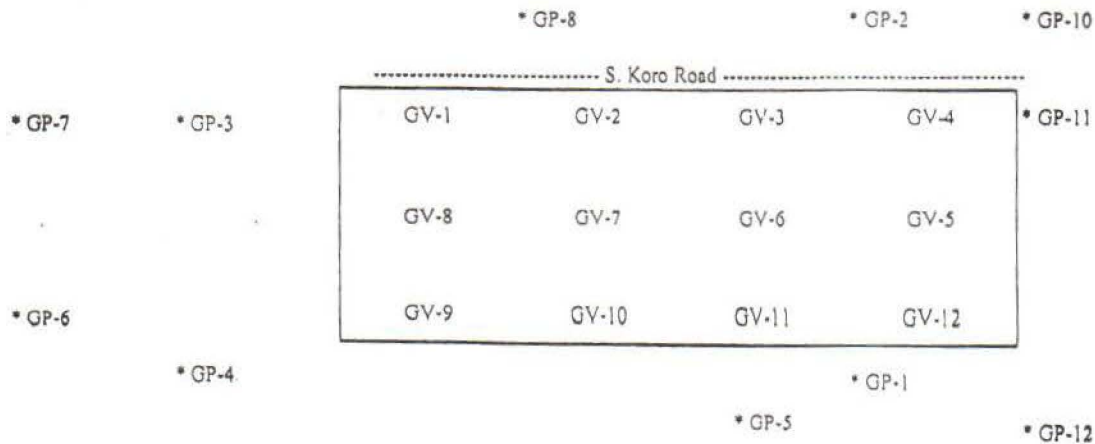


### GAS PROBE DATA MONITORING POINTS

Project: FF/NN Landfill  
 Location: Rinon, Wisconsin  
 Personnel: Jeremy Jess  
 Water level in buried knockout tank 0 " KLFL

Barometric Pressure: 28.7 Hg  
 Temperature (ambient): 36° F  
 Measuring Device: Engle  
 In Trailer Vacuum Gage: 0.5 "Hg

| Date                | Time | Measurement Point | % CH <sub>4</sub> | % CO <sub>2</sub> | % O <sub>2</sub> | Comments       |
|---------------------|------|-------------------|-------------------|-------------------|------------------|----------------|
| <del>12-20-18</del> | 1238 | Background        | 0                 | 0                 | 20.9             |                |
|                     | 1258 | LC-1              | 17.5              | 12.0              | 11.8             |                |
|                     | 1304 | LC-2              | 15.0              | 10.4              | 13.6             |                |
|                     | 1302 | LC-3              | 30.5              | 24.8              | 3.2              |                |
|                     |      |                   |                   |                   |                  |                |
|                     | 1300 | GV-6              | 9.0               | 9.8               | 11.0             |                |
|                     |      |                   |                   |                   |                  |                |
|                     | 1240 | GP-1              | +LELOO            | 0.0               | 20.9             |                |
|                     | 1340 | GP-1              | 0                 | 0                 | 20.9             | second reading |
|                     |      |                   |                   |                   |                  |                |
|                     | 1255 | Exhaust           | * 74              | 3.2               | 18.2             |                |
|                     |      |                   |                   |                   |                  |                |
|                     |      |                   |                   |                   |                  |                |
|                     |      |                   |                   |                   |                  |                |
|                     |      |                   |                   |                   |                  |                |



**ATTACHMENT E**

**GROUNDWATER MONITORING PROGRAM APPROVAL, APRIL 18, 2013  
AND CONDITIONAL APPROVAL, JUNE 8, 2017**

State of Wisconsin  
DEPARTMENT OF NATURAL RESOURCES  
101 S. Webster Street  
Box 7921  
Madison WI 53707-7921

Scott Walker, Governor  
Cathy Stepp, Secretary  
Telephone 608-266-2621  
FAX 608-267-3579  
TTY Access via relay - 711



April 18, 2013

Nelson Olavarria (Representative for the Ripon FF/NN Landfill Potentially Responsible Party (PRP) Group)  
Cooper Industries  
600 Travis Street, #5600  
Houston, TX. 77210

SUBJECT: Conditional Approval of Revised Groundwater Monitoring Program for the Ripon HWY  
FF/NN Landfill  
Ripon HWY FF/NN Landfill  
License #467, Ripon, WI  
**WDNR BRRTS #02-20-000915**

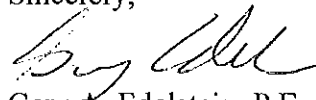
Dear Mr. Olavarria:

The Department and US EPA have completed the review of your request for revisions to the approved groundwater monitoring program, prepared for you by Tetra Tech Inc., received on March 21, 2013 as part of the Status Report and January, 2013 Sampling Event submittal. The Department is approving the revisions subject to the following condition.

The revised monitoring plan shall follow the attached Department revised monitoring schedule table 8 for wells to be sampled, sample parameters and sampling frequency.

The Department appreciates your efforts to restore the environment at this site. Should you have any questions regarding this letter, please call me at (608)267-7563 or email me at [gary.edelstein@wisconsin.gov](mailto:gary.edelstein@wisconsin.gov). Thank you for your cooperation.

Sincerely,



Gary A. Edelstein, P.E.  
Waste Management Engineer  
Remediation & Redevelopment Program

Attach.

cc: Kevin McKnight, DNR - [ecopy](mailto:ecopy)  
Bernard Schorle, EPA – [ecopy](mailto:ecopy) - [schorle.bernard@epa.gov](mailto:schorle.bernard@epa.gov)  
Mike Noel, Tetra Tech – [ecopy](mailto:ecopy) – [Mike.Noel@tetrattech.com](mailto:Mike.Noel@tetrattech.com)  
Lori Rich, City of Ripon – [ecopy](mailto:ecopy) – [lrich@cityofripon.com](mailto:lrich@cityofripon.com)

Table 8. Groundwater Monitoring Schedule

FF/NN Landfill, Ripon, WI

DNR

| Stratigraphic Layer | Sampling Point             | Gradient    | Current Plan (4/8/11) |     |      | Results             | Proposed Plan |     |      |
|---------------------|----------------------------|-------------|-----------------------|-----|------|---------------------|---------------|-----|------|
|                     |                            |             | Water Level           | MNA | VOCs |                     | Water Level   | MNA | VOCs |
| Layer 1             | MW-101                     | U           | Q                     |     | A    | ND                  | A             |     | Drop |
| Layer 1             | MW-102                     | S           | Q                     |     | A    | ND                  | A             |     | Drop |
| Layer 1             | MW-103                     | D           | Q                     | Q   | Q    | TCE>PALS<ES         | SA            | SA  | SA   |
| Layer 1             | MW-104                     | Within      | Q                     |     | SA   | chlorobenzene <PALS | A             |     | A    |
| Layer 1             | MW-106                     | S           | Q                     |     | A    | ND                  | A             |     | Drop |
| Layer 1             | MW-107                     | D           | Q                     |     | SA   | ND                  | A             |     | A    |
| Layer 1             | MW-108                     | S           | Q                     |     | A    | ND                  | A             |     | Drop |
| Layer 1             | MW-111                     | D           | Q                     |     | A    | ND                  | A             |     | Drop |
| Layer 1             | MW-112                     | D           | Q                     | Q   | Q    | VC ND past 6 events | SA            | SA  | SA   |
| Layer 2             | P-101                      | U           | Q                     |     | A    | ND                  | A             |     | Drop |
| Layer 2             | P-102                      | S           | Q                     |     | A    | ND                  | A             |     | Drop |
| Layer 2             | P-103                      | D           | Q                     | Q   | Q    | VC ND past 3 events | SA            | SA  | SA   |
| Layer 2             | P-104                      | Beneath     | Q                     |     | A    | ND                  | A             |     | Drop |
| Layer 2             | P-106                      | S           | Q                     |     | A    | ND                  | A             |     | A    |
| Layer 2             | P-107                      | D           | Q                     |     | SA   | VC ND last event    | A             |     | A    |
| Layer 2             | P-108                      | S           | Q                     |     | A    | ND                  | A             |     | Drop |
| Layer 2             | P-111                      | D           | Q                     |     | A    | ND                  | A             |     | Drop |
| Layer 3             | MW-3B                      | D           | Q                     | Q   | Q    | ND                  | Q             | Q   | Q    |
| Layer 3             | P-103D                     | D           | Q                     | Q   | Q    | VC ND past 3 events | Q             | Q   | Q    |
| Layer 3             | P-111D                     | D           | Q                     | Q   | Q    | VC>ES               | Q             | Q   | Q    |
| Layer 3             | P-113B                     | D           | Q                     | Q   | Q    | ND                  | Q             | Q   | Q    |
| Layer 3             | P-114                      | D           | Q                     | Q   | Q    | VC>ES               | Q             | Q   | Q    |
| Layer 3             | P-115                      | D           | Q                     | Q   | Q    | VC>ES               | Q             | Q   | Q    |
| Layer 3             | P-116                      | D           | Q                     | Q   | Q    | ND                  | Q             | Q   | Q    |
| Layer 4             | MW-3A                      | D           | Q                     | Q   | Q    | ND                  | Q             | Q   | Q    |
| Layer 4             | P-107D                     | D           | Q                     | Q   | Q    | VC>ES               | Q             | Q   | Q    |
| Layer 4             | P-113A                     | D           | Q                     | Q   | Q    | ND                  | Q             | Q   | Q    |
| Private Wells       | Baneck                     | D           |                       |     | A    |                     |               |     | A    |
| Private Wells       | Gastra                     | D           |                       |     | A    |                     |               |     | A    |
| Private Wells       | Rohde                      | D           |                       |     | A    |                     |               |     | A    |
| Landfill            | Leachate LH-1              | Within      | A                     |     | A    |                     | A             |     | A    |
| Landfill            | Leachate LH-2              | Within      | A                     |     | A    |                     | A             |     | A    |
| Landfill            | Leachate LH-3              | Within      | A                     |     | A    |                     | A             |     | A    |
| Landfill            | Gas VOCs LH-1              | Within      |                       |     | Q    |                     |               |     | A    |
| Landfill            | Gas VOCs LH-2              | Within      |                       |     | Q    |                     |               |     | A    |
| Landfill            | Gas VOCs LH-3              | Within      |                       |     | Q    |                     |               |     | A    |
| Landfill            | Gas VOCs GV-6              | Within      |                       |     | Q    |                     |               |     | A    |
| Landfill            | Gas VOCs GP-3              | D           |                       |     | Q    |                     |               |     | A    |
| Landfill            | Cap Inspection On Landfill | On Landfill |                       |     | A    |                     |               |     | A    |

Q = Quarterly (Jan, Jul, Oct); A = Annual (Apr) SA = Semi-Annual



State of Wisconsin  
DEPARTMENT OF NATURAL RESOURCES  
101 S. Webster Street  
Box 7921  
Madison WI 53707-7921

Scott Walker, Governor  
Cathy Stepp, Secretary  
Telephone 608-266-2621  
FAX 608-267-3579  
TTY Access via relay - 711



June 8, 2017

Jeffrey Tracy (Representative for the Ripon FF/NN Landfill Potentially Responsible Party (PRP) Group)  
Quantum Management Group, Inc.  
216 N. Green Bay Road, Suite 201  
Thiensville, WI 53002

SUBJECT: Proposed Second Replacement Sentinel Monitoring Well Work Plan Approval for the  
Ripon HWY FF/NN Landfill  
License #467, Ripon, WI  
**WDNR BRRTS #02-20-000915**

Dear Mr. Tracy:

The Department has reviewed the proposal for second new sentinel monitoring well (P-118) prepared by Tetra Tech and received by email on June 6, 2017. The proposal is approved subject to the following condition:

1. Monitoring well P-117 and new monitoring well P-118 shall follow the same sampling frequency and parameters as P-116. This is quarterly monitoring to include water levels, VOCs, and natural attenuation parameters. The groundwater monitoring plan that was approved in our April 18, 2013 letter approval is hereby amended to include this condition.

The Department will evaluate the need for monitoring of the 2 private wells at a regular frequency at N8851 CTH PP, the Schroeder and Washkovick wells, based on the monitoring results for new well P-118.

The Department appreciates your efforts to restore the environment at this site. Should you have any questions regarding this letter, please call me at (608)267-7563 or email me at [gary.edelstein@wisconsin.gov](mailto:gary.edelstein@wisconsin.gov). Thank you for your cooperation.

Sincerely,

Gary A. Edelstein  
Waste Management Engineer  
Remediation & Redevelopment Program

Attach.

cc: Rick Joslin, DNR - [ecopy](mailto:ecopy)  
Mary Tierney, EPA – [ecopy](mailto:ecopy) – [tierney.mary@epa.gov](mailto:tierney.mary@epa.gov)  
Mike Noel, Tetra Tech – [ecopy](mailto:ecopy) – [Mike.Noel@tetrattech.com](mailto:Mike.Noel@tetrattech.com)  
Lori Rich, City of Ripon – [ecopy](mailto:ecopy) – [lrich@cityofripon.com](mailto:lrich@cityofripon.com)