

SEMIANNUAL STATUS REPORT FOR SECOND HALF 2009
FF/NN LANDFILL
RIPON, WISCONSIN

January 19, 2010

Prepared For:

FF/NN Landfill PRP Group

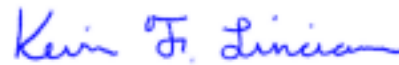
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Project No. 2202.040



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SEMIANNUAL STATUS REPORT FOR SECOND HALF 2009

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CONTRACT SF-92-01
SEMIANNUAL STATUS REPORT FOR SECOND HALF 2009

SITE NAME/ACTIVITY:

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

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

PREPARED BY:

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DATE:

January 19, 2010

FIELD ACTIVITIES THIS REPORTING PERIOD

- Groundwater elevations were measured at 27 monitoring wells during the July and October 2009 sampling events. Water levels in Layer 4 wells were measured consecutively to avoid any effects from municipal pumping.
- Three private drinking wells were sampled for VOCs during the July 2009 event. The sampling program followed the plan approved by the WDNR in a letter dated July 26, 2007.
- A total of 23 monitoring wells and three private drinking wells were sampled for VOCs during the October 2009 event. Water samples from eighteen of these monitoring wells and three private drinking wells were analyzed for natural attenuation parameters that include iron II, methane, nitrate, nitrite sulfate and sulfite. Two duplicate samples were collected for quality control. The sampling program followed the plan approved by the WDNR in a letter dated October 21, 2009.
- Landfill gas monitoring in gas probes, monitoring wells and extraction points along with gas sampling at LC-1, LC-2, LC-3, GV-6 and GP-3 was conducted during the July and October 2009 sampling events. Each gas sample was submitted to the laboratory for VOC analyses.
- A pressure test was conducted on the interim landfill gas extraction system. The test was conducted on August 28, 2009 in accordance with Addendum #1: Engineering Design Plans and Specifications by GeoTrans, Inc. dated December 22, 2006.
- A landfill cap inspection was conducted on November 4, 2009.

RESULTS OF FIELD ACTIVITIES

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 July 2009 sampling event, groundwater elevations were measured in all 27 monitoring wells by Jack Wendler from the City of Ripon. For the October 2009 sampling event, groundwater elevations were measured in all 27 monitoring wells by GeoTrans personnel. These elevations are provided in Table 1 and shown on Figures 1 through 8. Each layer is discussed separately below.

Layer 1 Wells

Layer 1 contains nine wells with screen elevations ranging from 812 feet to 821 feet MSL. All of these well screens intersect the water table. The groundwater elevations are displayed on Figures 1 through 2 and Chart 1. Compared to the previous event in April 2009, water table elevations have decreased in all nine wells. The average decrease was 0.4 feet from April to July 2009 and 0.9 feet from July to October 2009.

Historically, the groundwater flow direction in this layer has been to the southwest. During the July and October 2009 events, the groundwater flow was to the southwest.

Layer 2 Wells

Layer 2 contains eight wells with screen elevations ranging from 774 feet to 792 feet MSL. The groundwater potentiometric surface for this layer is displayed on Figures 3 through 4 and Chart 2. From April to July 2009, water level elevations decreased in seven wells and increased slightly in P-108. The average decrease in the seven wells was 0.3 feet while P-108 increased 0.06 feet. Water levels decreased in all wells from July to October 2009 with an average decrease of 0.9 feet.

Historically, the groundwater flow direction in this layer has been to the southwest. During the July and October 2009 events, flow was to the south-southwest.

Layer 3 Wells

Layer 3 contains seven wells with screen elevations ranging from 634 feet to 704 feet MSL. The groundwater potentiometric surface for this layer is displayed on Figures 5 through 6 and Chart 3. From April to July 2009, water elevations decreased in all seven wells an average of 0.9 feet. Water levels have continued to decrease from July to October 2009 in all the wells an average of 0.7 feet.

Historically, the groundwater flow direction in this layer has been southwesterly and becomes westerly further downgradient. The July and October 2009 groundwater flow direction is consistent with the historical results

Layer 4 Wells

Layer 4 contains three wells with screen elevations ranging from 508 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 Figures 7 through 8 and Chart 4. Water elevations decreased in all three wells with an average decrease of 1.6 feet from April to July 2009. Water levels continued to decrease in the three wells from July to October 2009 an average of 0.7 feet.

Historically, the groundwater flow direction in this layer has been to the southeast. Since pumping at the City of Ripon Municipal Well # 9 was terminated in May, 2007 the flow direction has been to the west. During the July and October 2009 events, flow was to the west. Subsequent to the October sampling event, the City restarted the pumping of Well # 9.

Groundwater Monitoring Event - Monitoring Well Sampling

The revised groundwater monitoring program as modified by WDNR correspondence dated July 26, 2007 was followed for the July 2009 sampling event. The revised groundwater monitoring program as modified by WDNR correspondence dated October 21, 2009 was followed for the October 2009 sampling event. A table showing the monitoring schedule for each well is provided in Attachment B. The groundwater samples were analyzed for volatile organic compounds (VOCs) using EPA Method 8260B. Analytical results and field forms are provided in Attachments C and D, respectively. The VOC analytical results for the monitoring wells are tabulated in Table 2. The temporal trend of chlorinated compound concentrations in all wells is provided in Charts 27 through 53.

Natural attenuation parameters were taken on selected wells during the October 2009 sampling event. The DO and ORP along with temperature, pH and conductivity were measured using a QED MP20 MicroPurge Flow Cell Meter. The iron II, nitrate, nitrite, sulfate and sulfide were measured in the field using CHEMetrics analyte specific Vacu-vials® for photometric analysis using a CHEMetrics Model V-2000 LED photometer. For dissolved methane, groundwater samples were collected and submitted to Pace Analytical Laboratories for analysis using AM20GAX, an enhanced version of RSK-175.

Following is a summary of the October 2009 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 discussed previously. Natural attenuation parameters are discussed after the section on VOC analytical results.

Please note that chloromethane, which is not routinely detected at the site, was detected at low levels (1.1 to 1.6 ug/L) in 5 monitoring wells and 3 private wells in the October 2009 samples and is suspected of being a sampling or lab artifact. Chloromethane can be naturally occurring and released to the air when grass, leaves or wood are burned and may be formed in tap water that has been chlorinated (ATSDR Public Health Statement Chloromethane, December 1998).

Layer 1 Wells

MW-101	No detection of any VOC.
MW-103	No compounds exceeded NR 140 Enforcement Standards (ES). Vinyl chloride (VC) has not been detected since May 2007. Trichloroethene (TCE) exceeded its preventative action limit (PAL) with a concentration of 2.4 ppb. Cis-1,2-dichloroethene (DCE) was detected below its PAL for the first time since April 2006.
MW-104	No compounds exceeded the NR 140 PAL. VC has not been detected in this well since April 2006 and benzene has not been detected since October 2007.
MW-107	Chloromethane (lab artifact) was detected above the PAL with a concentration of 1.6 ppb.
MW-108	No detection of any VOC.
MW-111	No detection of any VOC.
MW-112	No detection of any VOC. VC has not been detected since May 2008. DCE was detected in April 2009 but was not detected in this sampling event.

Layer 2 Wells

P-101	No detection of any VOC.
P-102	No detection of any VOC.
P-103	No detection of any VOC. VC was last detected in May 2008.
P-106	No detection of any VOC.
P-107	Chloromethane (lab artifact) was detected above its PAL at 1.6 ppb.
P-111	No detection of any VOC.

Layer 3 Wells

MW-3B	No detection of any VOC.
P-103D	Chloromethane (lab artifact) was detected above its PAL at 1.1 ppb.
P-111D	VC exceeded its ES at 5.0 ppb. DCE and chloroethane were detected at concentrations below NR 140 standards.
P-113B	No detection of any VOC.
P-114	VC exceeded its ES at 4.7 ppb which is the lowest concentration since April 2005. Chloromethane (lab artifact) was detected above its PAL at a concentration of 1.5 ppb. DCE was detected at a concentration below NR 140 standards.
P-115	VC exceeded its ES at 1.3 ppb. This concentration is consistent with the last two sampling rounds and is slightly higher than previous results. Chloromethane (lab artifact) was detected above its PAL at 1.6 ppb.
P-116	No detection of any VOC.

Layer 4 Wells

MW-3A	No detection of any VOC.
P-107D	VC exceeded its ES at 2.0 ppb. This concentration is lower than the last sampling round.
P-113A	No detection of any VOC.

Natural Attenuation Parameters

Because VC is the sole remaining contaminant of concern and because VC reduction is most commonly an aerobic process via direct oxidation, MNA parameters that can demonstrate oxidative conditions were taken. MNA parameter monitoring was conducted on wells vertically and horizontally up-gradient, within and down-gradient of the VC plume. Based on EPA (1998) guidance iron II, nitrite, sulfide, methane, dissolved oxygen and ORP were taken as indirect evidence of natural attenuation.

The results for October 2009 show some secondary evidence that natural attenuation of VC is occurring. Sulfide was below 0.2 ppm in 80% of the Layer 3 and 4 wells. Nitrite was below 0.08 ppm in 70% of the Layer 3 and 4 wells. Methane was below 0.5 ppm in all of the Layer 3 and 4 monitoring wells.

Groundwater Monitoring Event - Private Drinking Water Well Sampling

Historically, seven private wells have been sampled. Four of these wells (Altnau, Hadel, Miller and Wiese) have either been abandoned or converted to monitoring wells. The remaining three wells (Perry/Watkins, Gaastra and Rohde) were sampled by Jack Wendler from the City of Ripon on July 22, 2009 and analyzed for volatile organic compounds (VOCs) using EPA Method 524.2 (Safe Drinking Water Act). These wells were sampled by GeoTrans personnel on October 29 and November 4, 2009. In addition to VOC analysis, the October samples were also analyzed for natural attenuation parameters including iron II, methane, nitrite and sulfite. Analytical results and field forms are provided in Attachments C and D, respectively. The VOC analytical results for the private drinking water wells are tabulated in Table 3.

During the July 2009 event, acetone was detected in the Perry/Watkins and Gaastra samples. Acetone was also detected in the Gaastra sample in October 2009. This compound is a common lab solvent and is believed to be a laboratory artifact. Chloromethane was detected below the LOQ in the Rohde sample in July. Chloromethane was also detected at low levels but above the PAL in the Rohde, Gaastra and Perry/Watkins samples in October 2009. These concentrations were very low and are believed to be a sampling or lab artifact. Chloromethane can be naturally occurring and released to the air when grass, leaves or wood are burned and may be formed in tap water that has been chlorinated.

Interim Landfill Gas Extraction System Performance Monitoring

Results of the gas monitoring are in presented in Tables 3 and 4 and Charts 1-26.

Current 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%. One balancing modification to the daily run time cycle was made due to increasing oxygen levels above 5% in one or more extraction wells:

- August 24, 2009: the system's daily cycle was decreased to 6 hours on and 18 hours off due to oxygen levels higher than 5% in GV-6.

Gas samples for VOC analysis were collected July 27 and October 27, 2009. The results are summarized on Table 6 and the lab report is included in Attachment C. The samples show no detectable vinyl chloride in any well during either round except for at LC-3 where it was detected in both the July and October samples. Although the results show an increase in VOCs at LC-3 during the last two sampling events, VOC's have been significantly reduced since startup of the extraction system.

Monitoring of the gas probes and wells outside the limits of fill indicates that the gas extraction system has controlled gas migration from the fill area since startup in March 2006. Gas concentrations in all exterior wells and gas probes have been consistently below the methane LEL during this semi-annual period.

A pressure test was conducted on the interim landfill gas extraction system. The test was conducted on August 28, 2009 in accordance with Addendum #1: Engineering Design Plans and Specifications by GeoTrans, Inc. dated December 22, 2006. Each leg of piping was isolated and compressed air was added until a pressure of 5 pounds per square inch (PSI) was obtained. The pressure was monitored in each leg of piping for 10 minutes. The pressure readings were recorded and are located in Attachment D. Leg 1 and 3 maintained over 90 percent of the applied pressure in the 10 minute period. Leg 2 maintained over 85 percent of the applied pressure. The pressure readings indicate that the piping is functioning properly and that the minor losses noted are not significant.

UPCOMING ACTIVITIES PLANNED

Groundwater sampling, private water well sampling, water level measurements and landfill gas extraction point sampling will be conducted in January 2010. It is proposed that only monitoring wells containing vinyl chloride (P-107D, P-111D, P-114 and P-115) and the three private wells will be sampled for VOCs during the next two quarterly events.

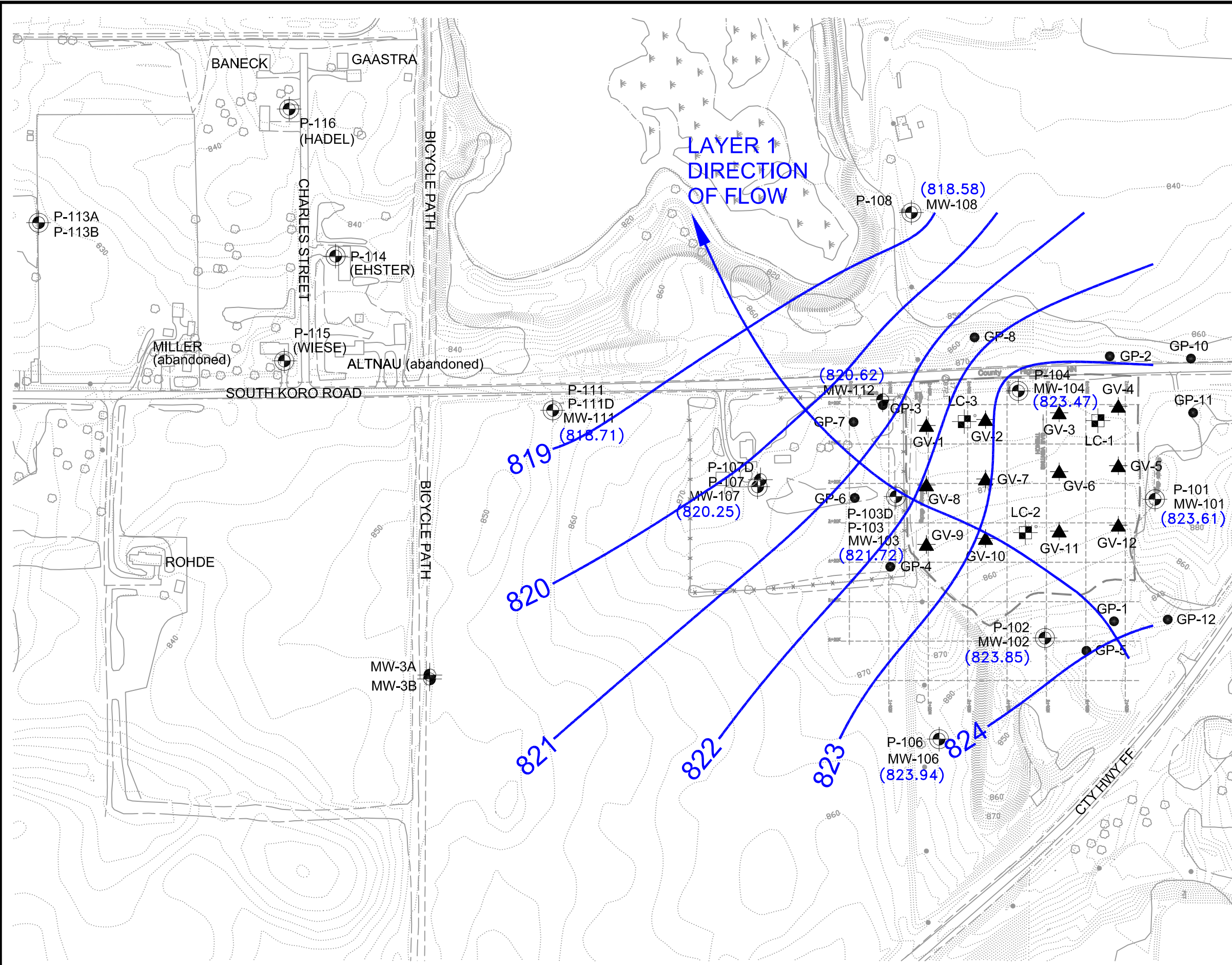
Landfill gas monitoring will be conducted periodically by Jack Wendler from the City of Ripon..

The interim gas extraction system will continue to be monitored for effectiveness throughout this quarter.

PERSONNEL

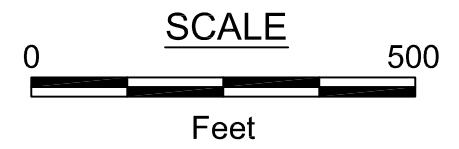
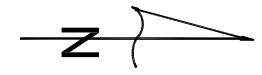
Mr. Michael Noel is the Project Manager and Principal Hydrogeologist. Mr. Kevin Lincicum is the Project Hydrogeologist who oversaw the field activities. The laboratory analyses for the July and October 2009 groundwater samples were completed by Pace Analytical Services, Inc. in Green Bay, Wisconsin. The drinking water well samples were submitted to Pace Analytical Services, Inc. in Green Bay and were analyzed by Northern Lake Service, Inc. located in Crandon, Wisconsin. The laboratory analyses for the air samples was completed by Pace Analytical Services, Inc. located in Minneapolis, Minnesota.

FIGURES



EXPLANATION

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

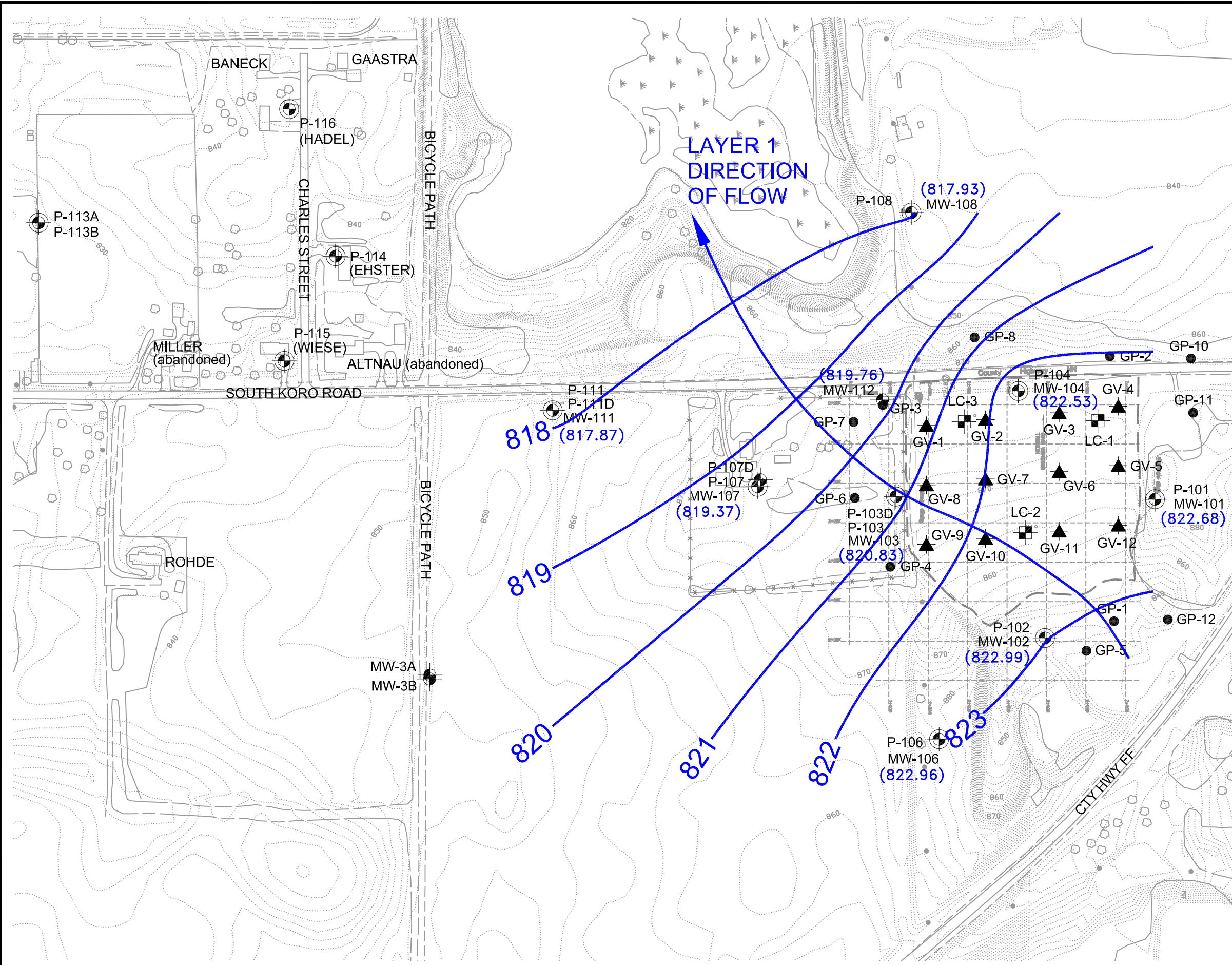


BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 8/26/09
	DESIGNED: KFL
GROUNDWATER ELEVATIONS LAYER 1 WELLS JULY 2009	CHECKED: KFL
	APPROVED: MRN
	DRAWN: HJW
PROJ.: 117-1011005	

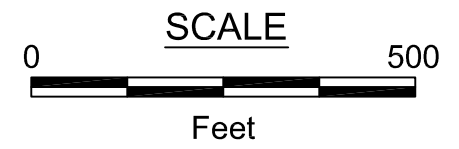
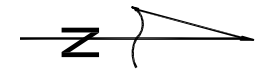


Figure 1



EXPLANATION

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

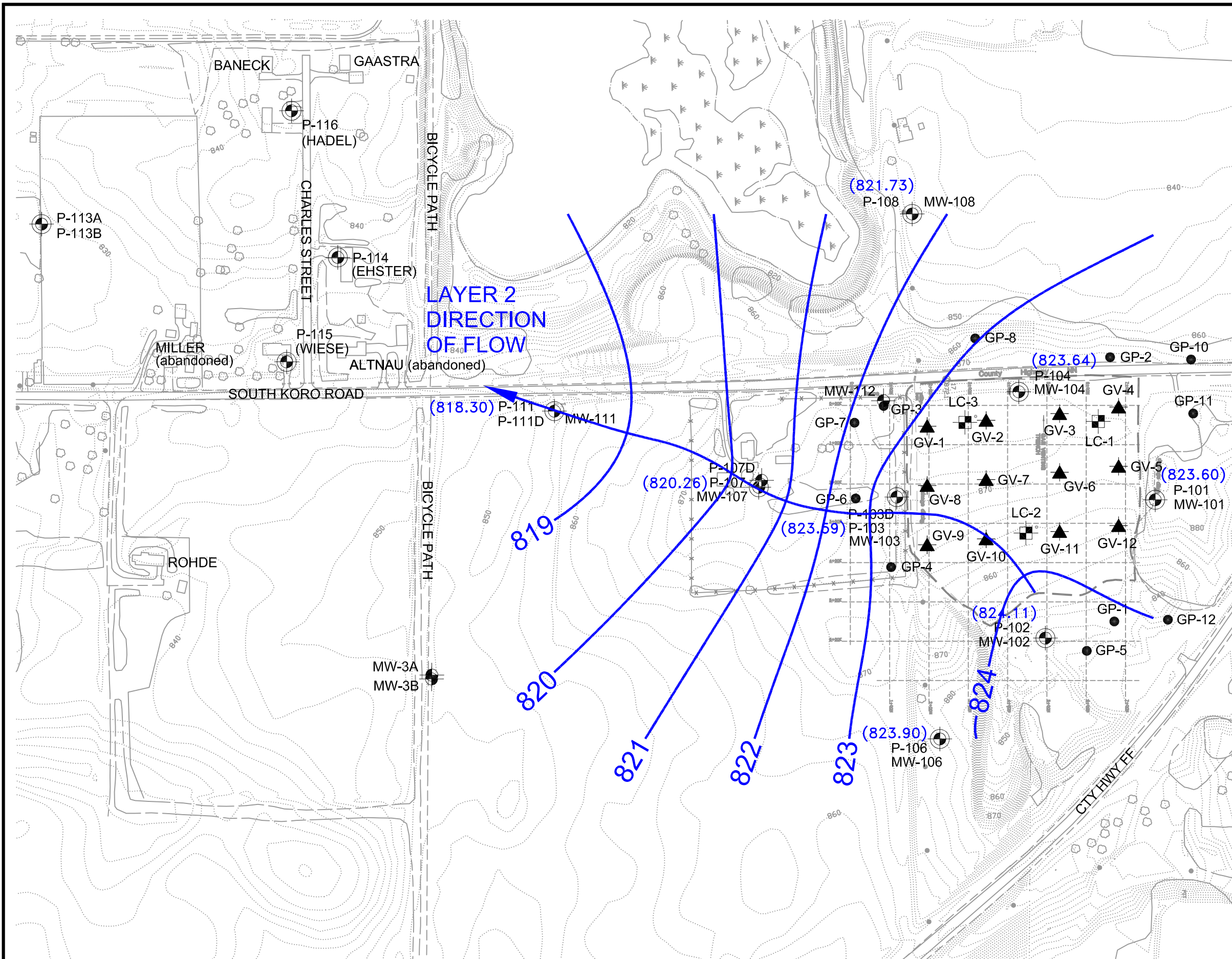


BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.








FF/NN LANDFILL RIPON, WISCONSIN	DATE: 12/8/09
GROUNDWATER ELEVATIONS LAYER 1 WELLS OCTOBER 2009	DESIGNED: KFL
	CHECKED: KFL
	APPROVED: MRN
	DRAWN: HJW
	PROJ.: 117-1011005

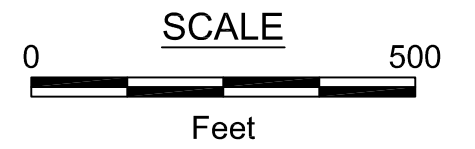
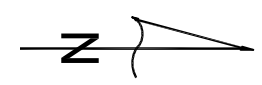


Figure 2



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
-  (824.05) GROUNDWATER ELEVATION

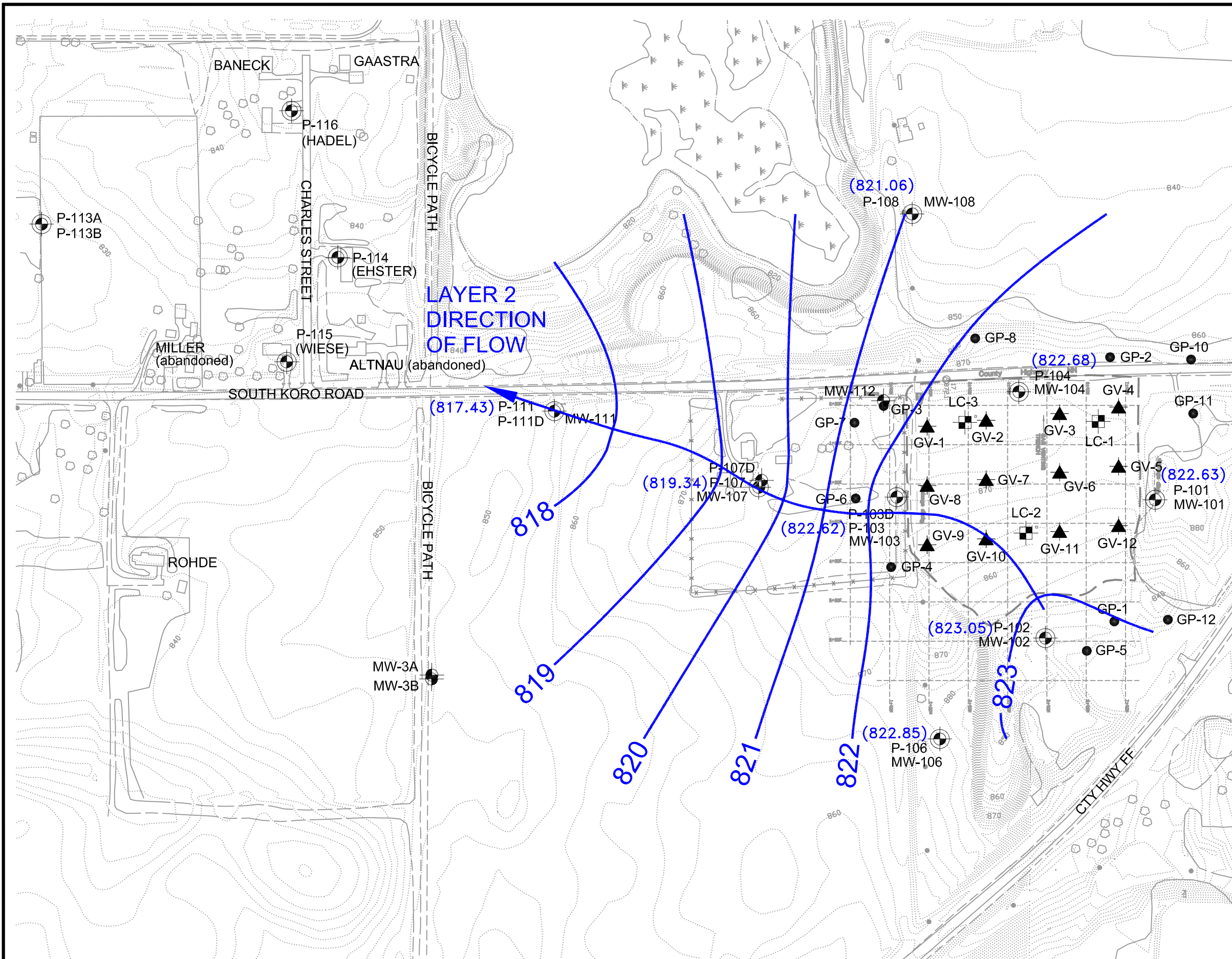


BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 8/26/09
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	CHECKED: KFL
	APPROVED: MRN
	DRAWN: HJW
	PROJ.: 117-1011005

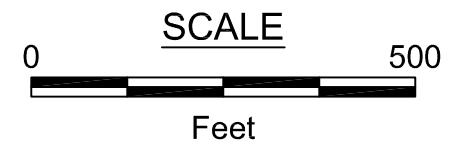
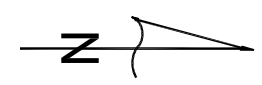


Figure 3



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
- (822.63) GROUNDWATER ELEVATION

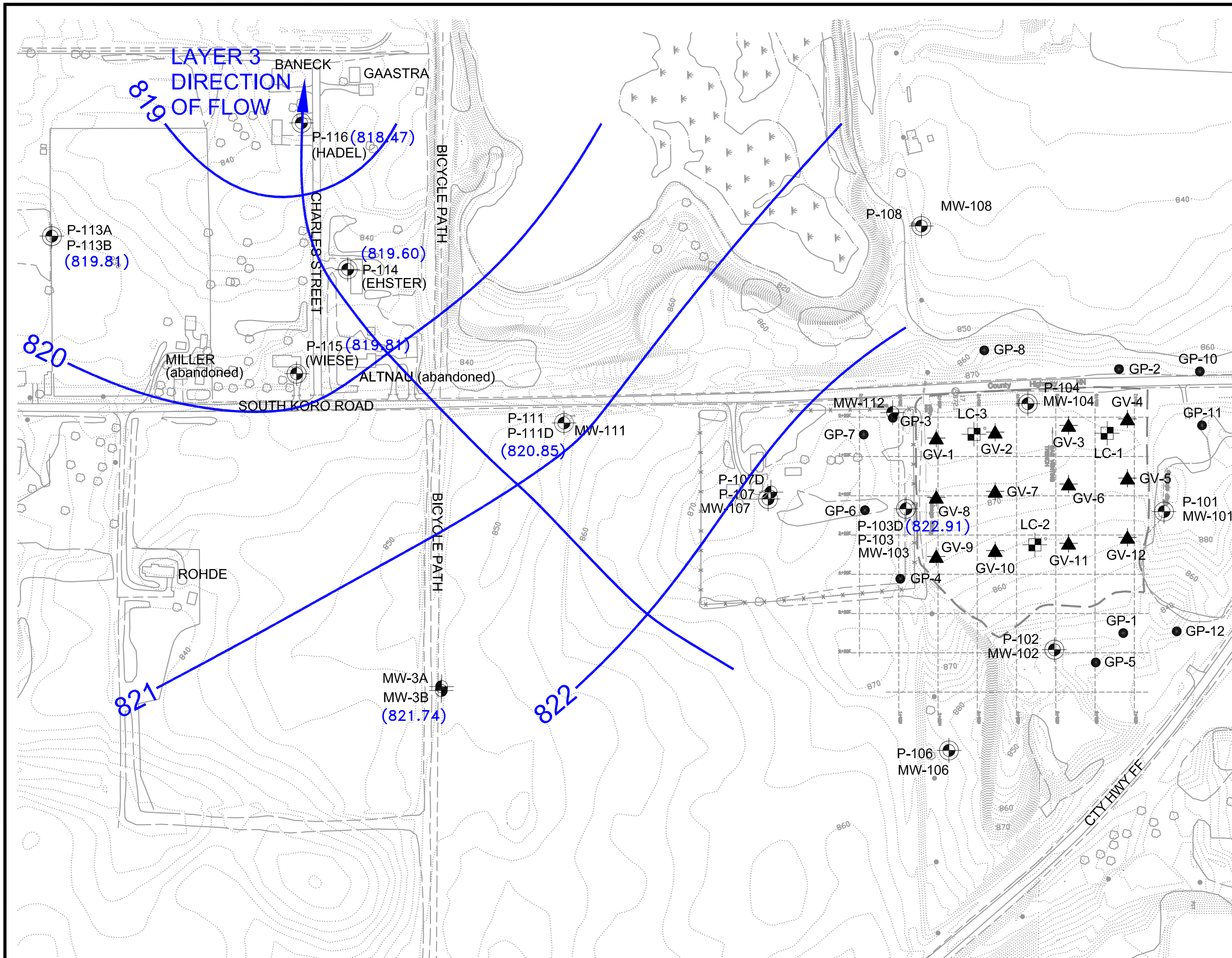


BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 12/8/09
	DESIGNED: KFL
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	APPROVED: MRN
	DRAWN: HJW
PROJ.: 117-1011005	

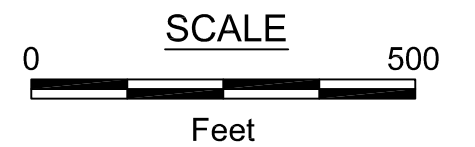
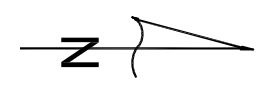


Figure 4



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
- (822.66) GROUNDWATER ELEVATION

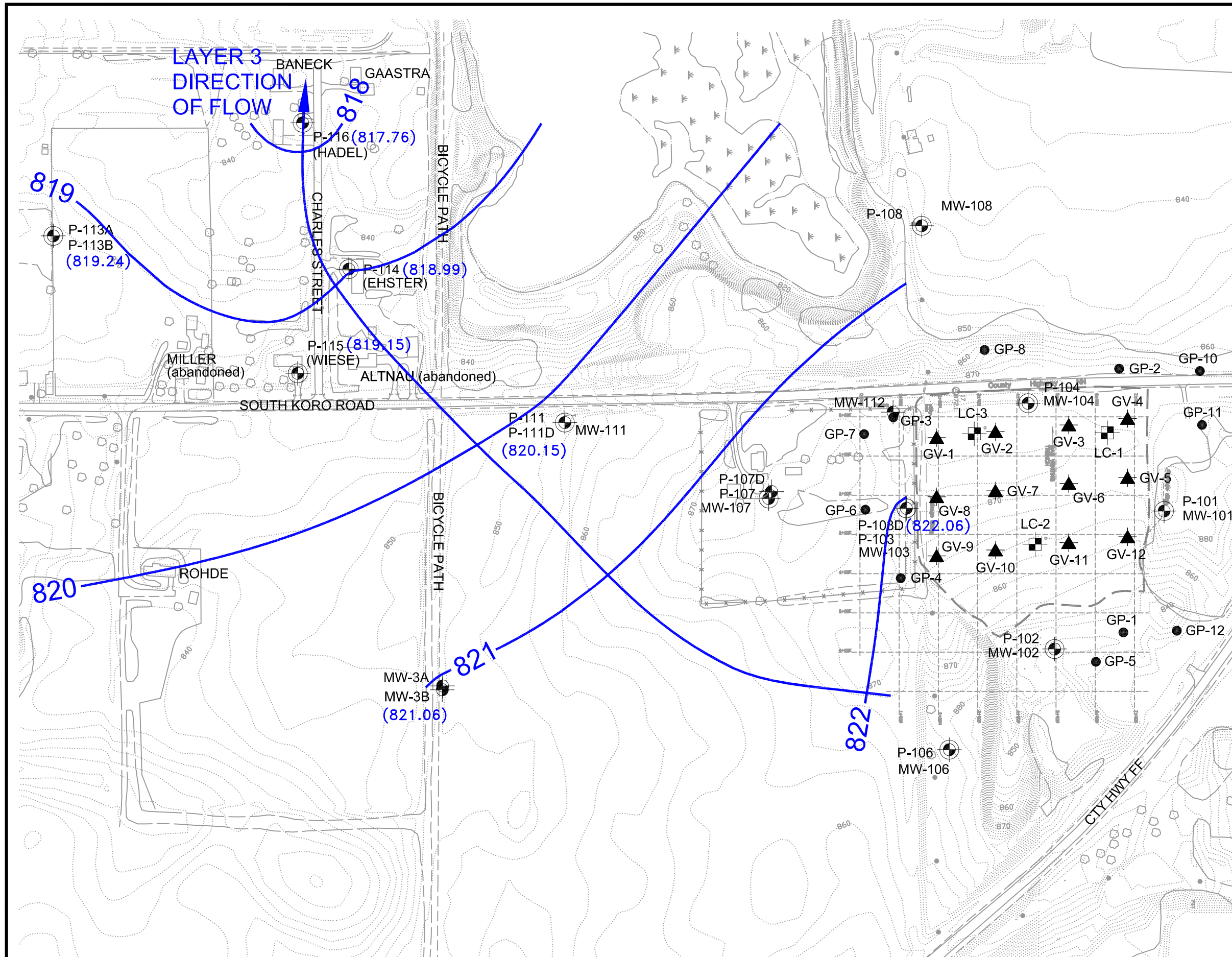


BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 8/26/09
	DESIGNED: KFL
GROUNDWATER ELEVATIONS LAYER 3 WELLS JULY 2009	CHECKED: KFL
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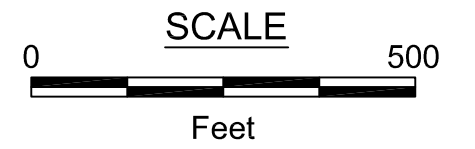
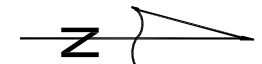


Figure 5



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
- (821.06) GROUNDWATER ELEVATION

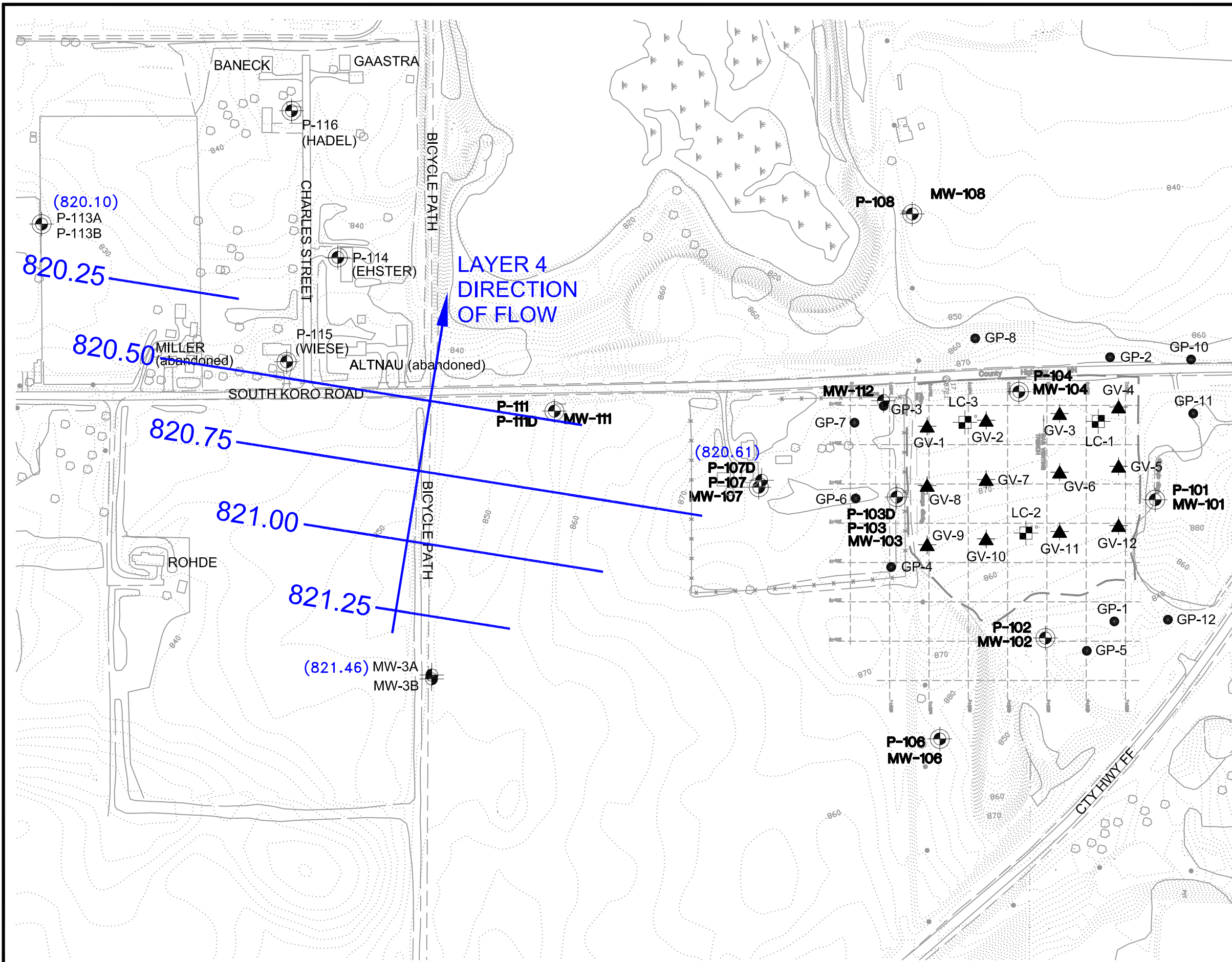


BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 12/8/09
	DESIGNED: KFL
GROUNDWATER ELEVATIONS LAYER 3 WELLS OCTOBER 2009	CHECKED: KFL
	APPROVED: MRN
	DRAWN: HJW
PROJ.: 117-1011005	

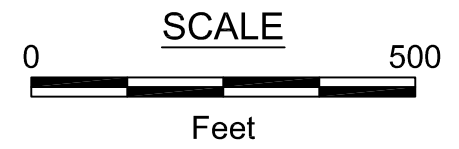
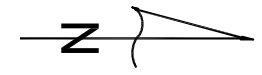


Figure 6



EXPLANATION

- P-104 MONITOR WELL, PIEZOMETER LOCATION, DESIGNATION
- MW-104
- 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
- (822.96) GROUNDWATER ELEVATION

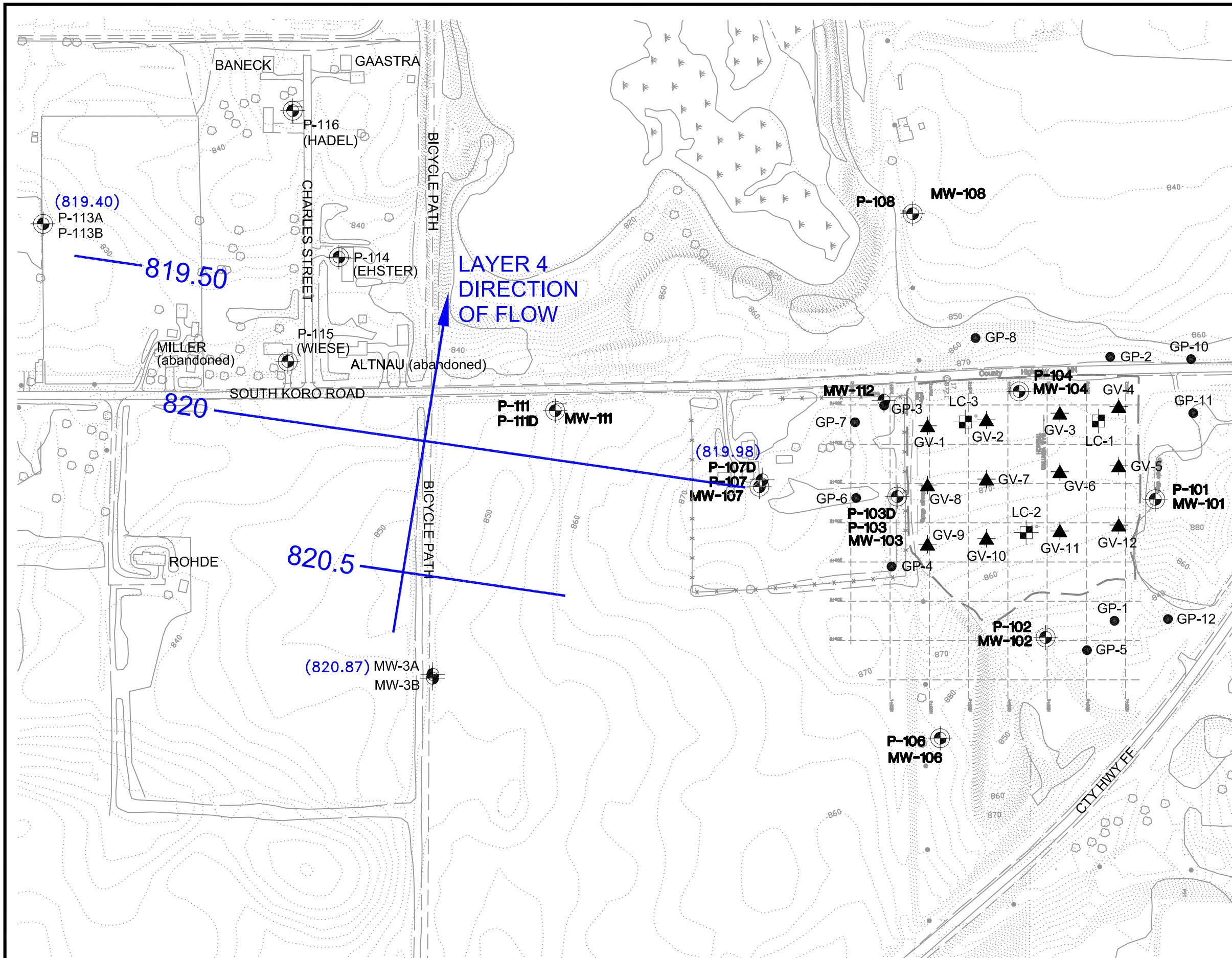


BASEMAP FROM FOND DU LAC COUNTY PLANNING DIVISION, SPRING 2000.

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 8/26/09
	DESIGNED: KFL
GROUNDWATER ELEVATIONS LAYER 4 WELLS JULY 2009	CHECKED: KFL
	APPROVED: MRN
	DRAWN: HJW
	PROJ.: 117-1011005

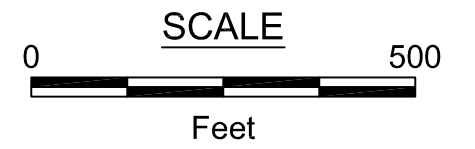
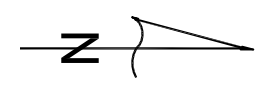


Figure 7



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
- (820.87) GROUNDWATER ELEVATION



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

FF/NN LANDFILL RIPON, WISCONSIN	DATE: 12/8/09
	DESIGNED: KFL
GROUNDWATER ELEVATIONS LAYER 4 WELLS OCTOBER 2009	CHECKED: KFL
	APPROVED: MRN
	DRAWN: HJW
PROJ.: 117-1011005	



Figure 8

CHARTS

Chart 1: Layer 1 Historic Water Level Data

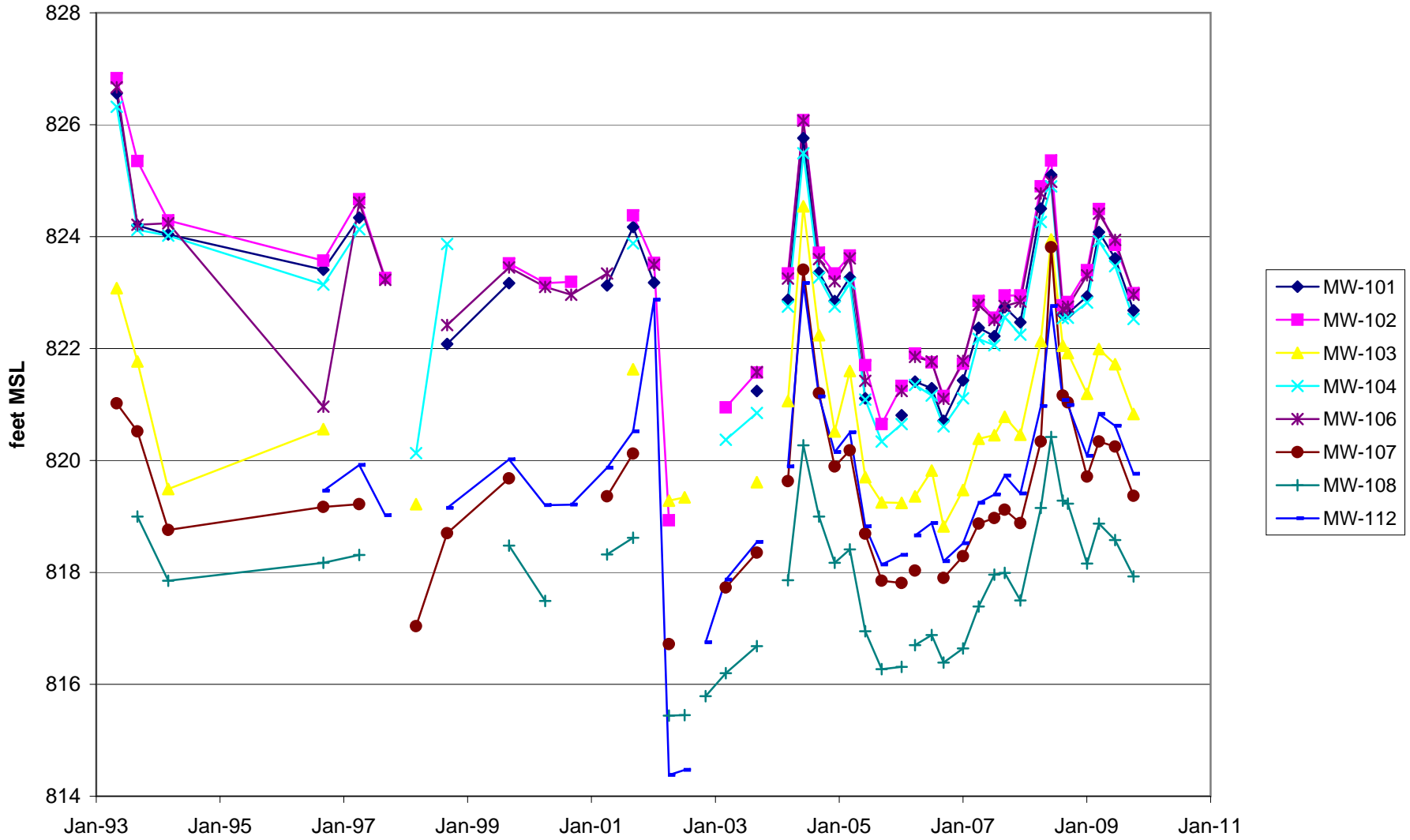


Chart 2: Layer 2 Historic Water Level Data

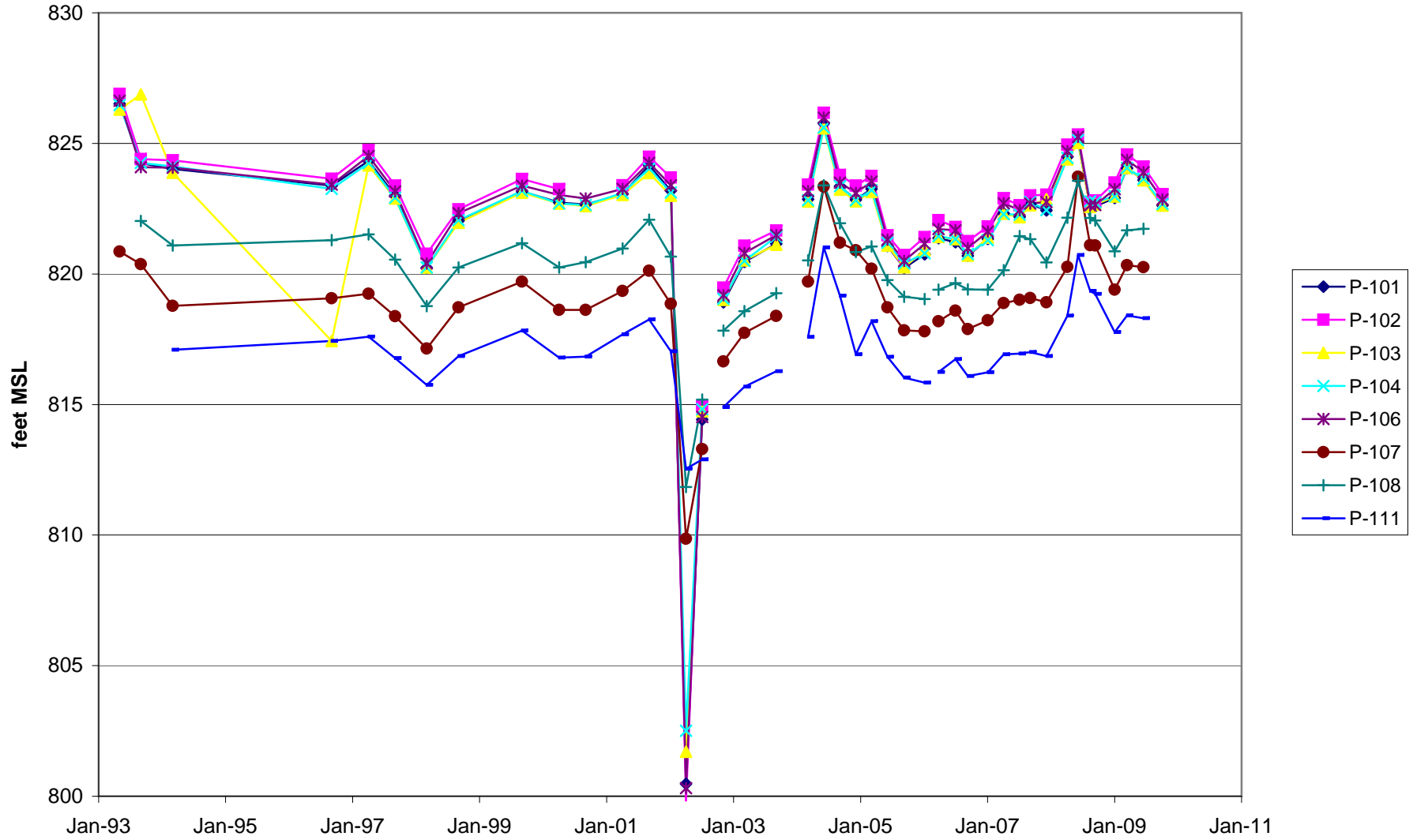


Chart 3: Layer 3 Historic Water Level Data

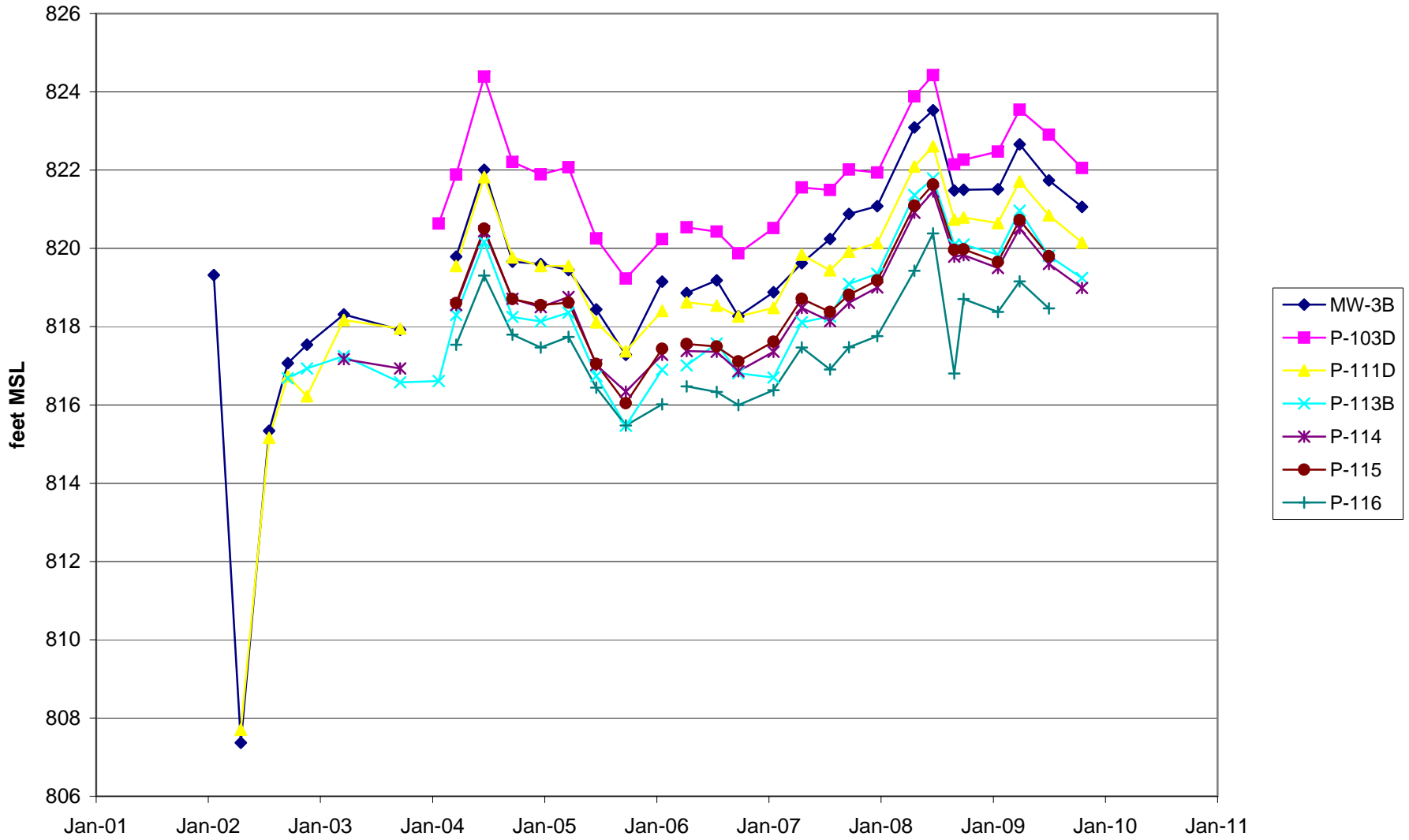


Chart 4: Layer 4 Historic Water Level Data

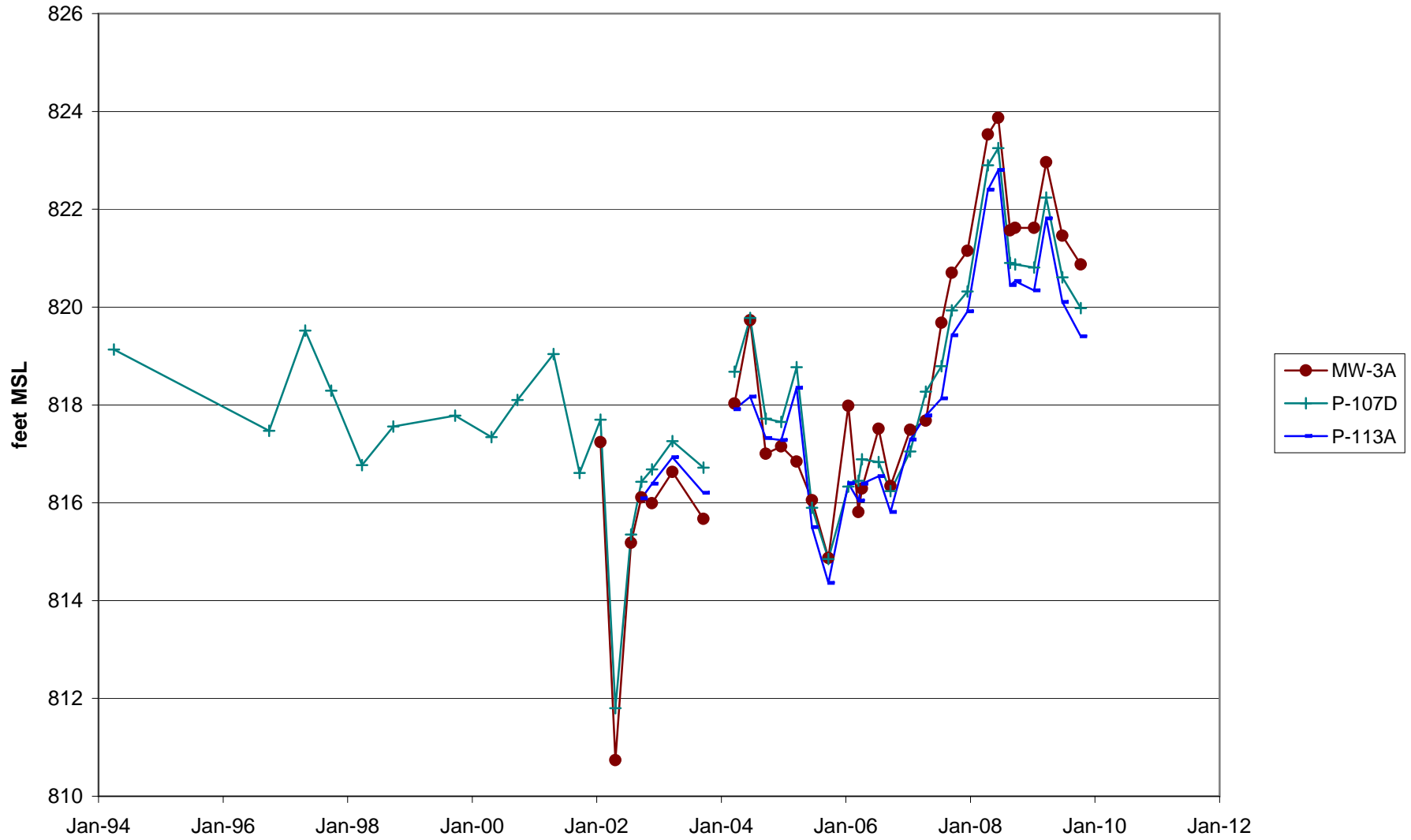


Chart 5: GV-1 Gas Concentrations

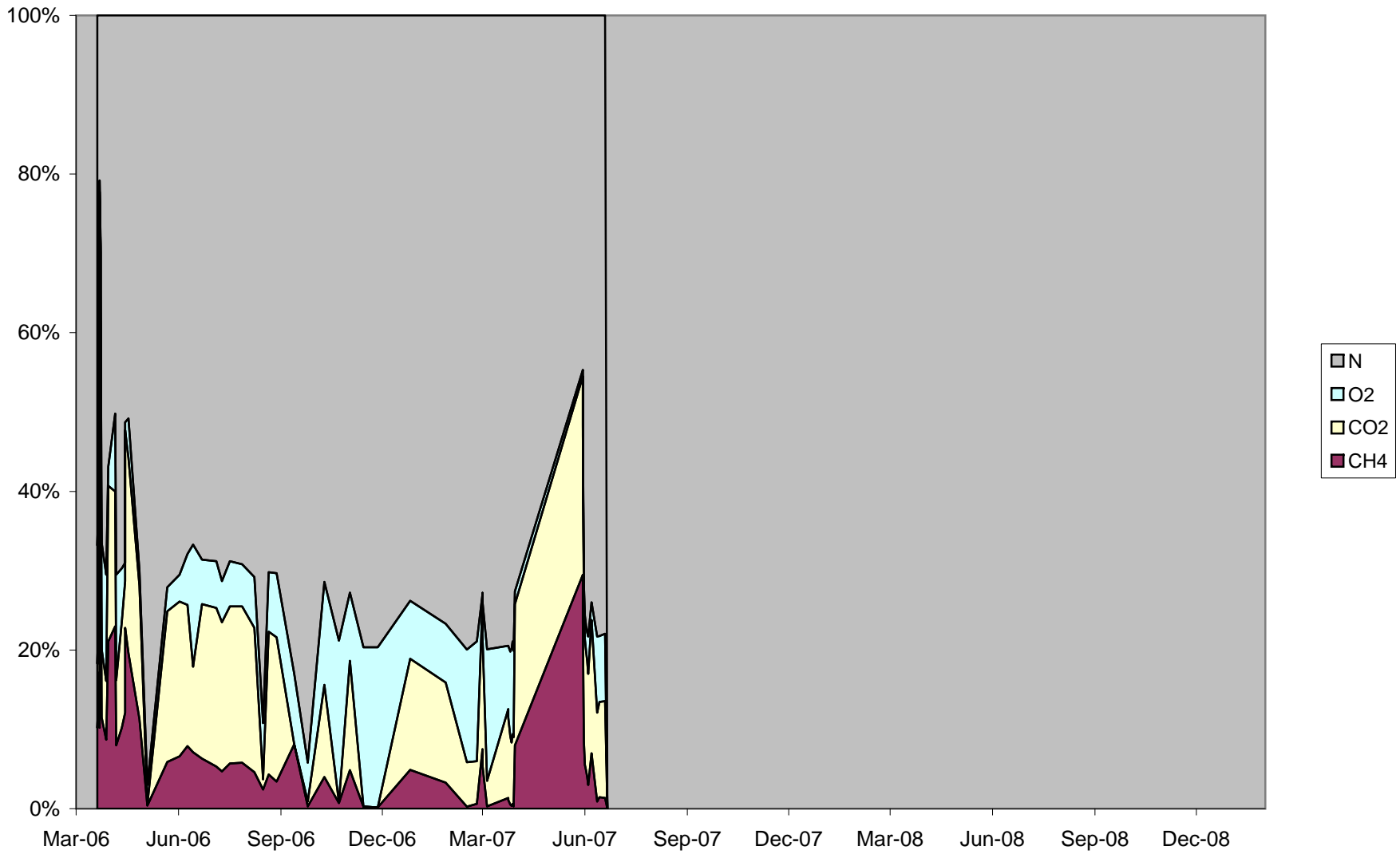


Chart 6: GV-4 Gas Concentrations

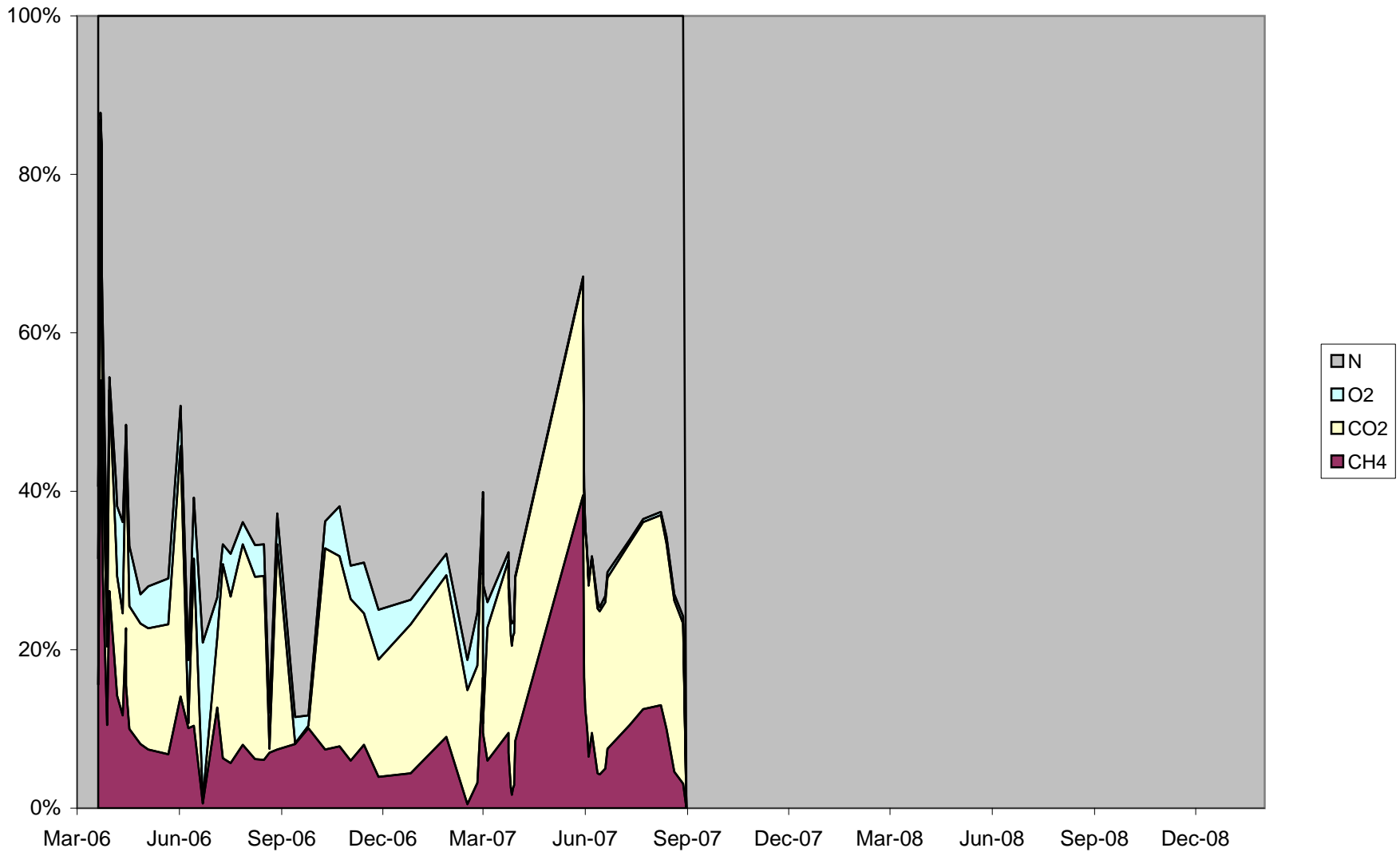


Chart 7: GV-6 Gas Concentrations

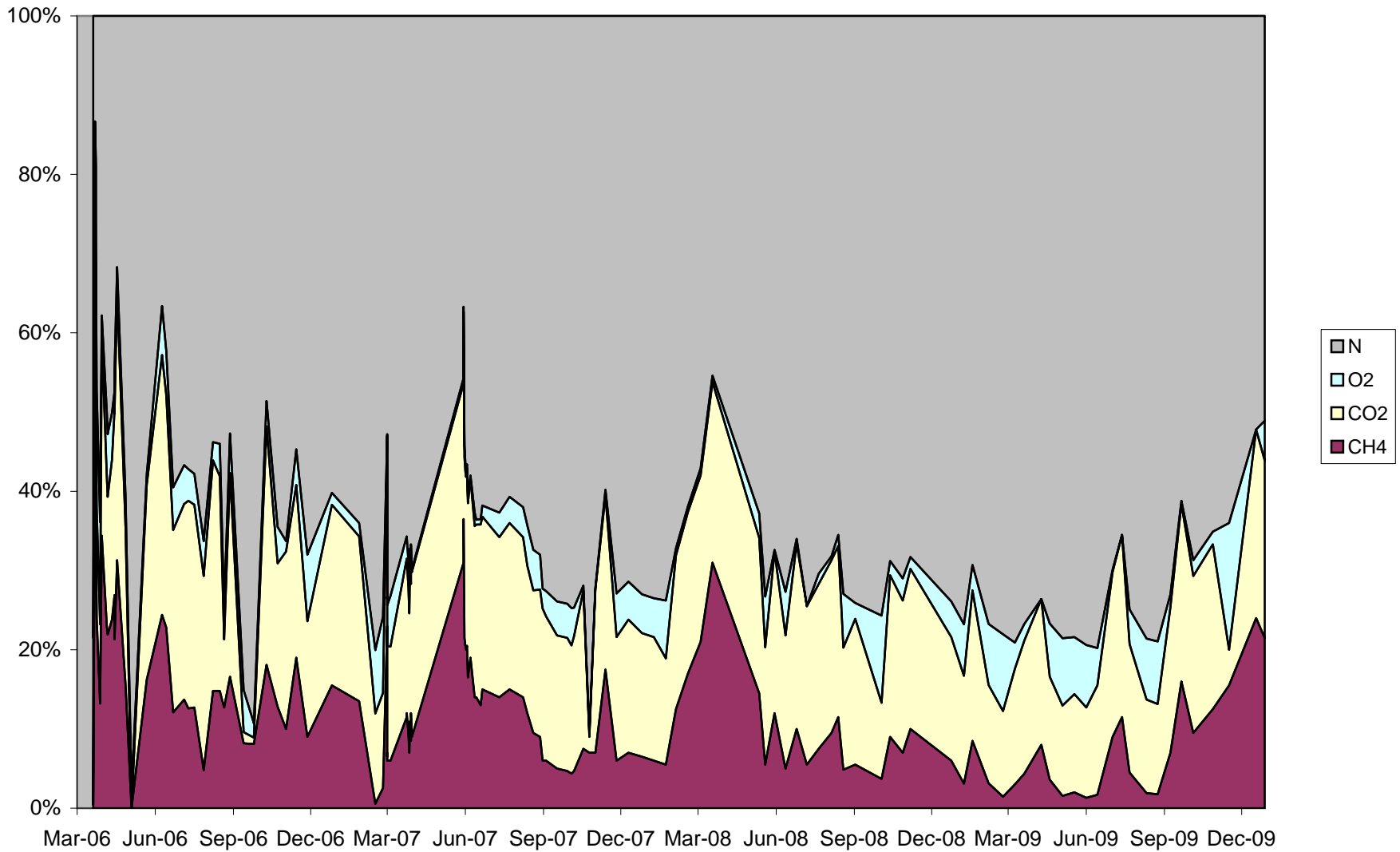


Chart 8: GV-7 Gas Concentrations

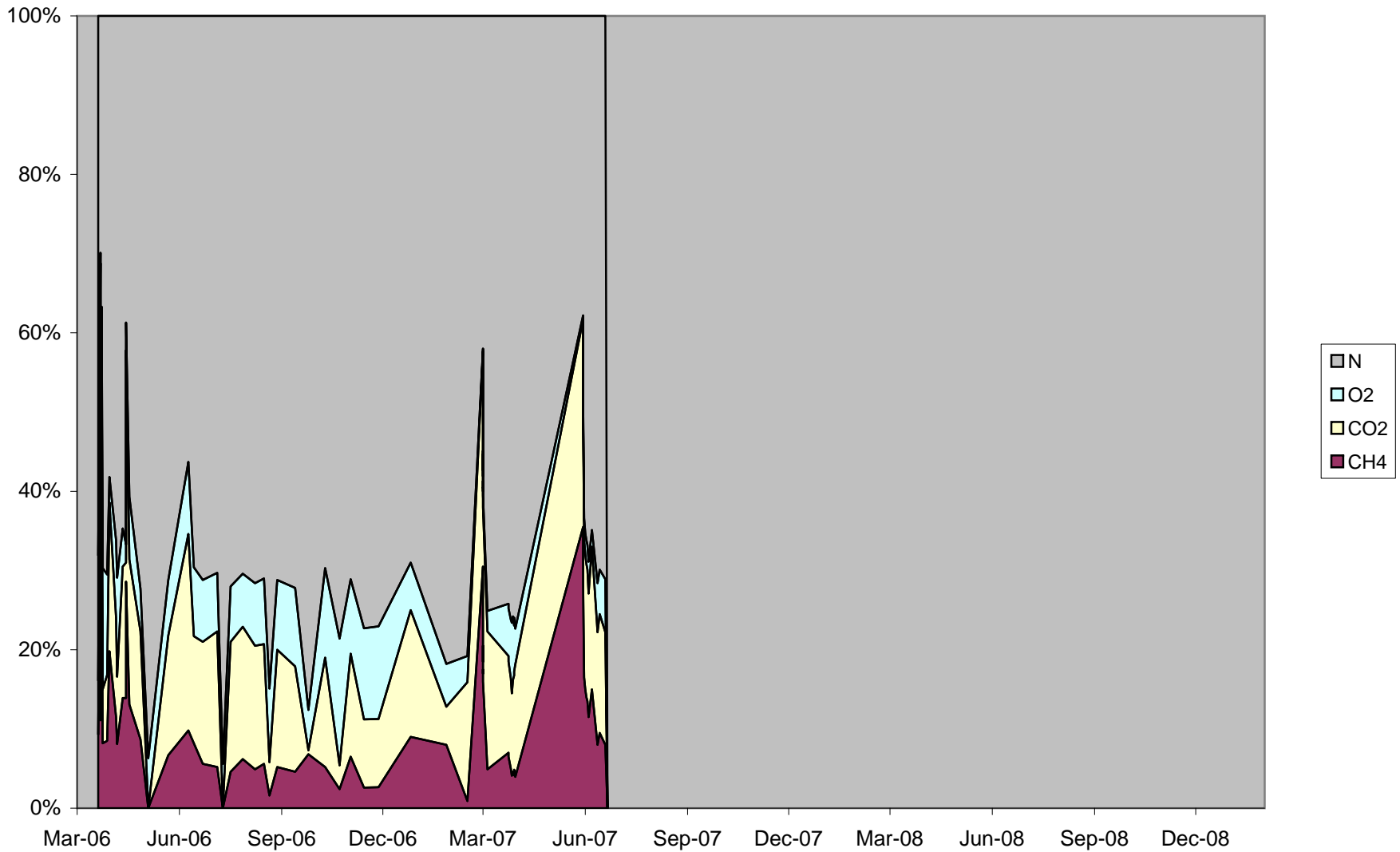


Chart 9: GV-9 Gas Concentrations

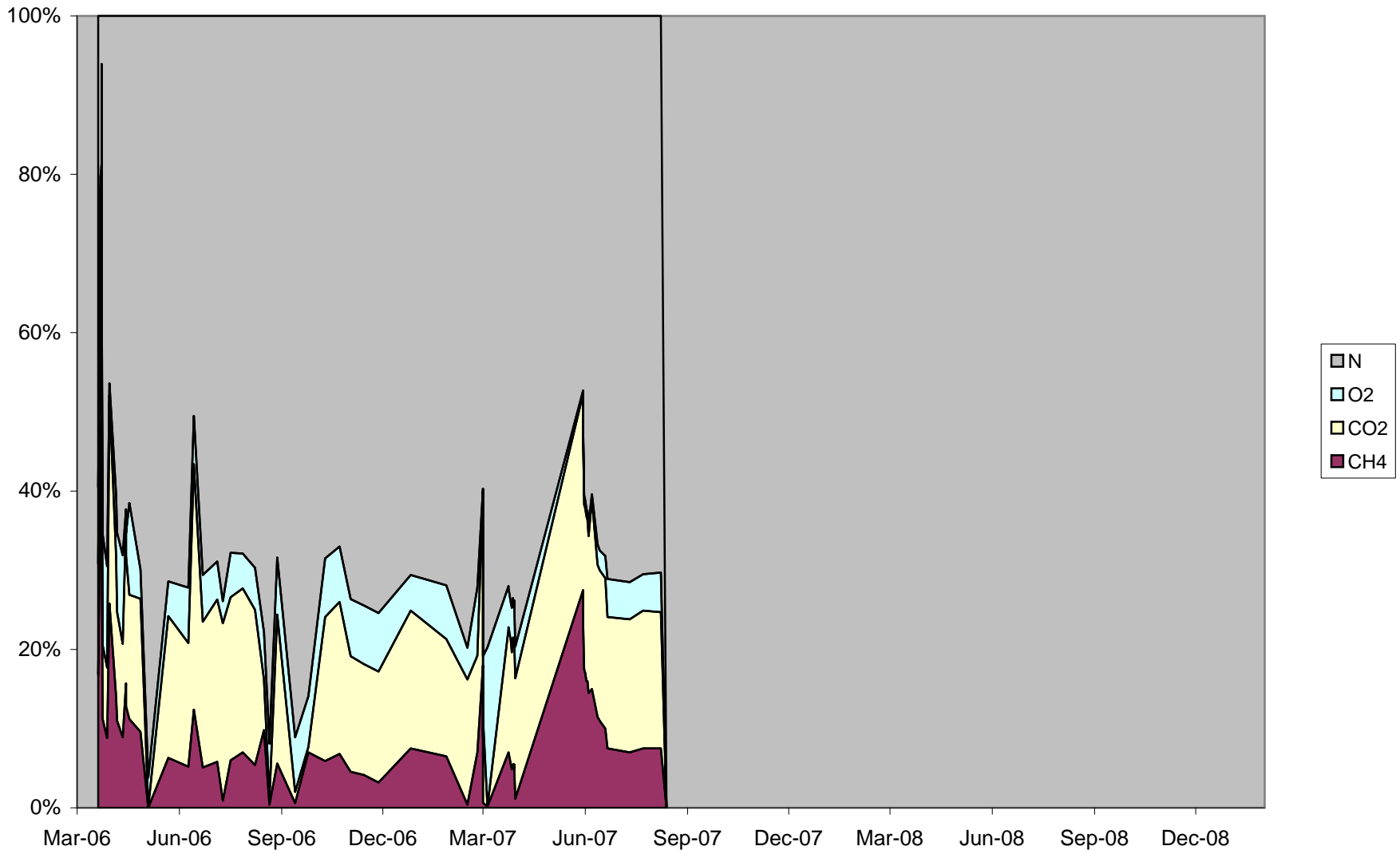


Chart 10: GV-12 Gas Concentrations

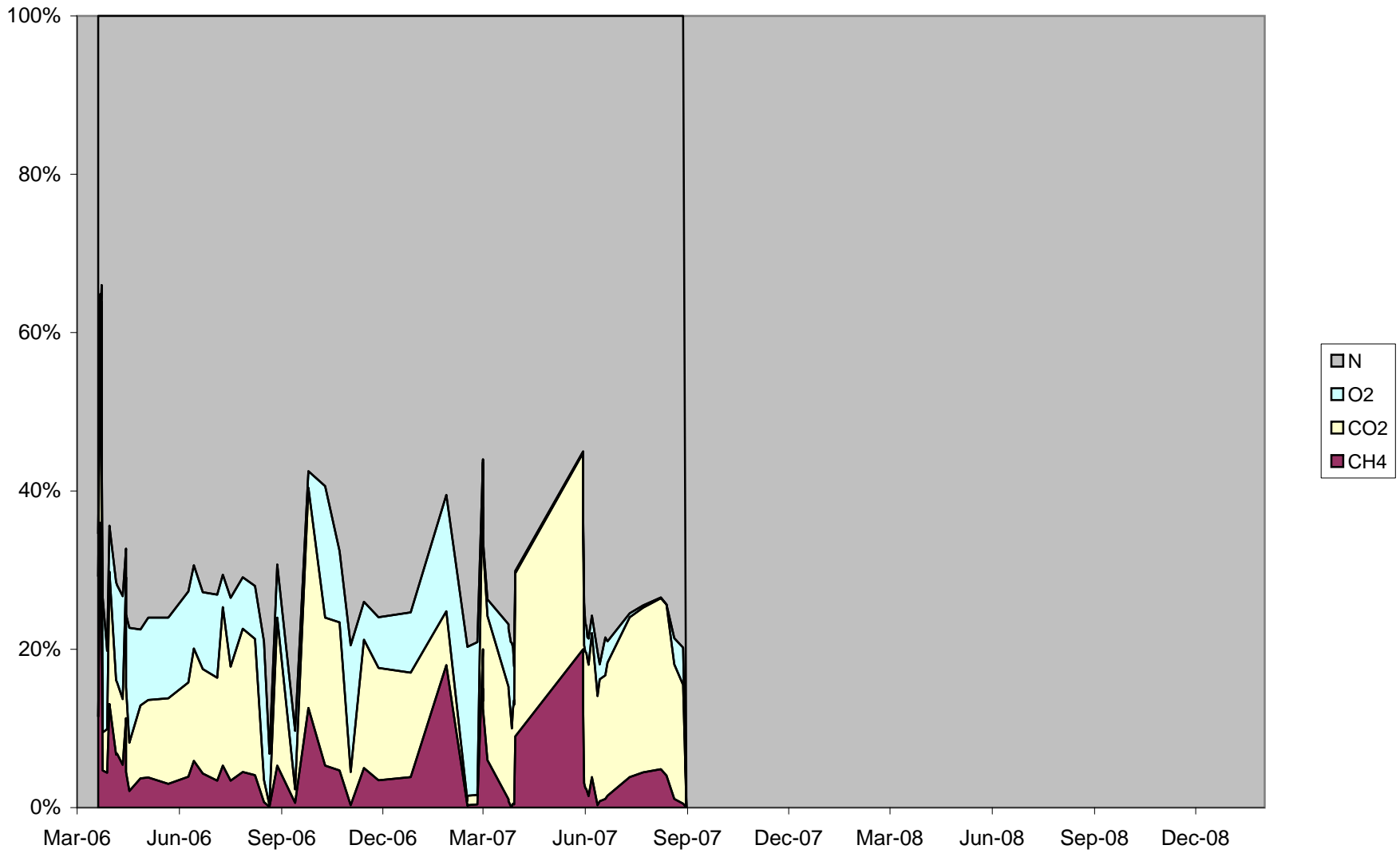


Chart 11: LC-1 Gas Concentrations

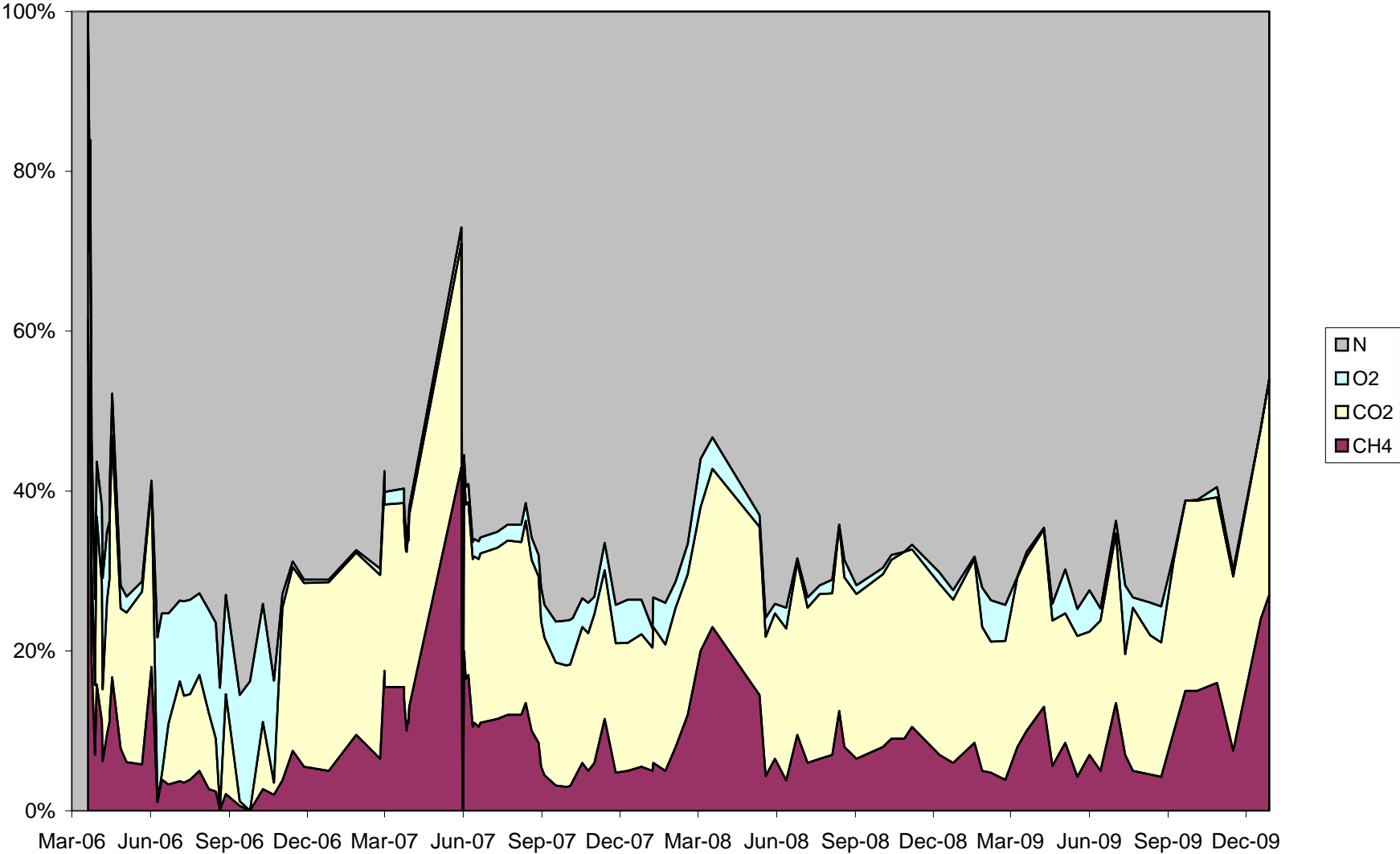


Chart 12: LC-2 Gas Concentrations

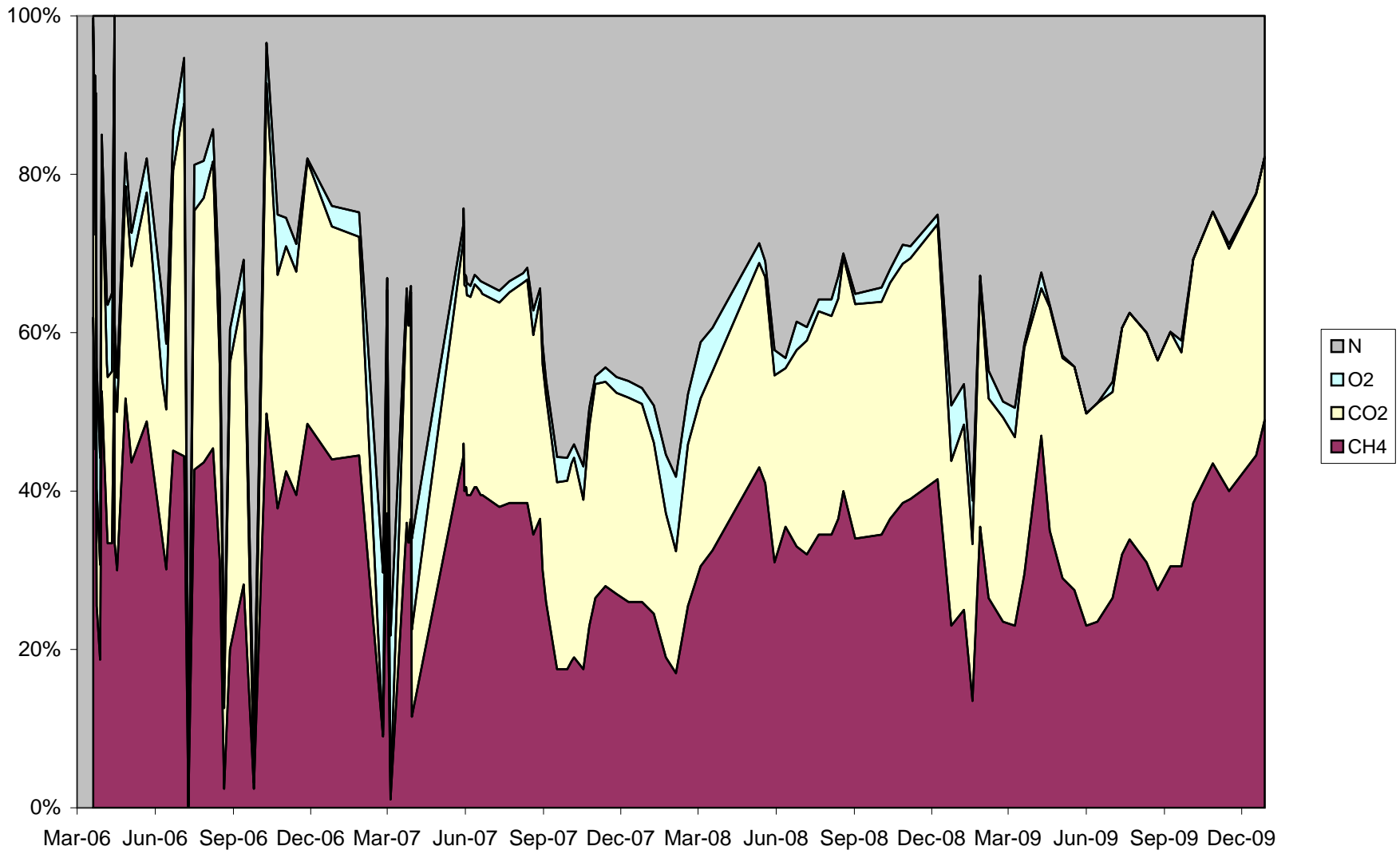


Chart 13: LC-3 Gas Concentrations

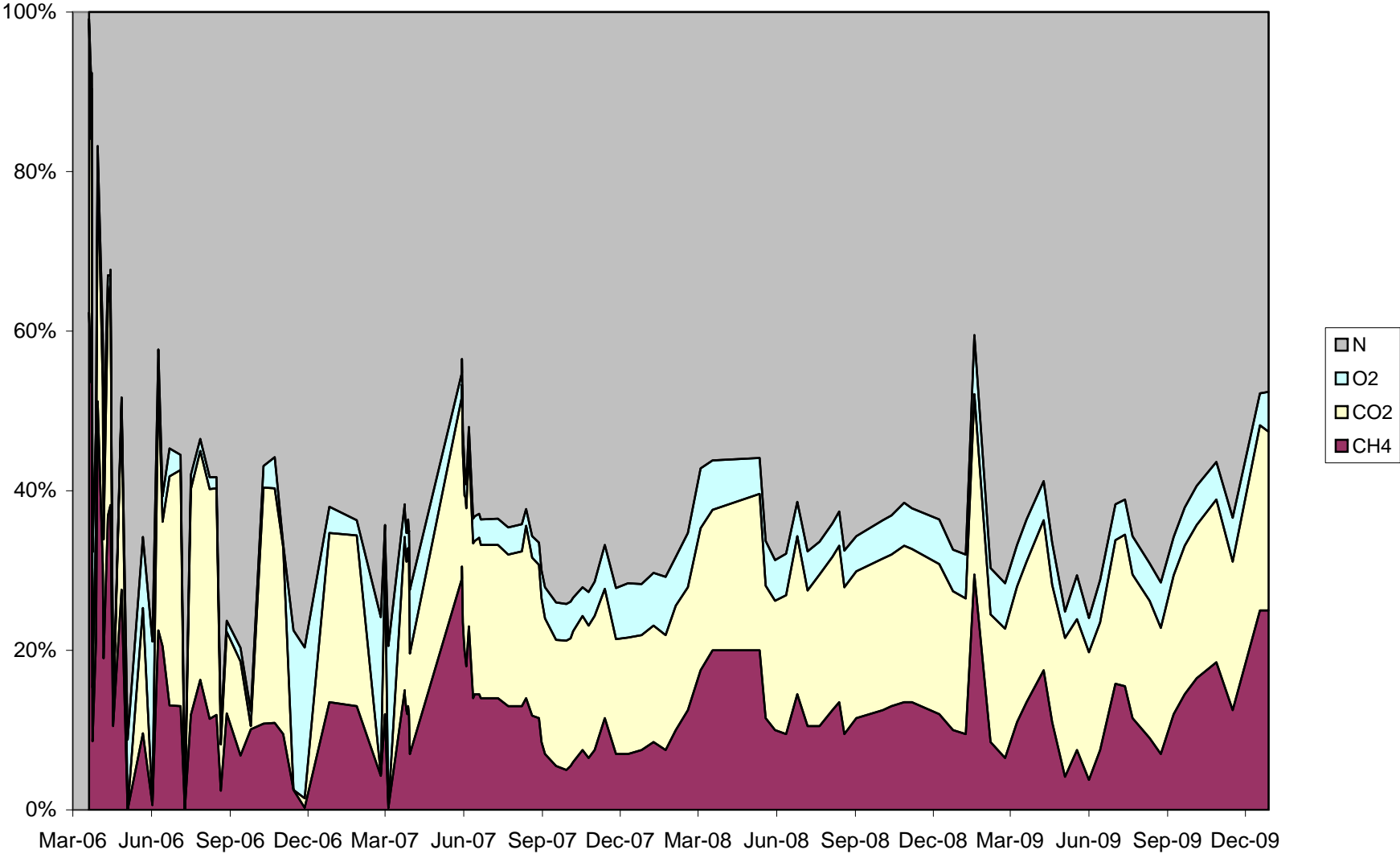


Chart 14: System Exhaust

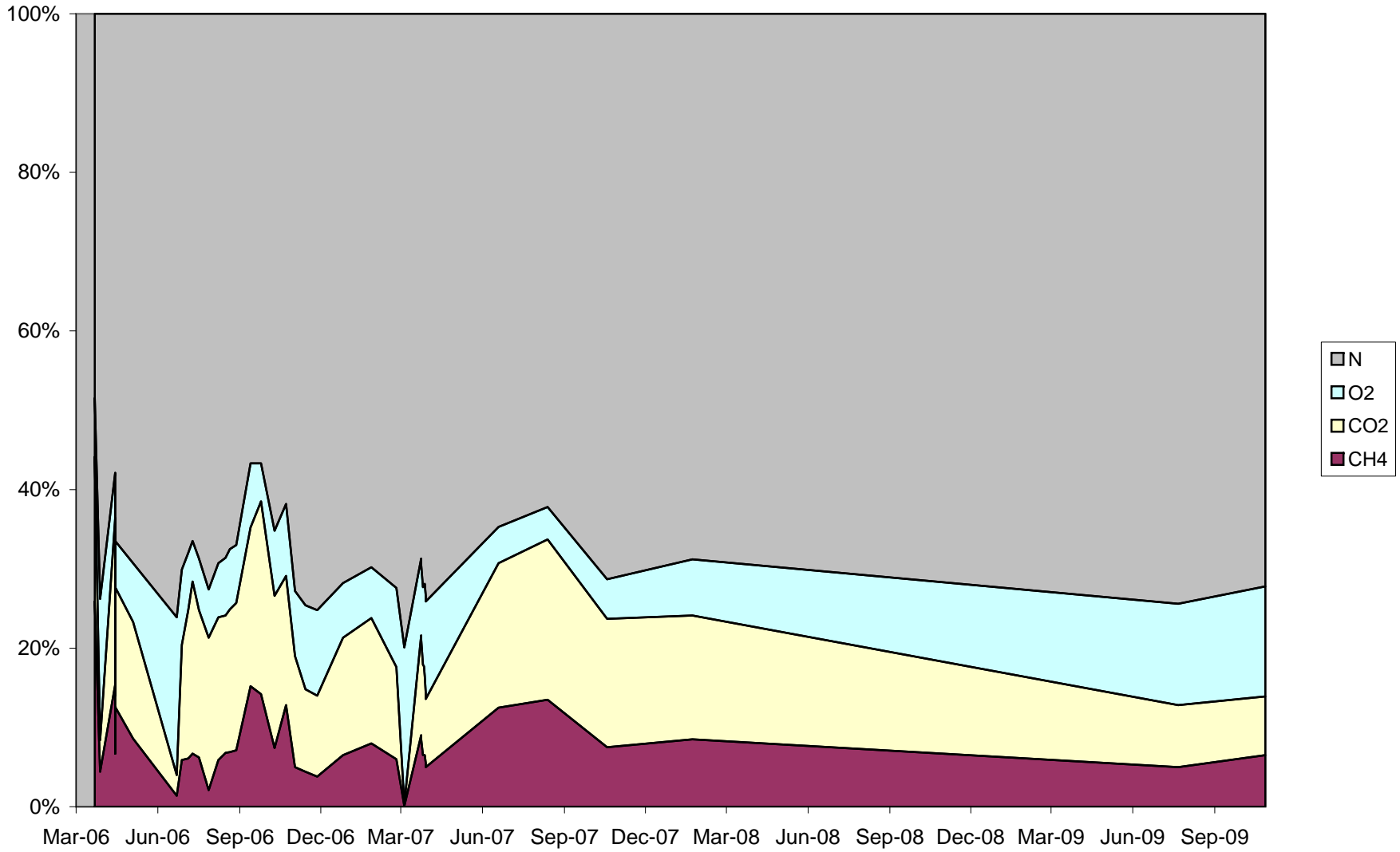


Chart 15: GP-1 Gas Concentrations

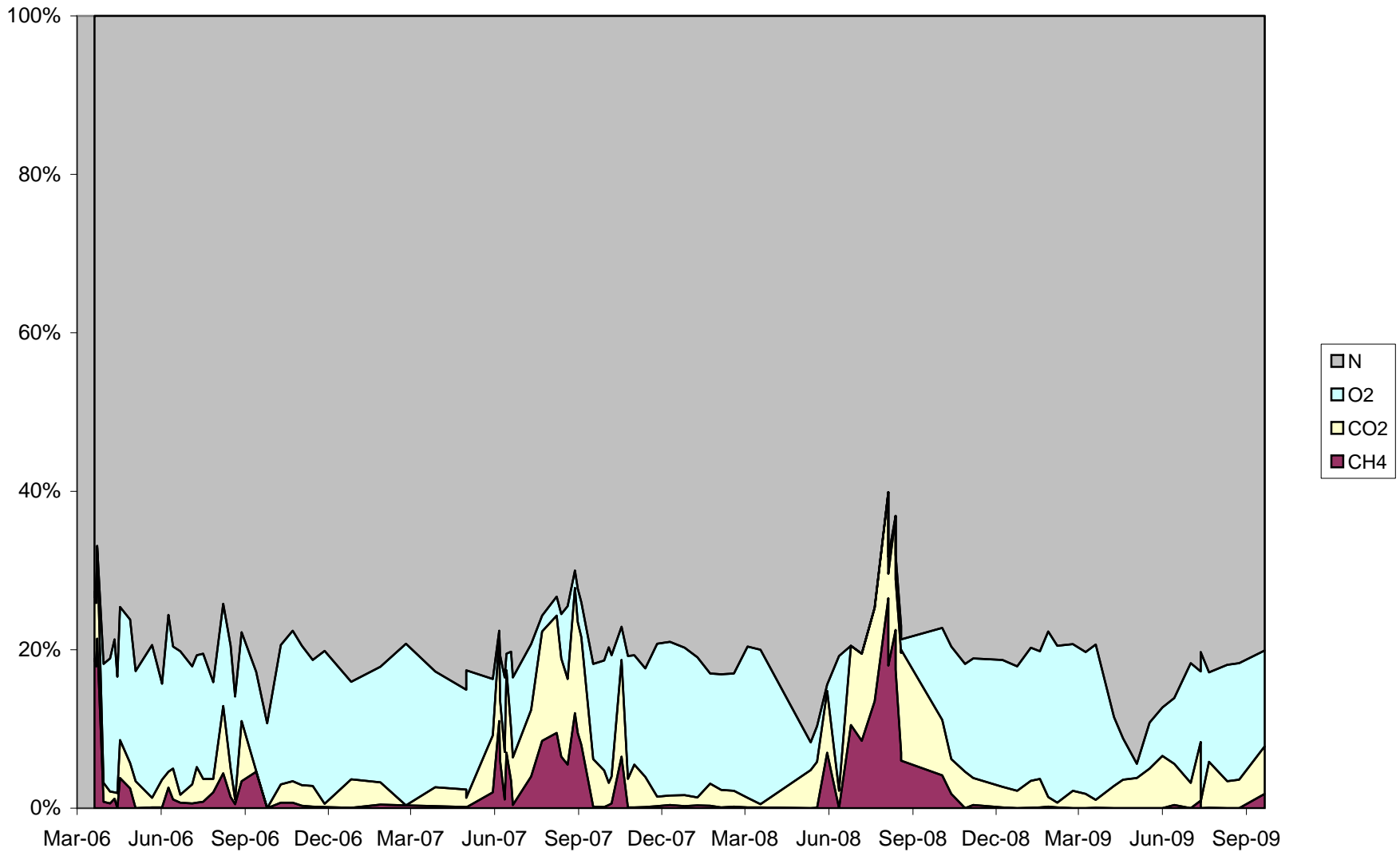


Chart 16: GP-2 Gas Concentrations

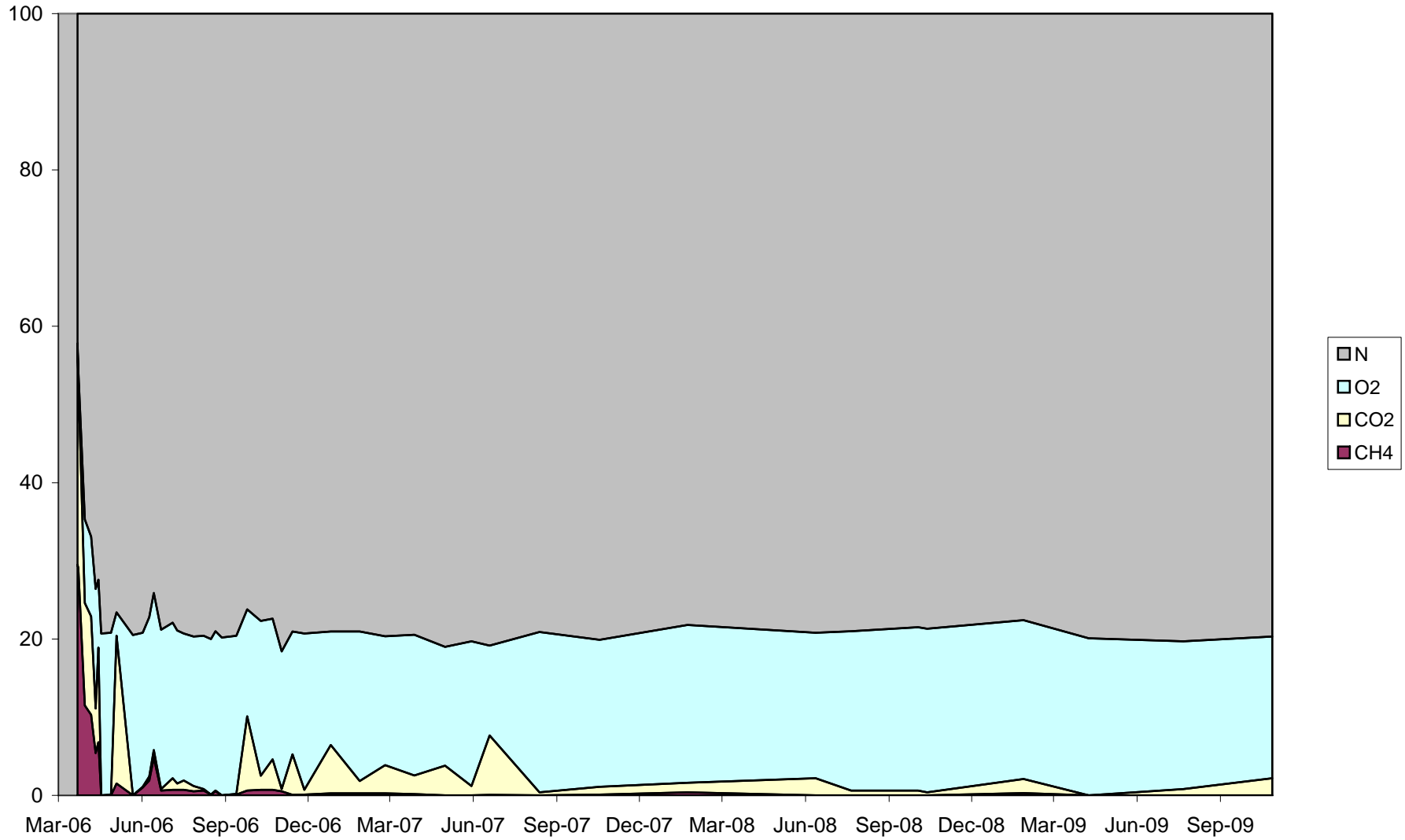


Chart 17: GP-3 Gas Concentrations

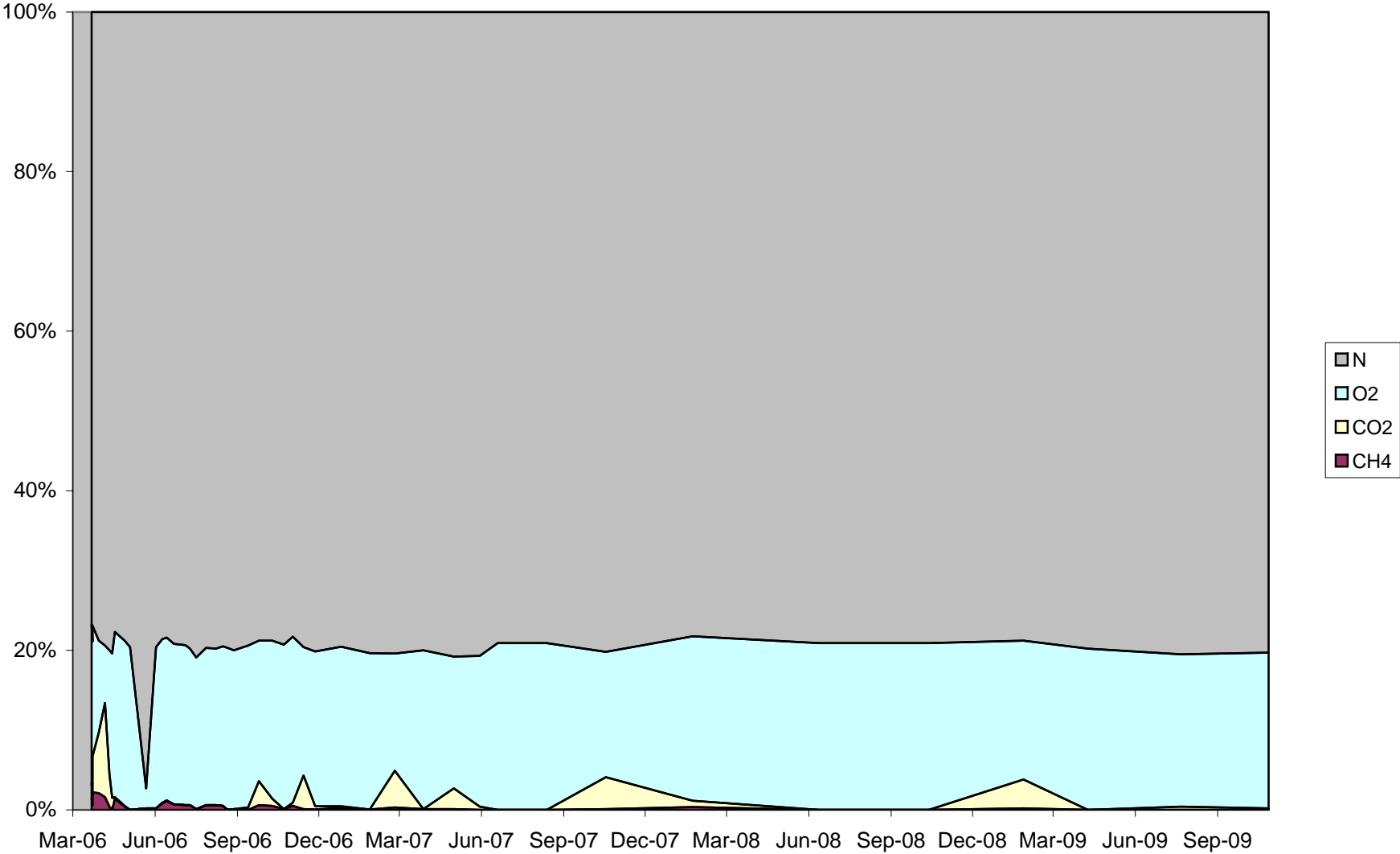


Chart 18: GP-4 Gas Concentrations

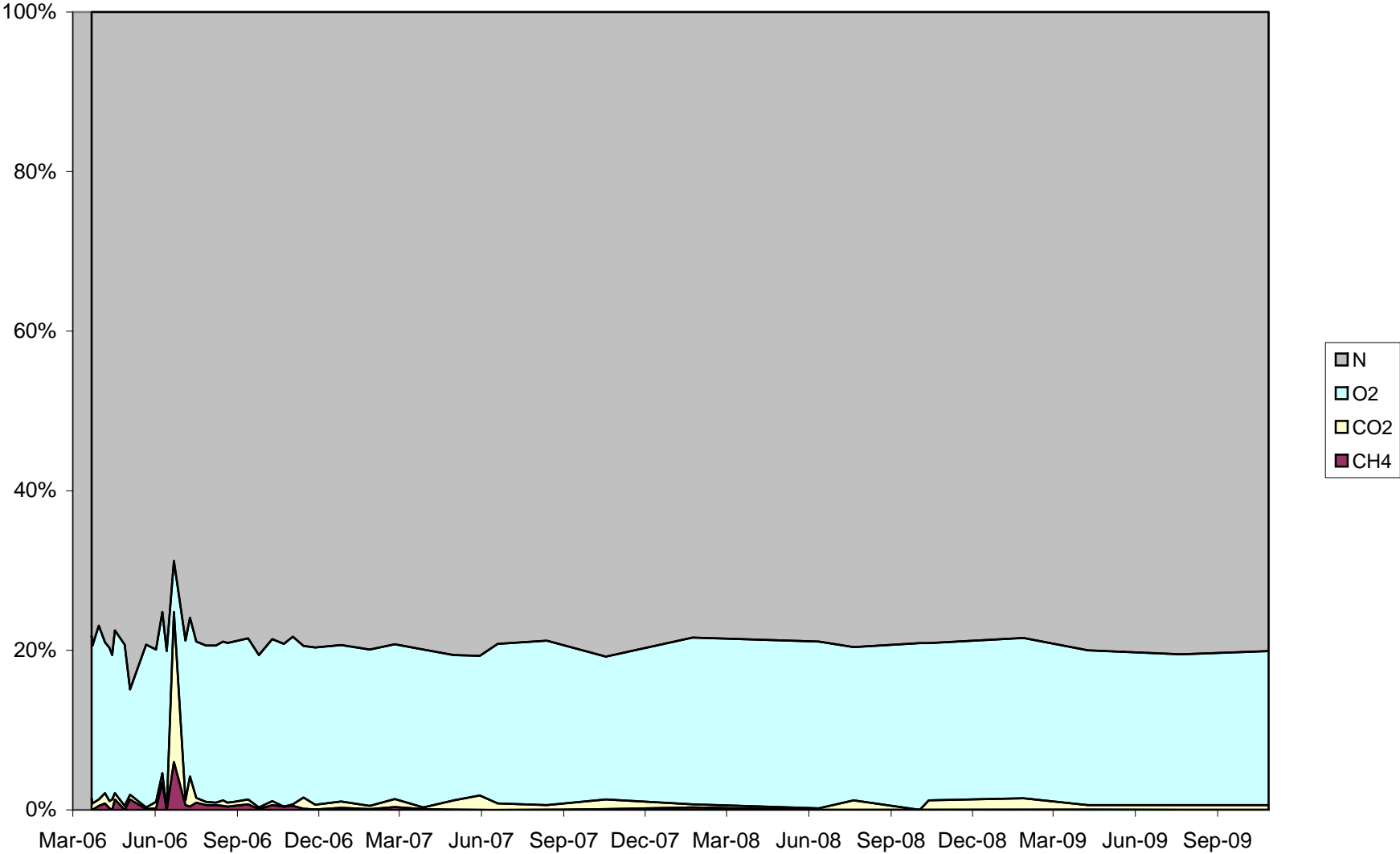


Chart 19: GP-5 Gas Concentrations

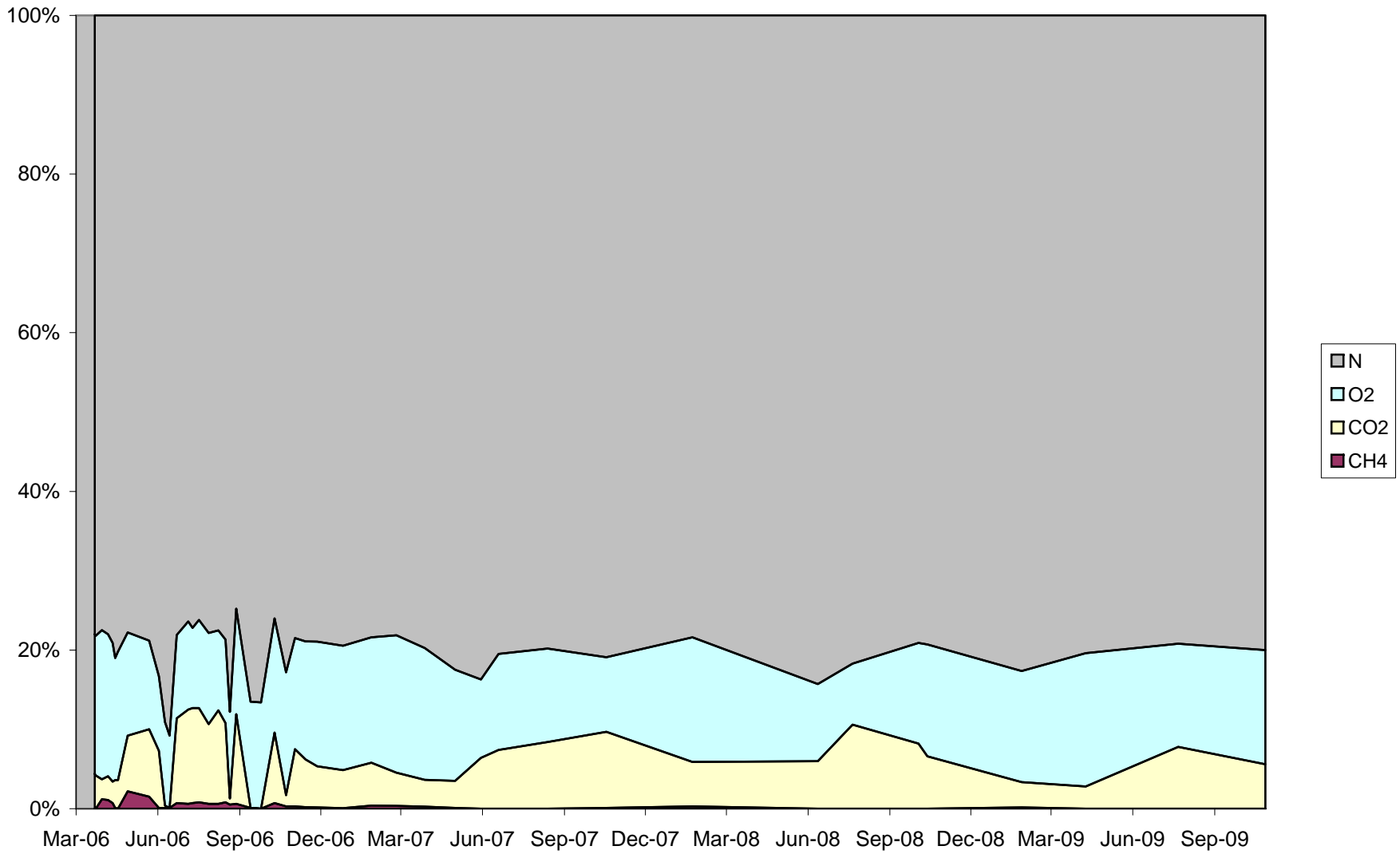


Chart 20: GP-6 Gas Concentrations

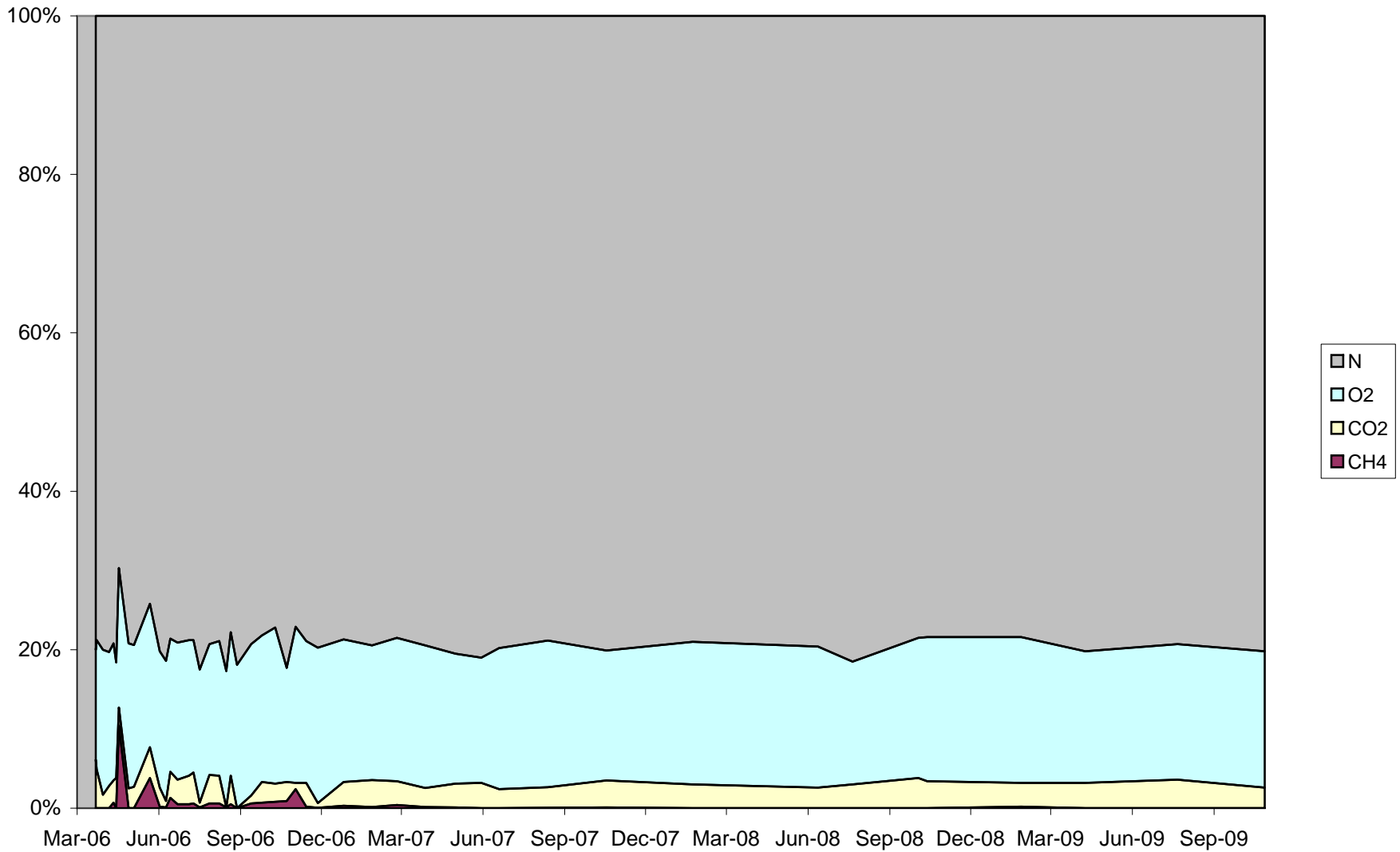


Chart 21: GP-7 Gas Concentrations

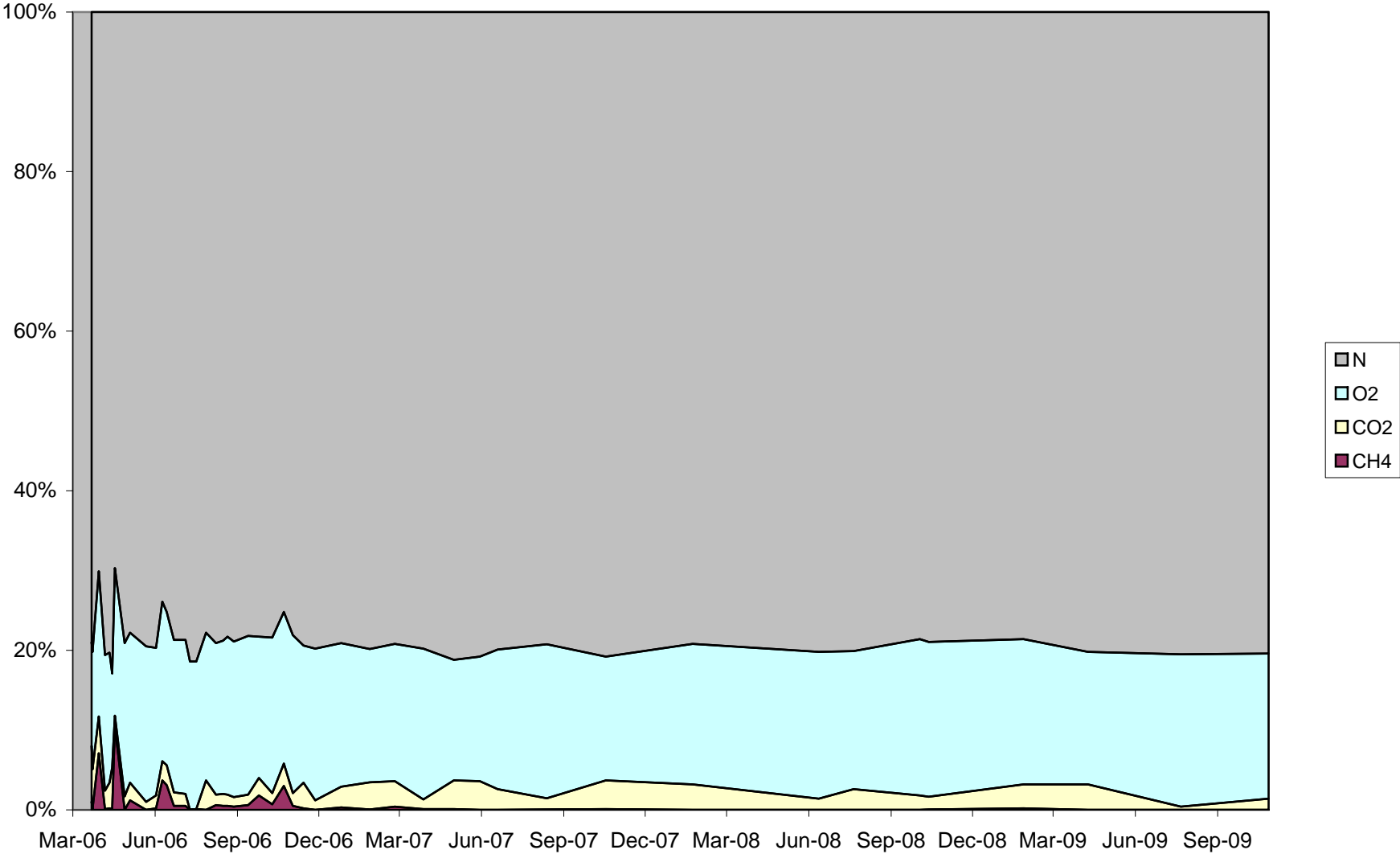


Chart 22: GP-8 Gas Concentrations

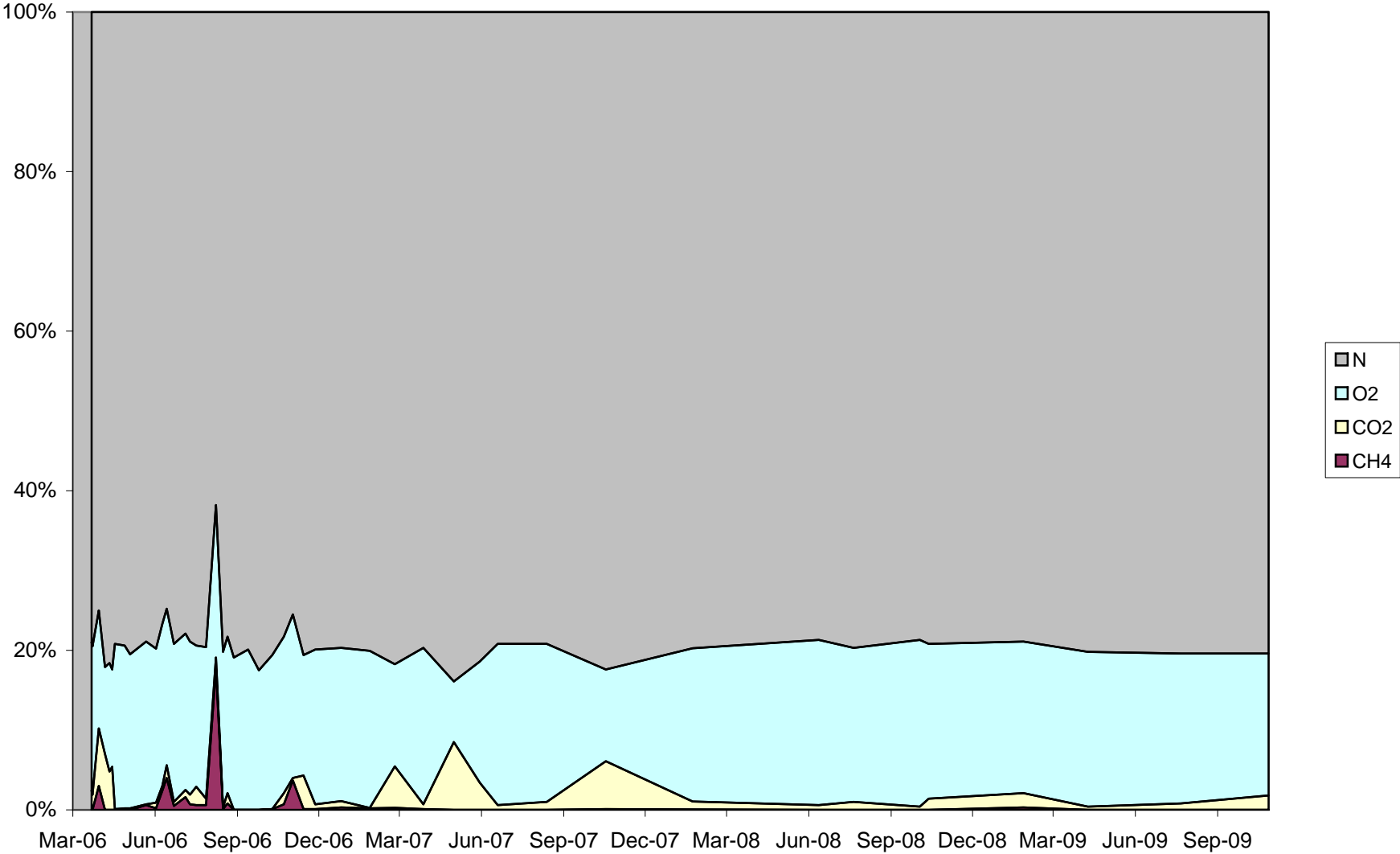


Chart 23: GP-10 Gas Concentrations

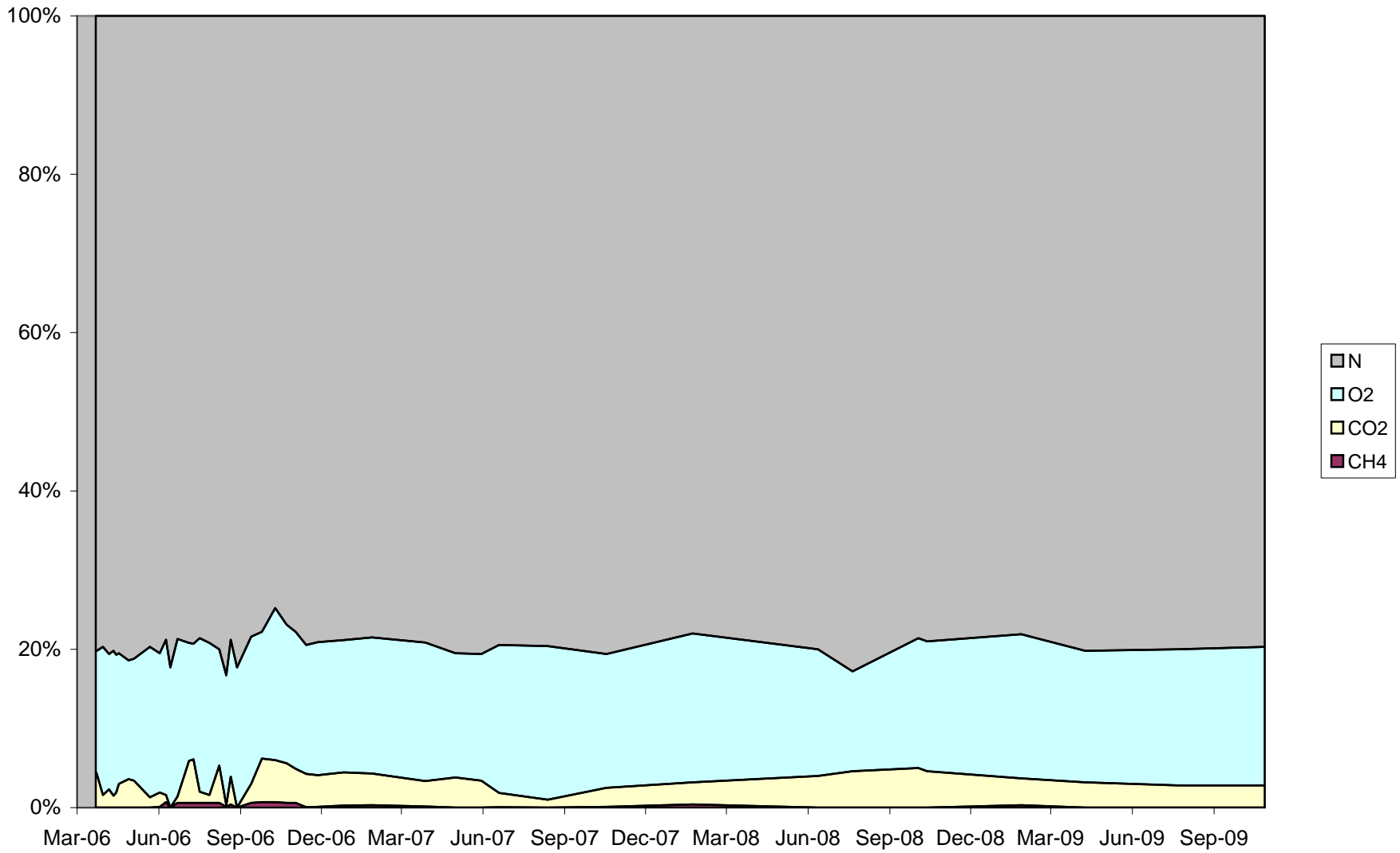


Chart 24: GP-11 Gas Concentrations

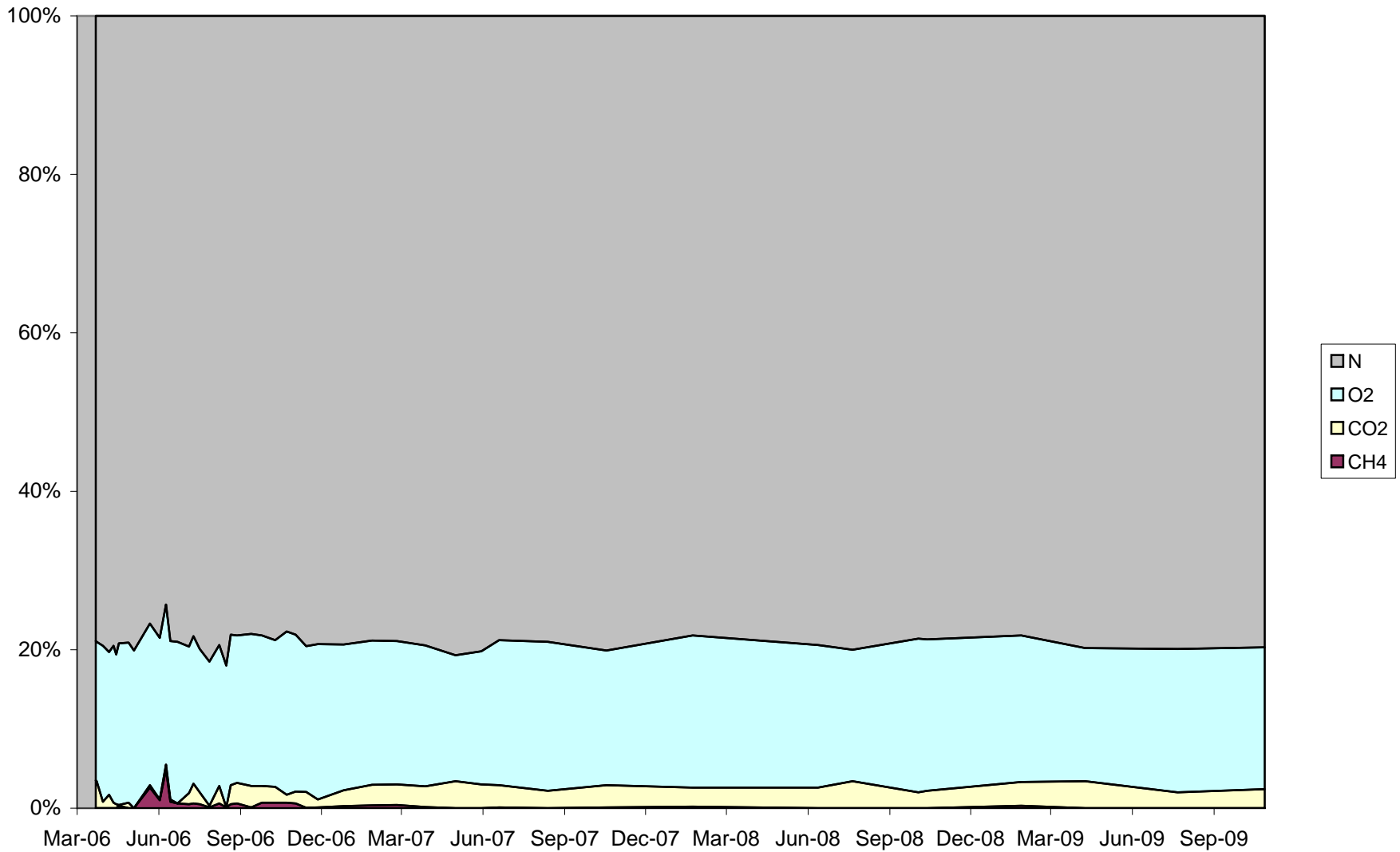


Chart 25: GP-12 Gas Concentrations

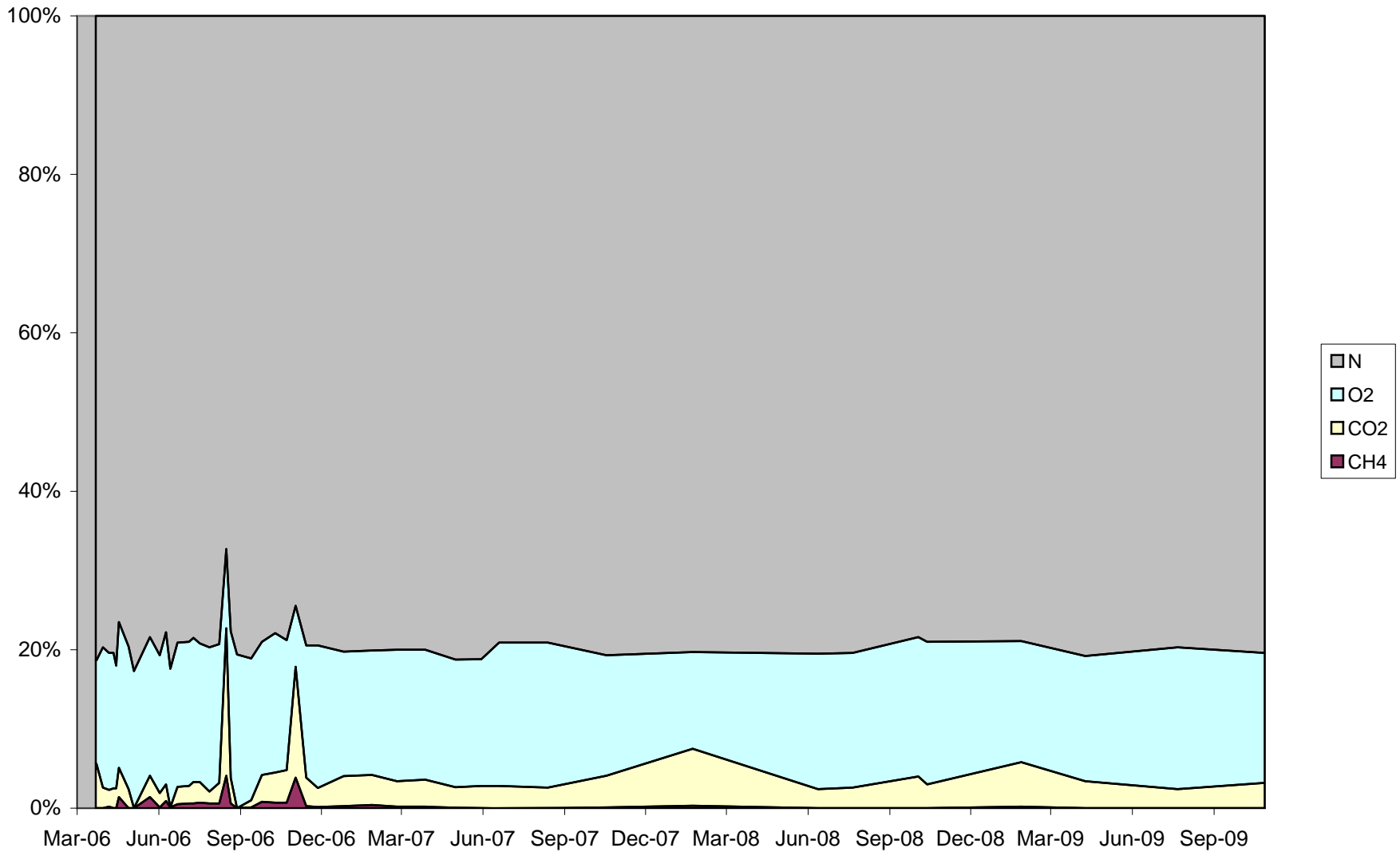


Chart 26: MW-101 Gas Concentrations

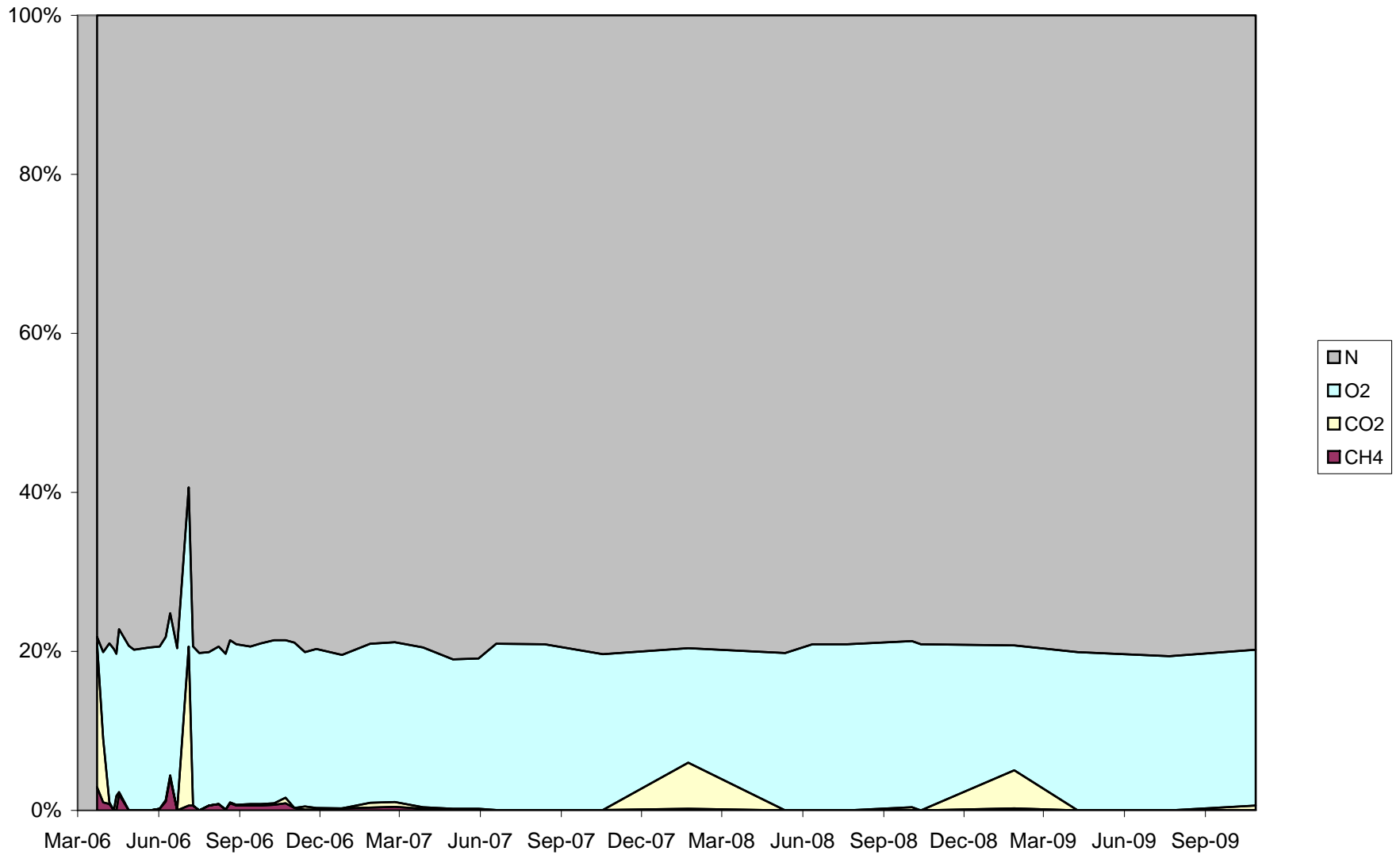


Chart 27: MW-102 Gas Concentrations

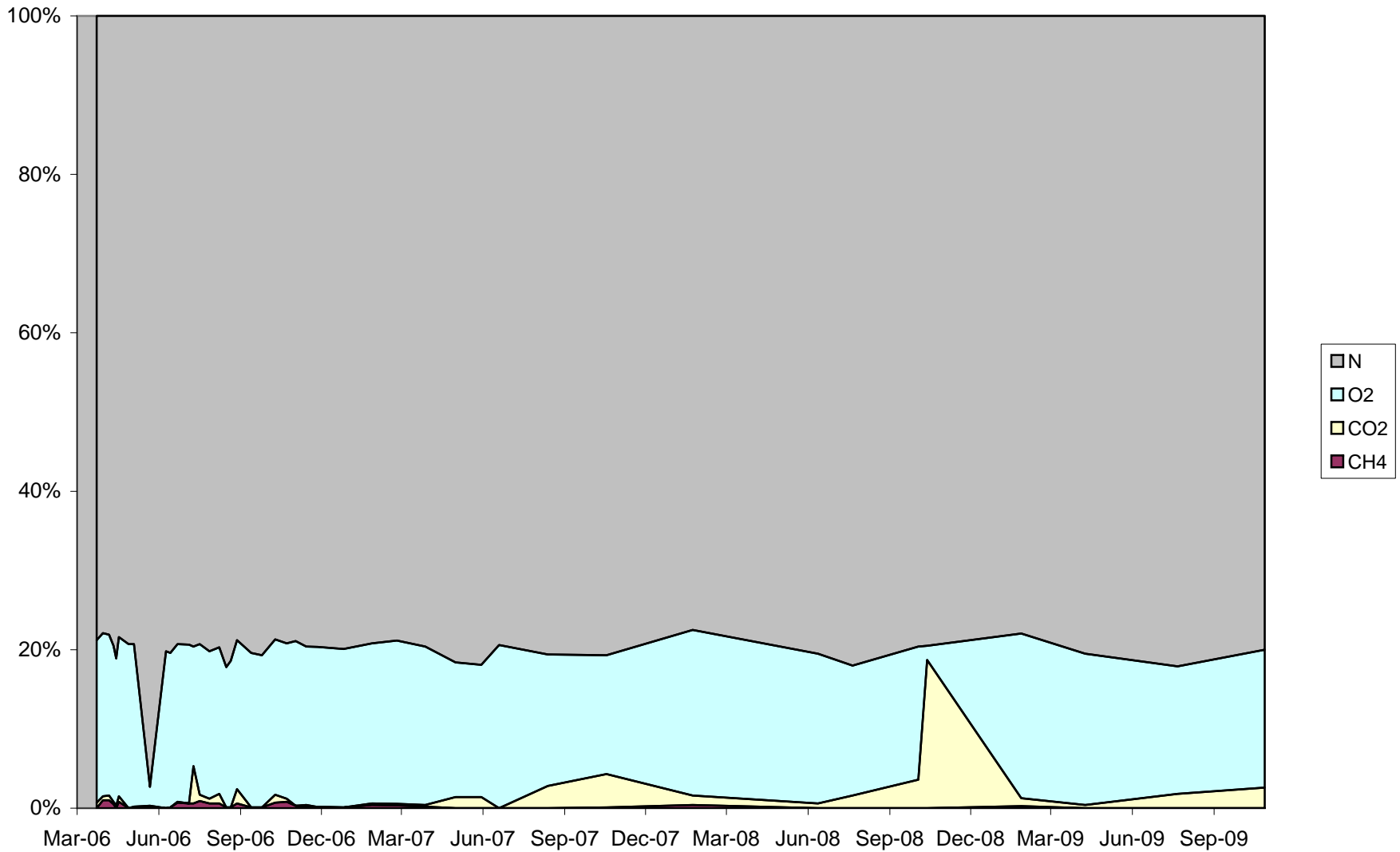


Chart 28: MW-103 Gas Concentrations

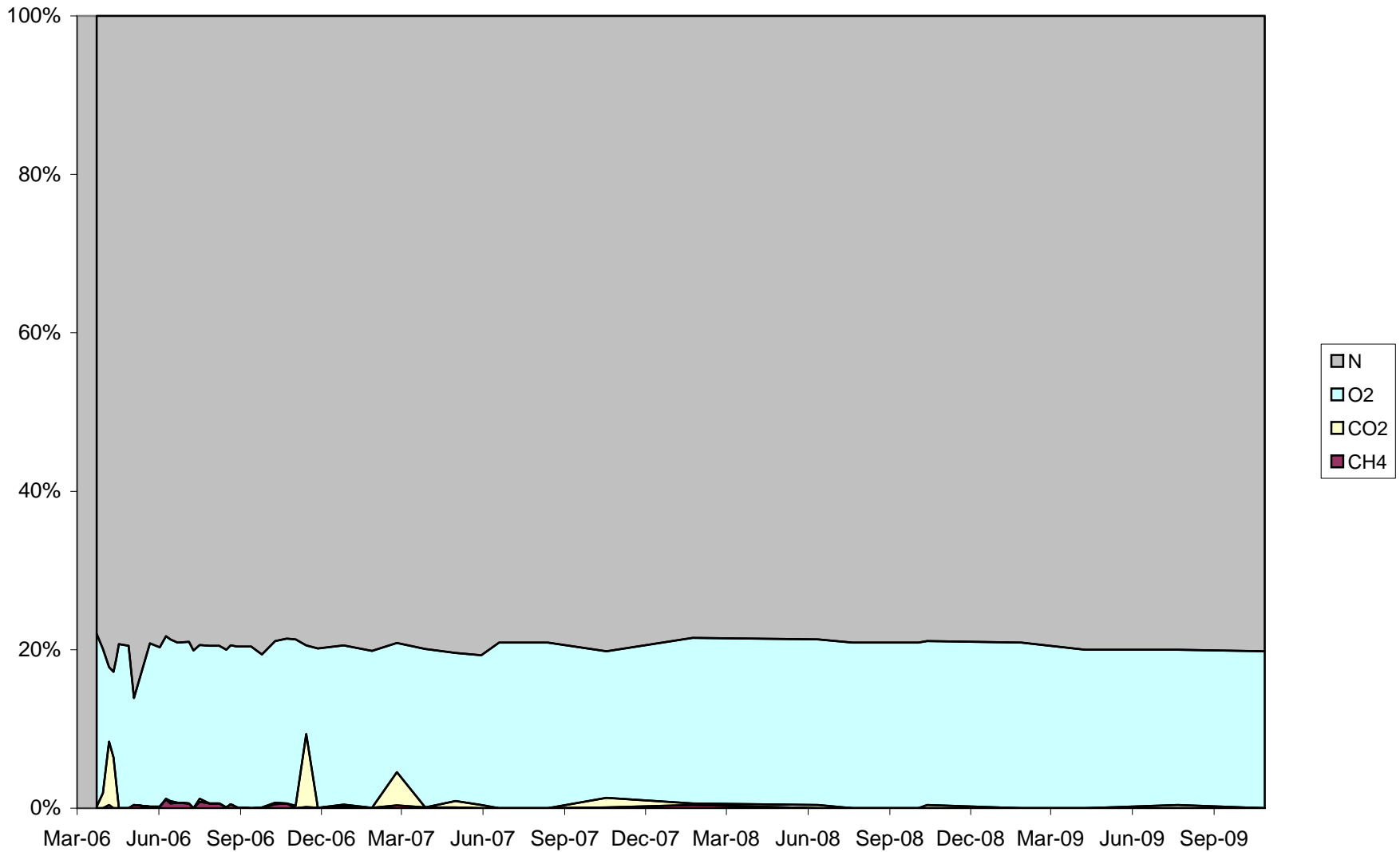
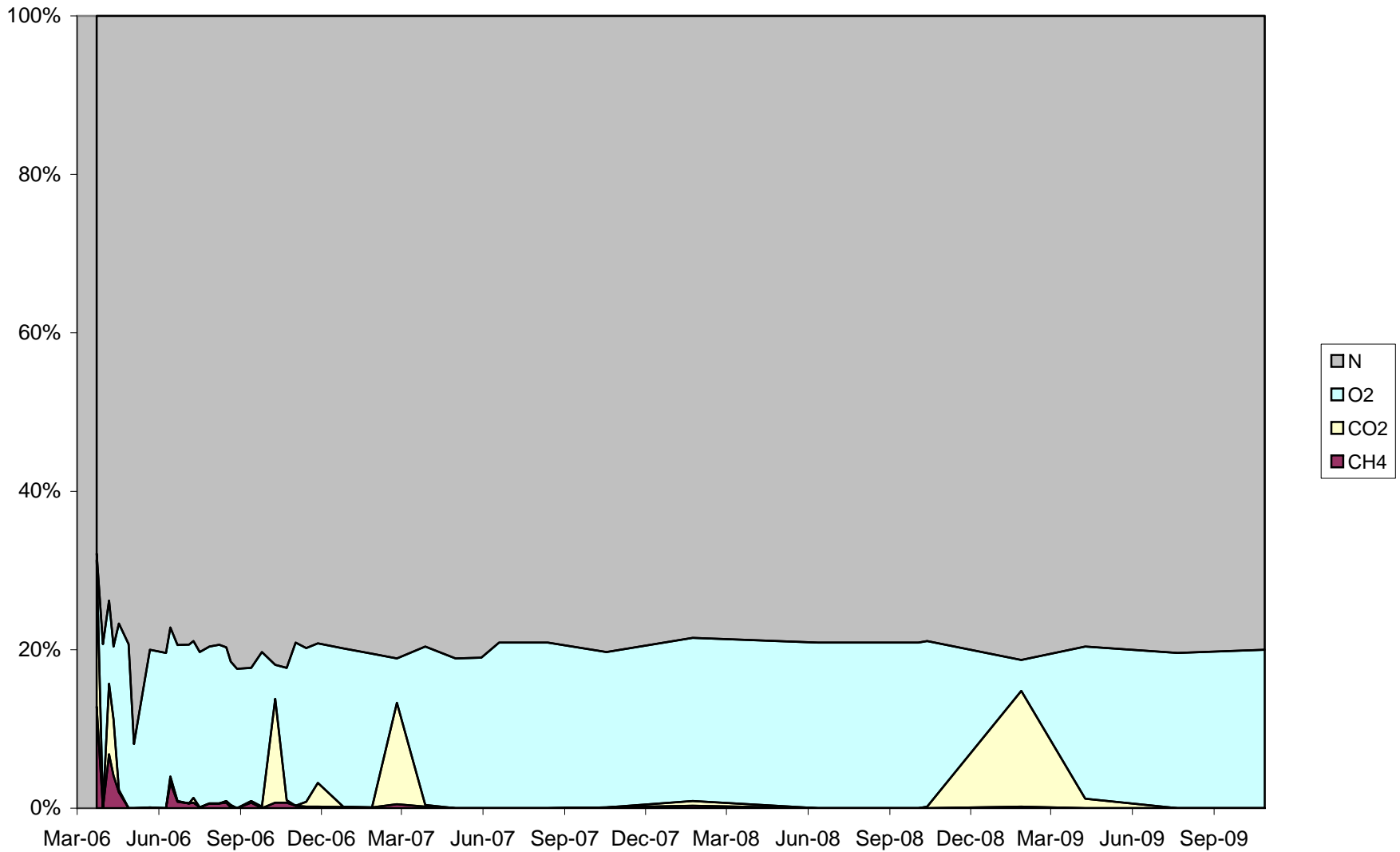
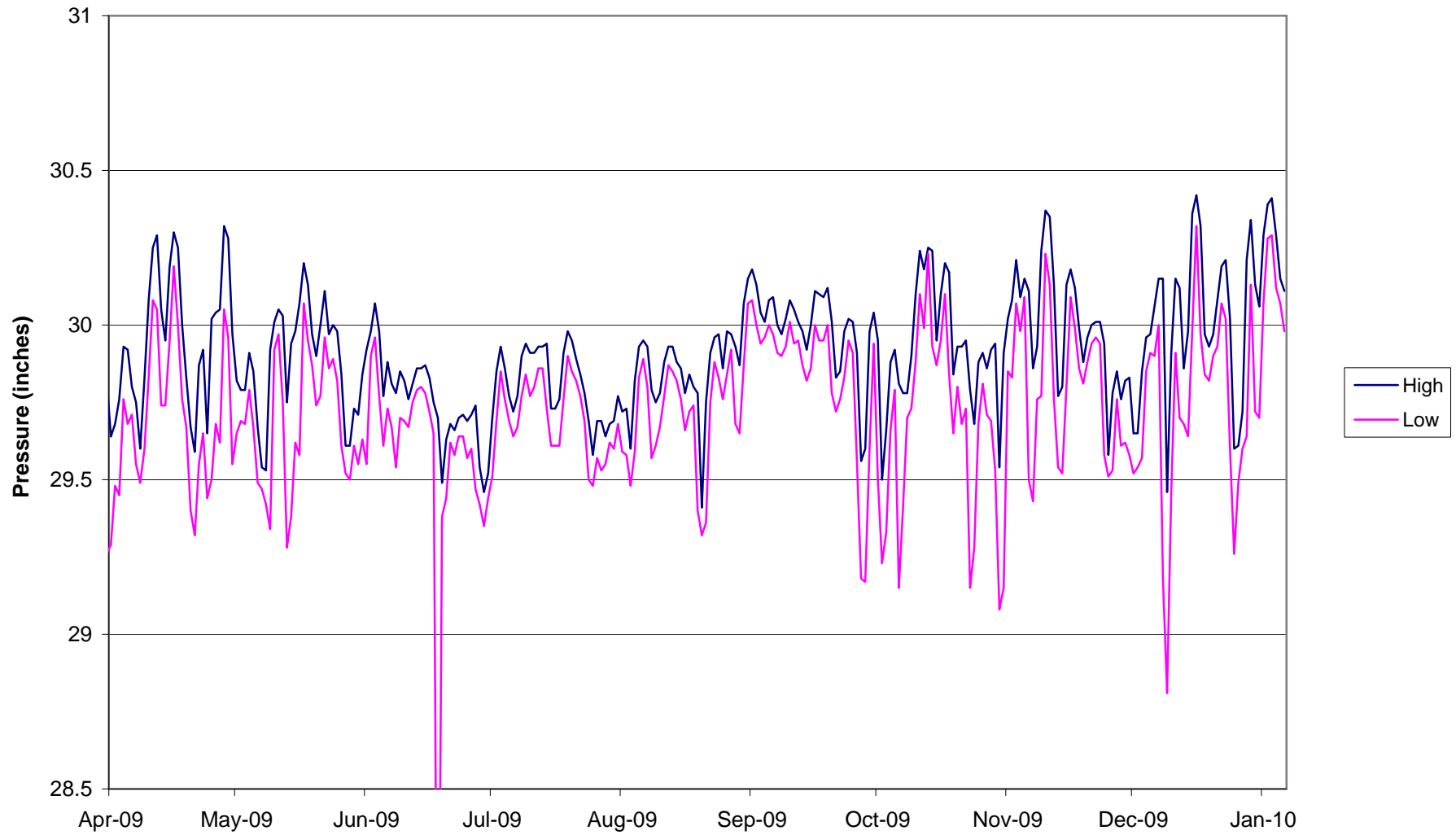


Chart 29: MW-104 Gas Concentrations



**Chart 30: Barometric Pressure
(Weather Station: Ripon, WI)**



**Chart 31: MW-101
Layer 1 Well**

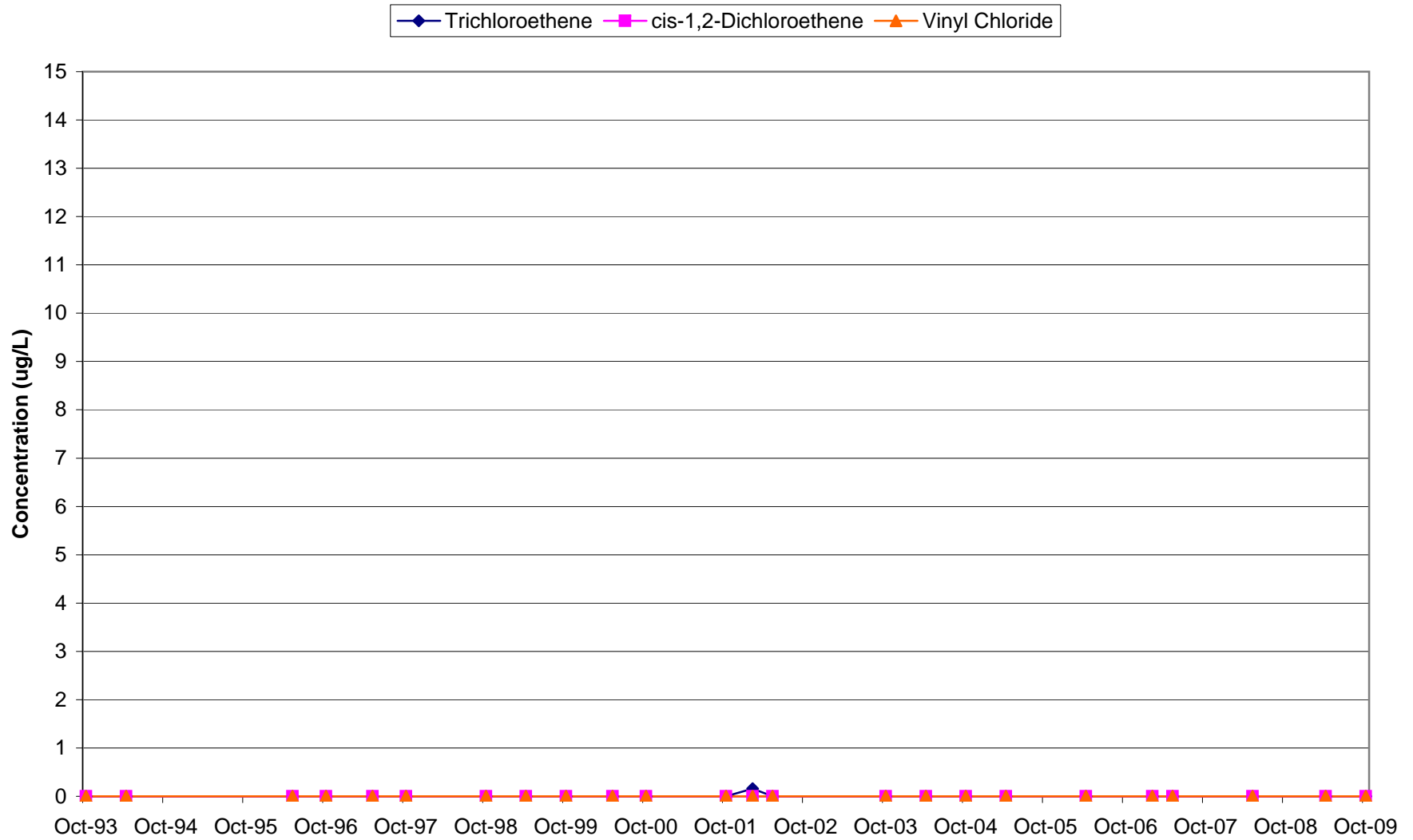
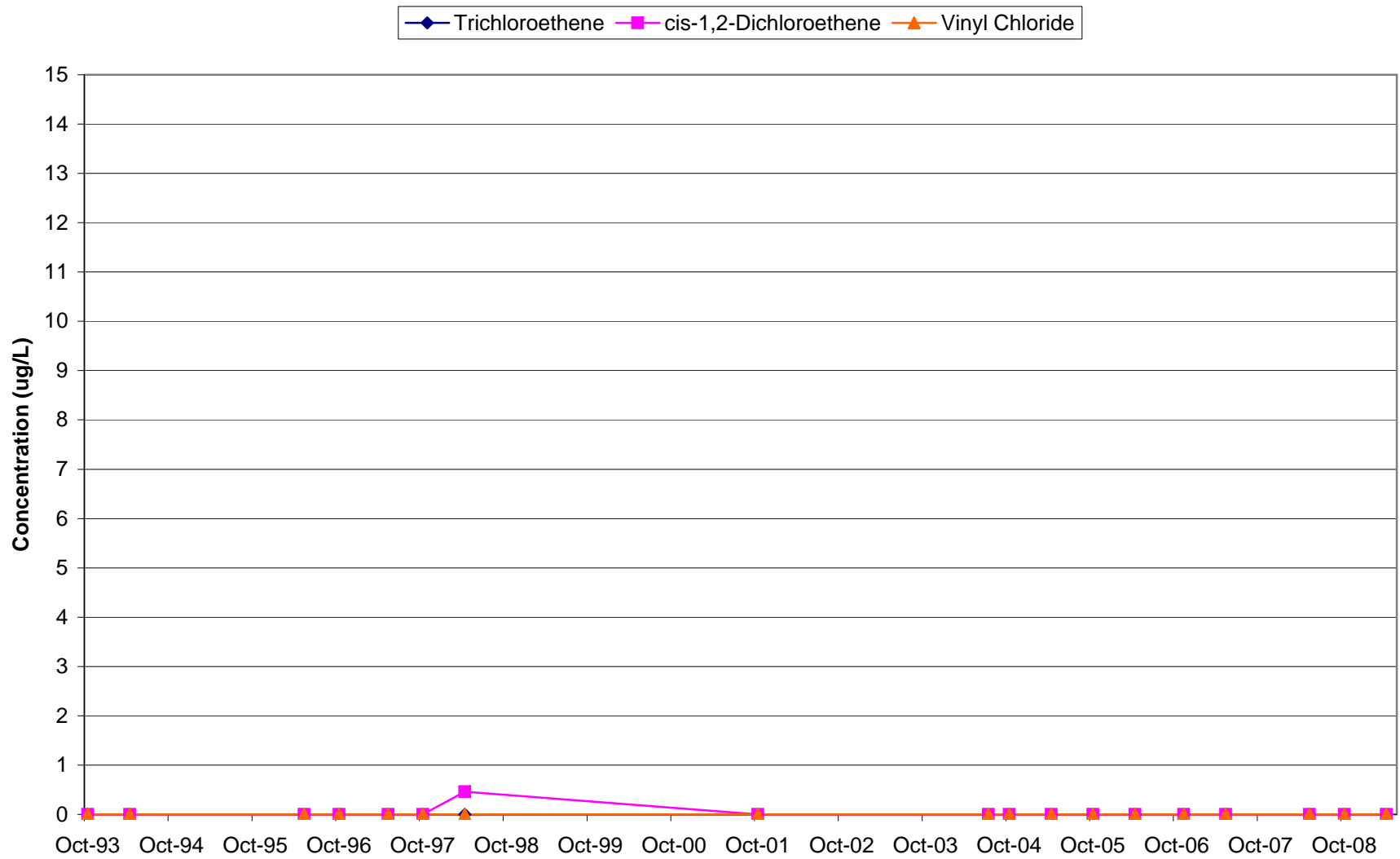


Chart 32: MW-102
Layer 1 Well



**Chart 33: MW-103
Layer 1 Well**

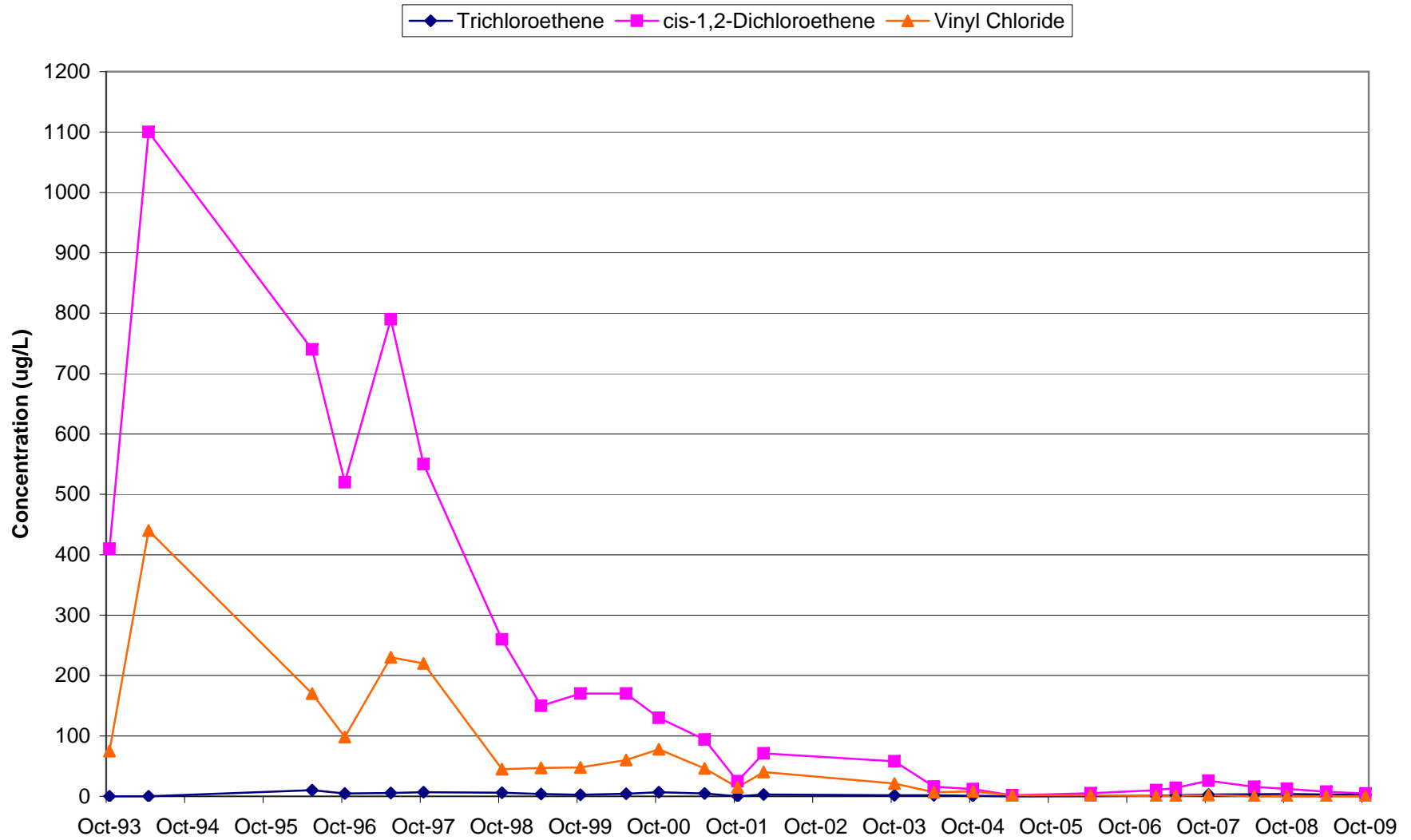
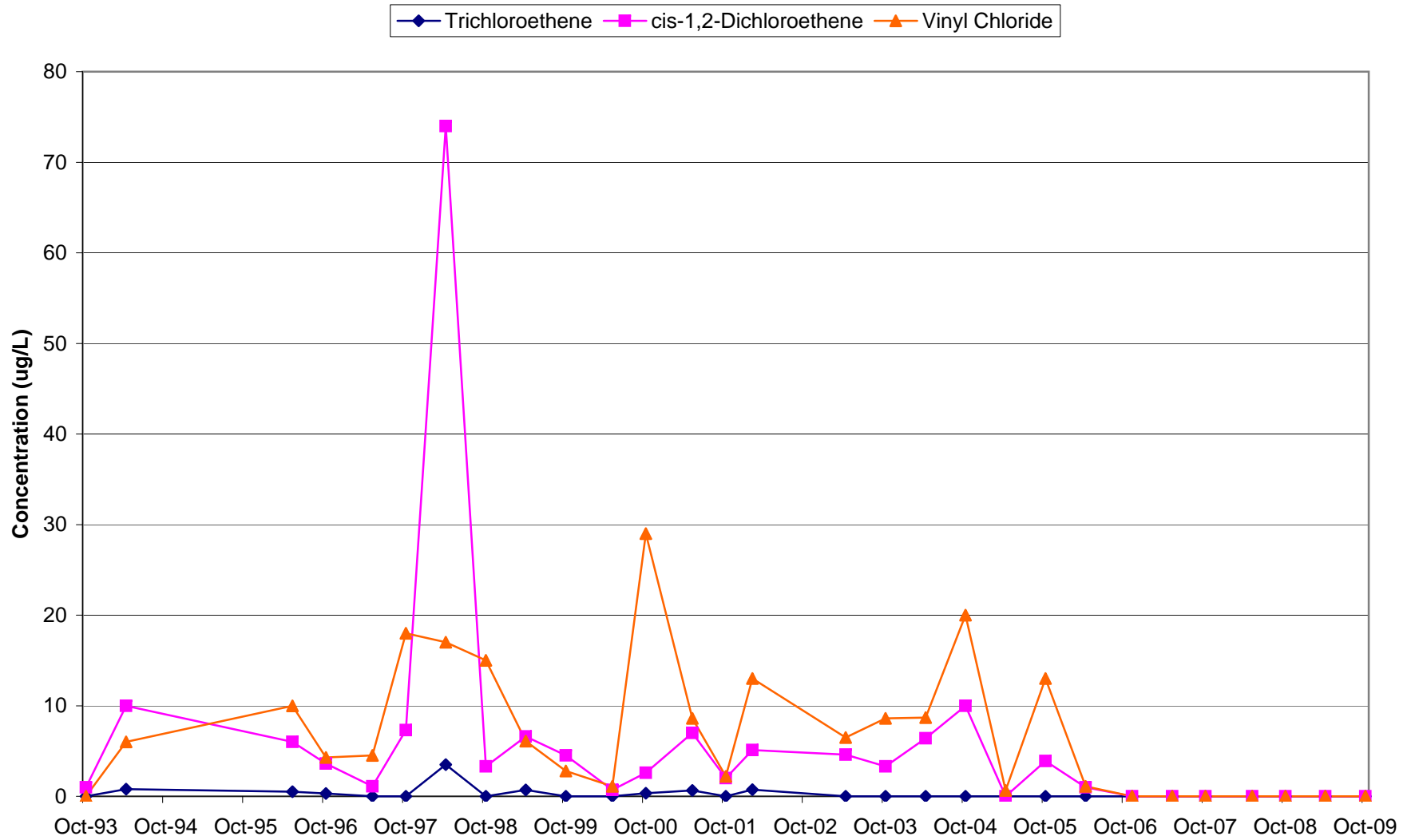


Chart 34: MW-104
Layer 1 Well



**Chart 35: MW-106
Layer 1 Well**

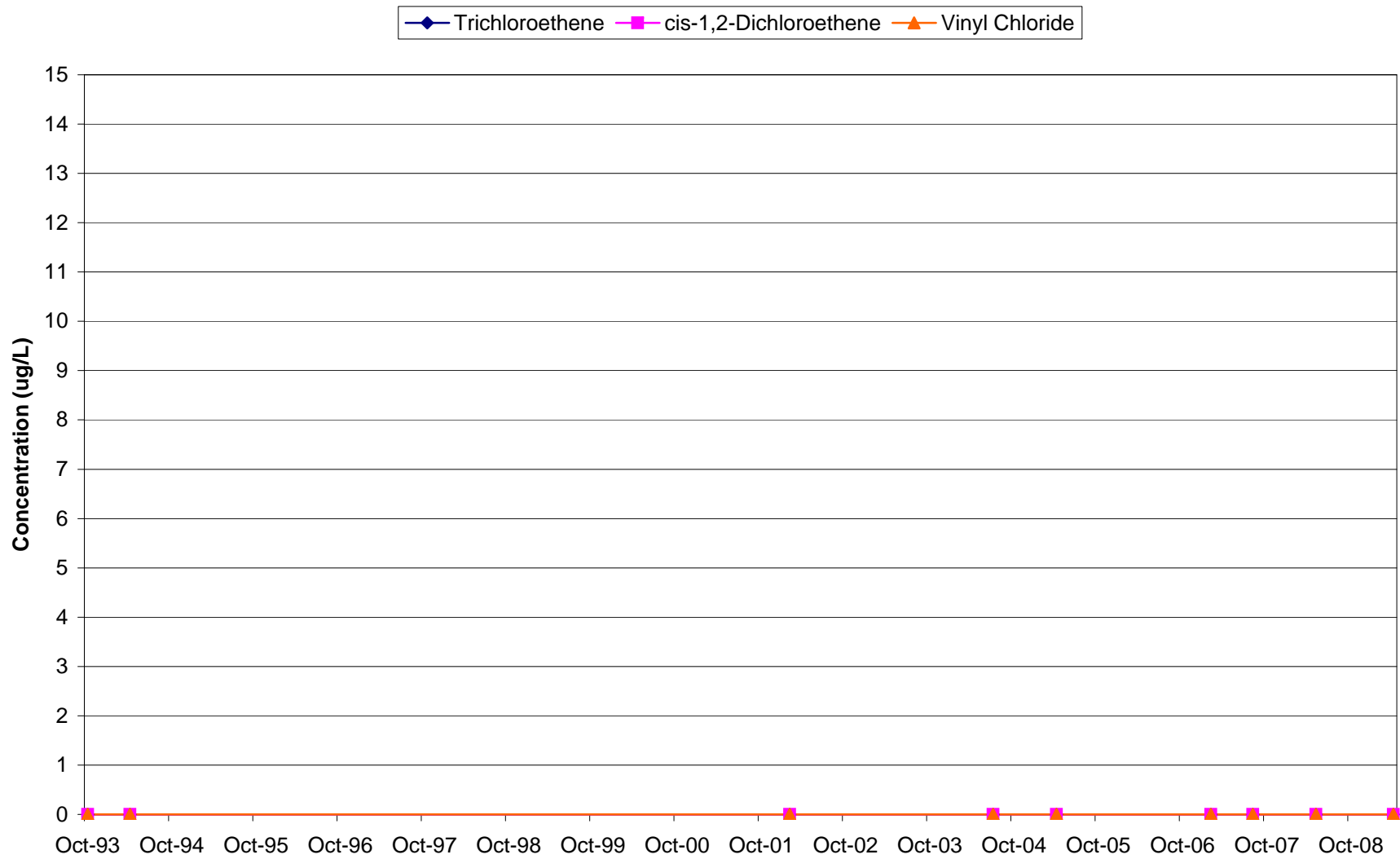


Chart 36: MW-107
Layer 1 Well

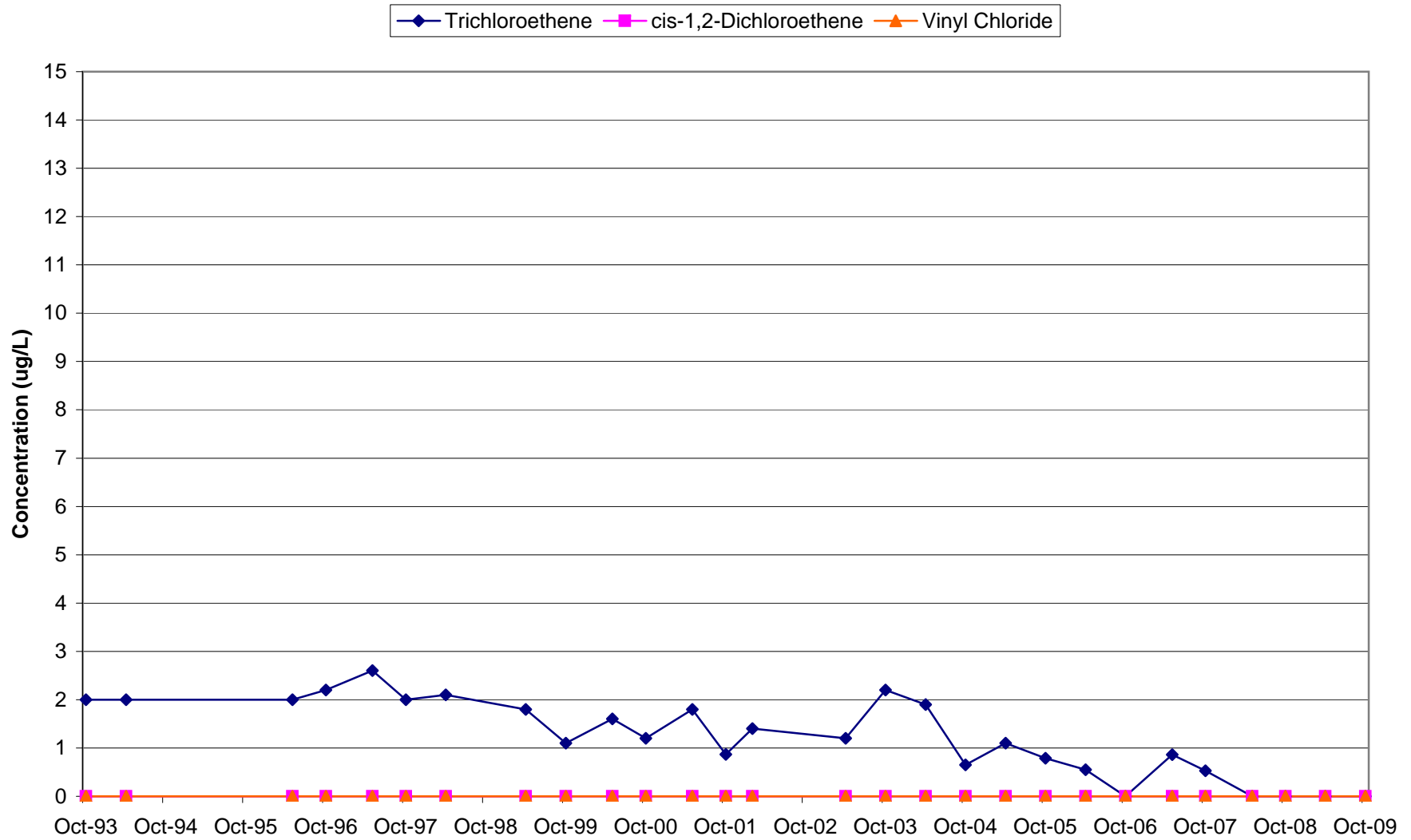
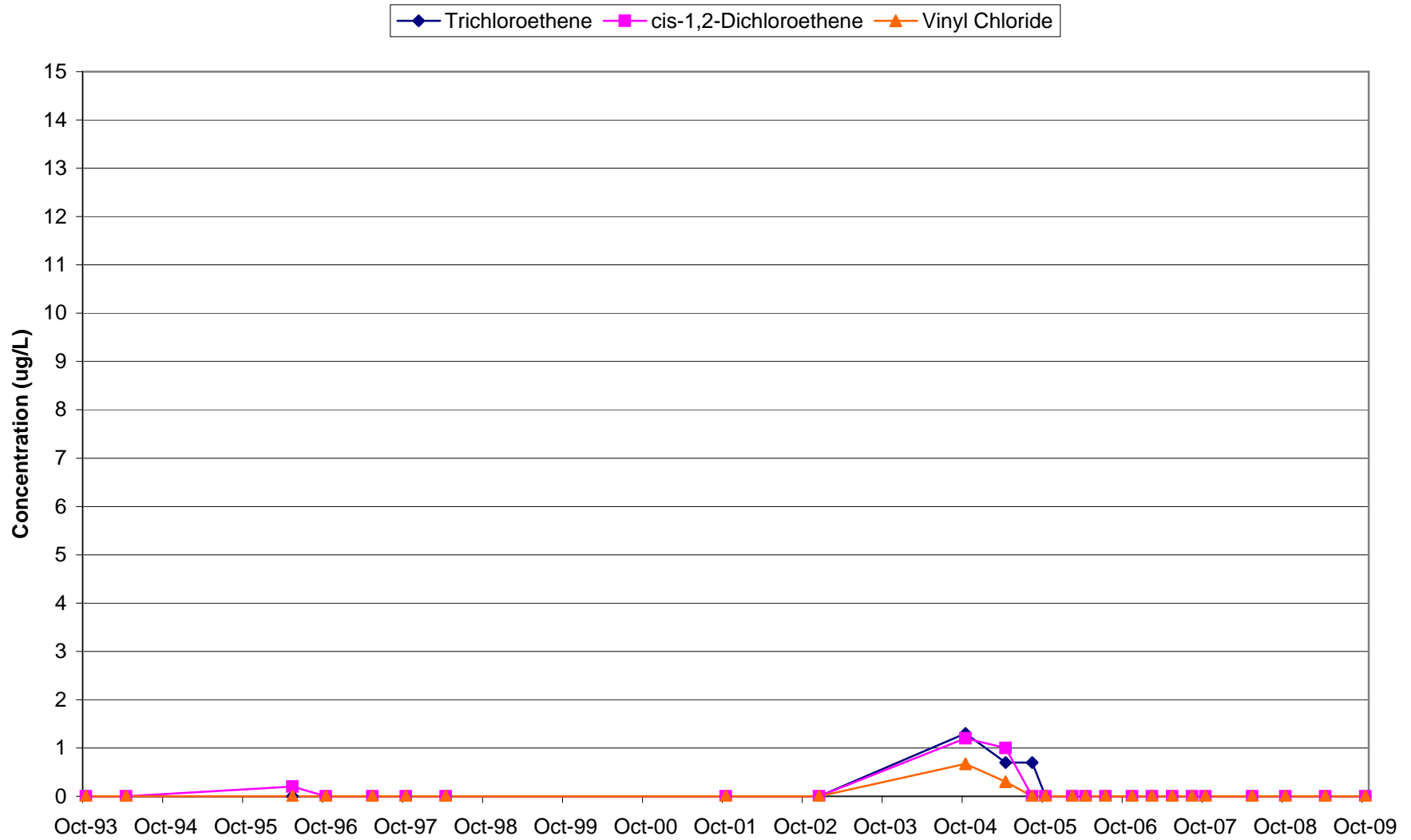


Chart 37: MW-108
Layer 1 Well



**Chart 38: MW-111
Layer 1 Well**

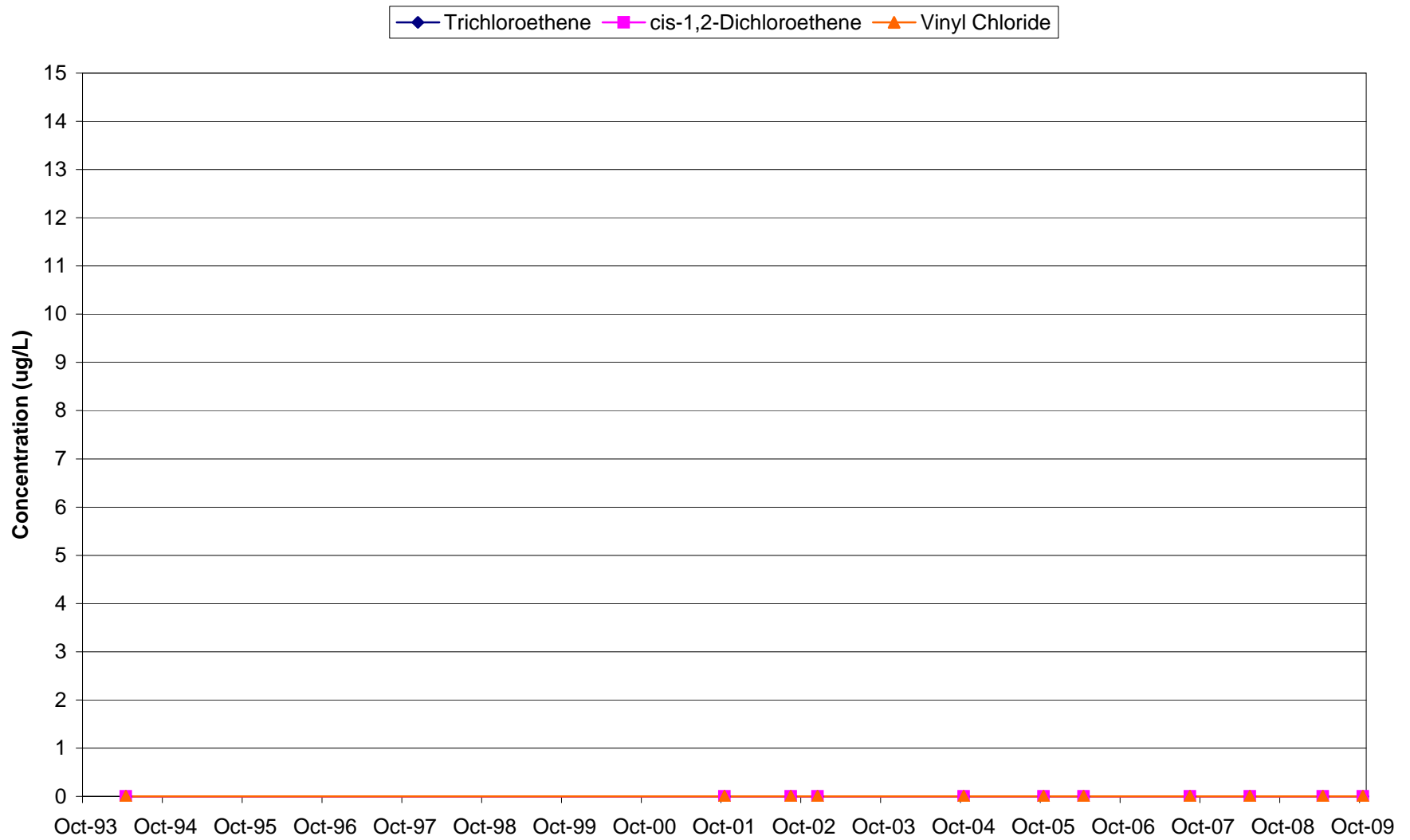
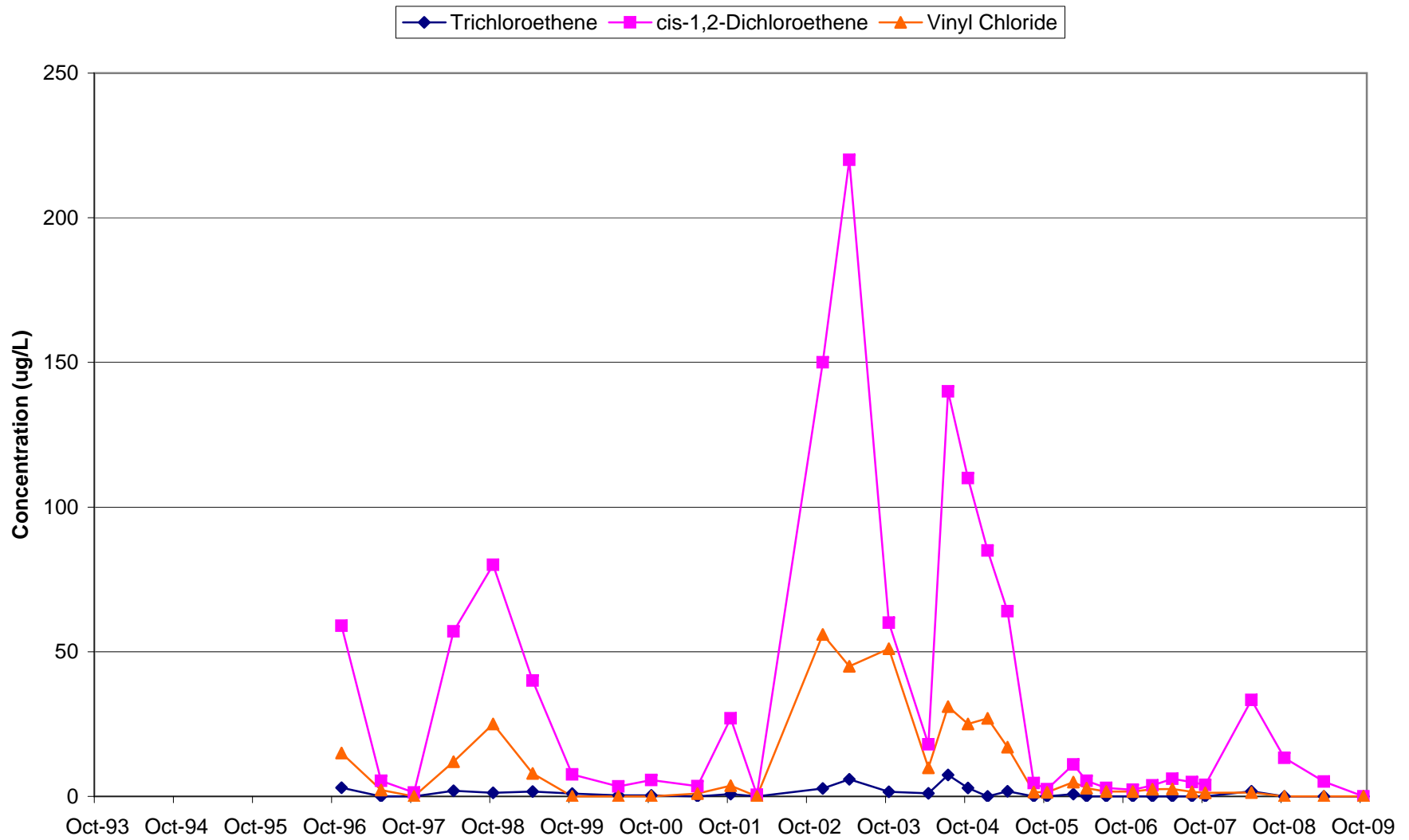


Chart 39: MW-112
Layer 1 Well



**Chart 40: P-101
Layer 2 Well**

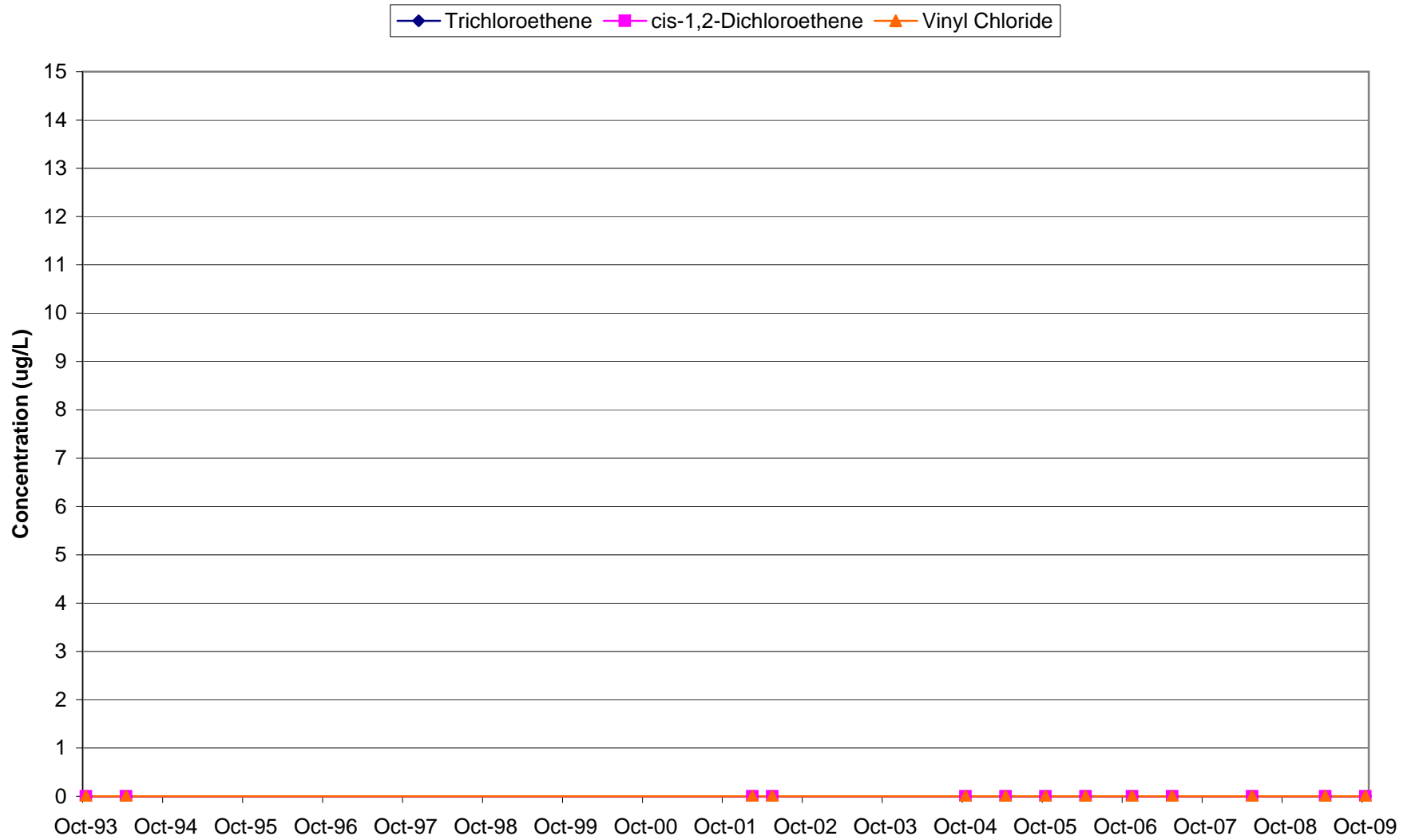


Chart 41: P-102
Layer 2 Well

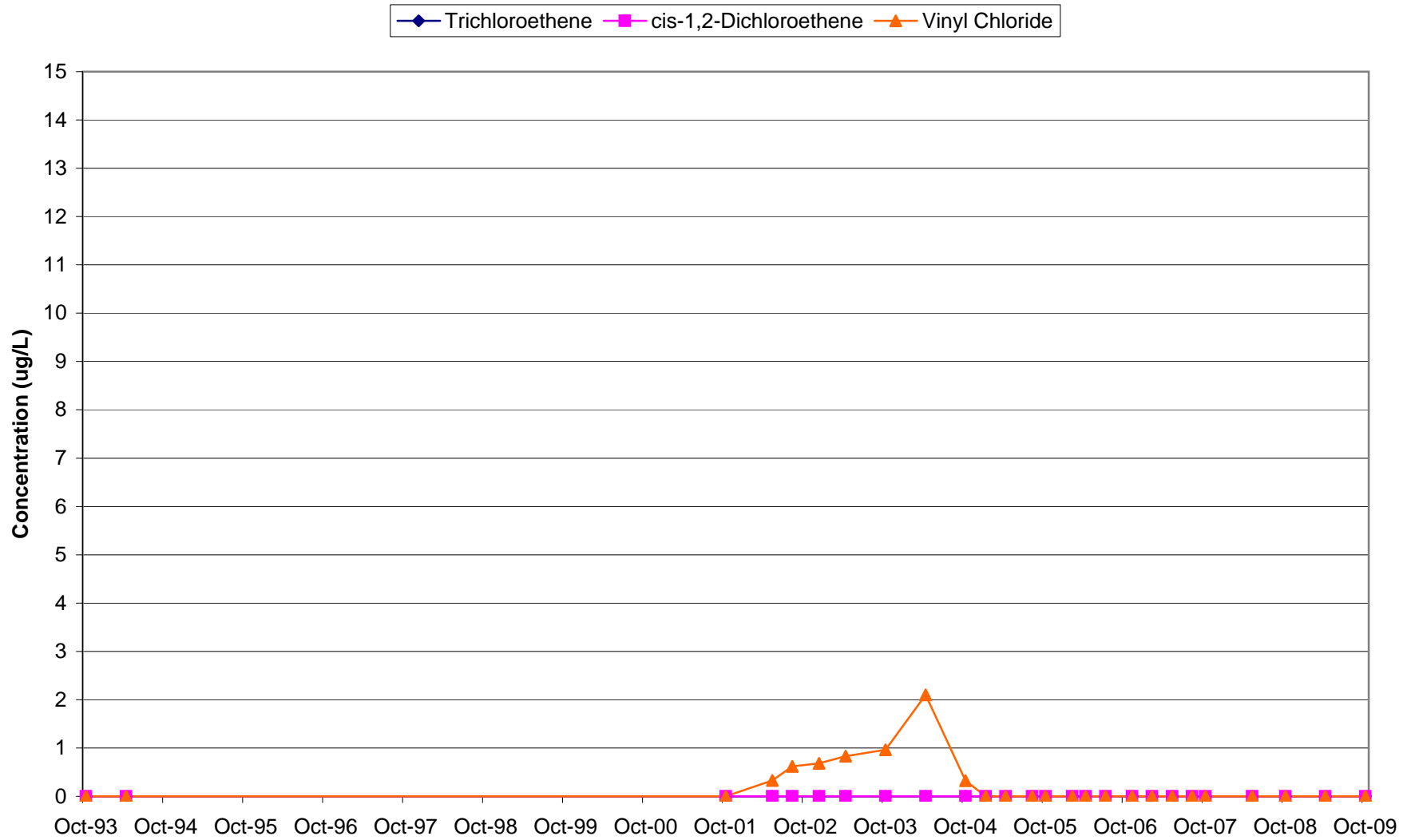
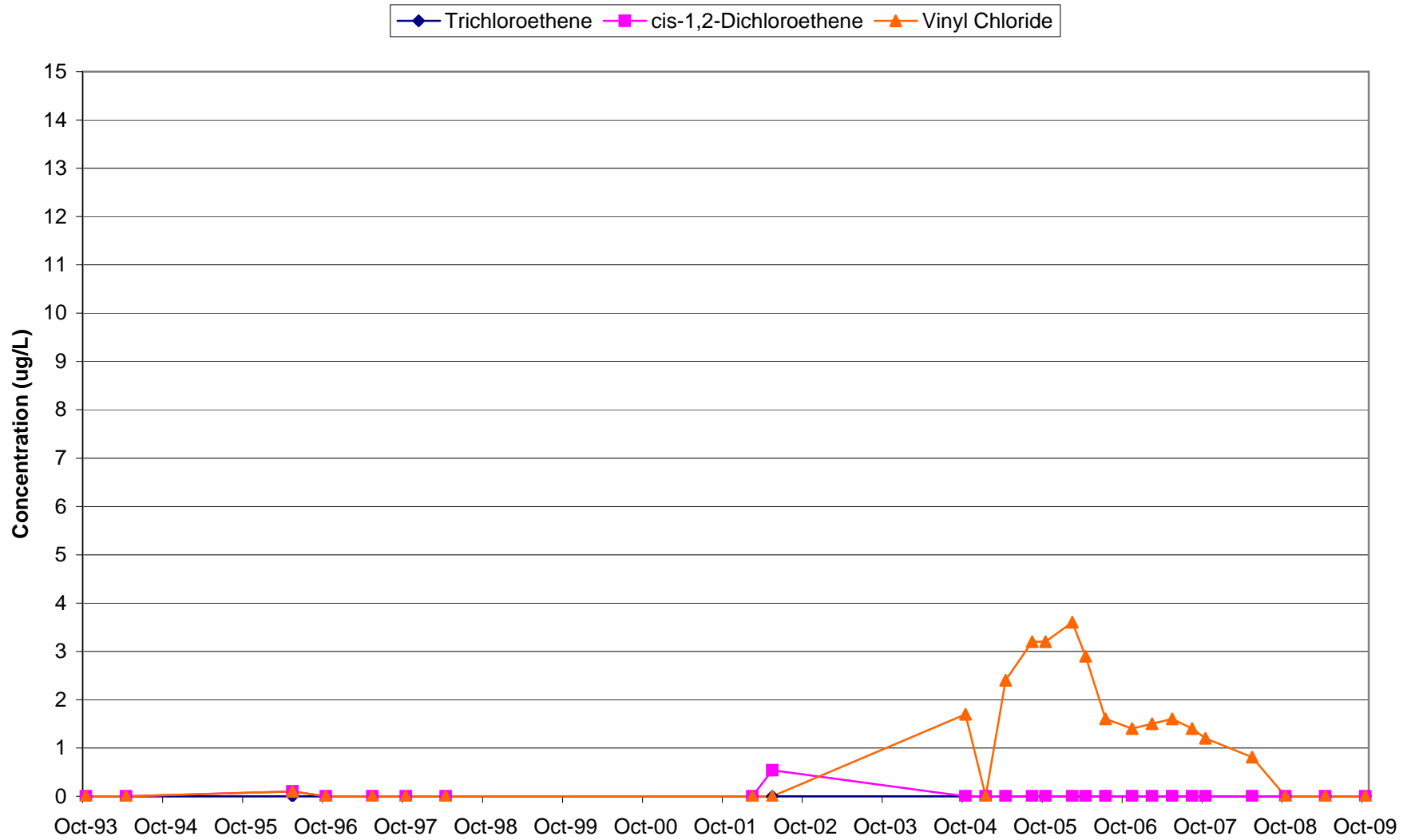


Chart 42: P-103
Layer 2 Well



**Chart 43: P-104
Layer 2 Well**

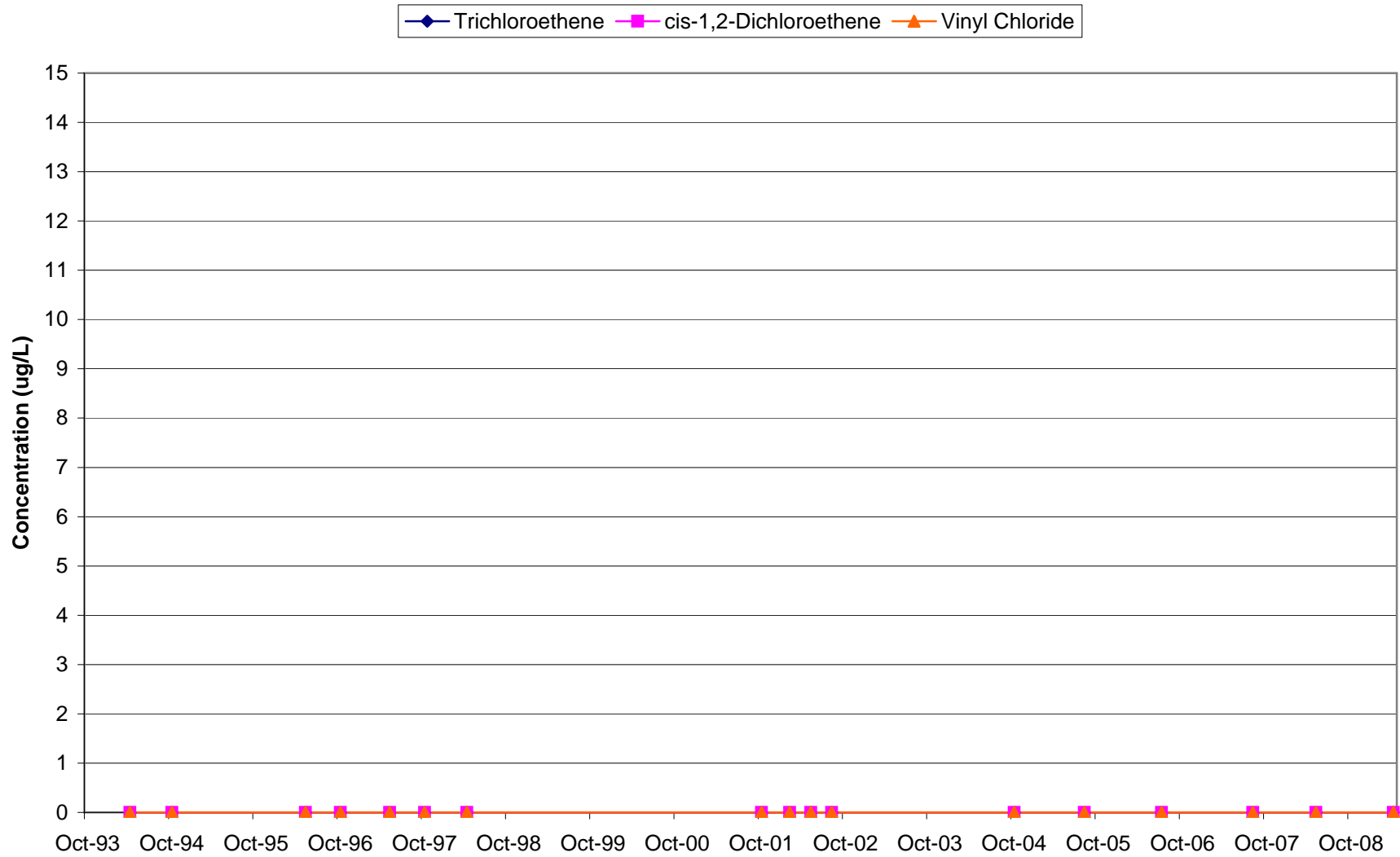


Chart 44: P-106
Layer 2 Well

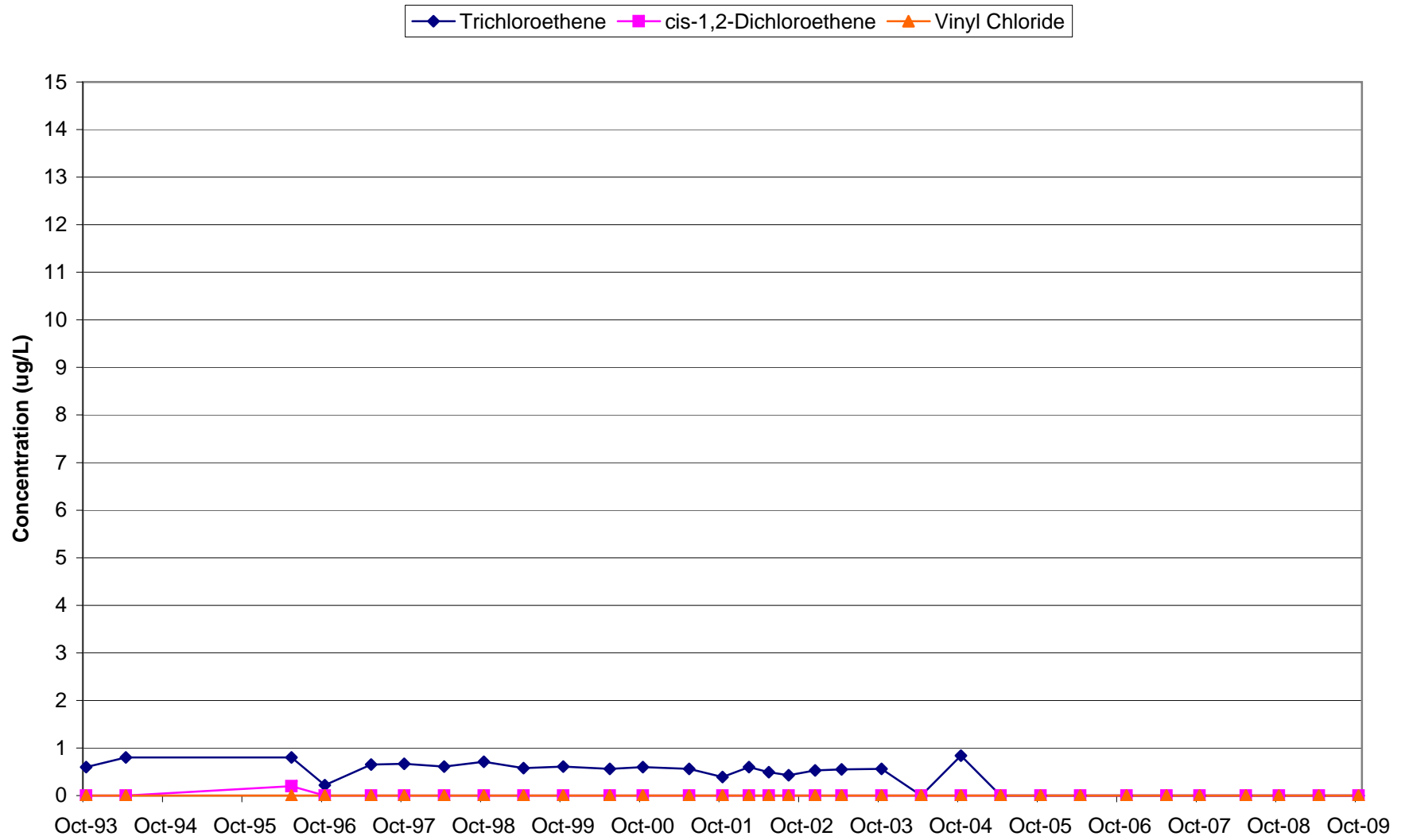
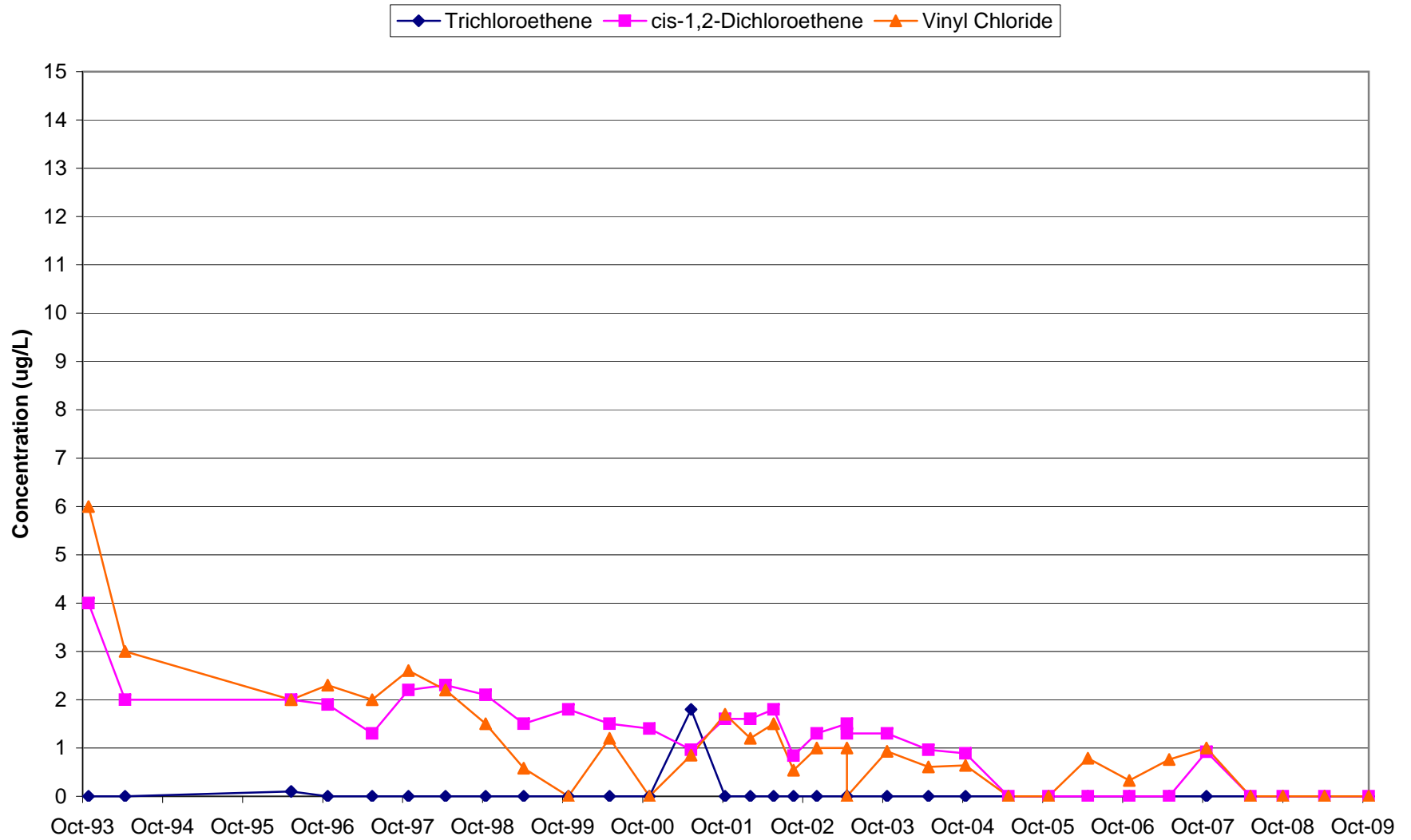
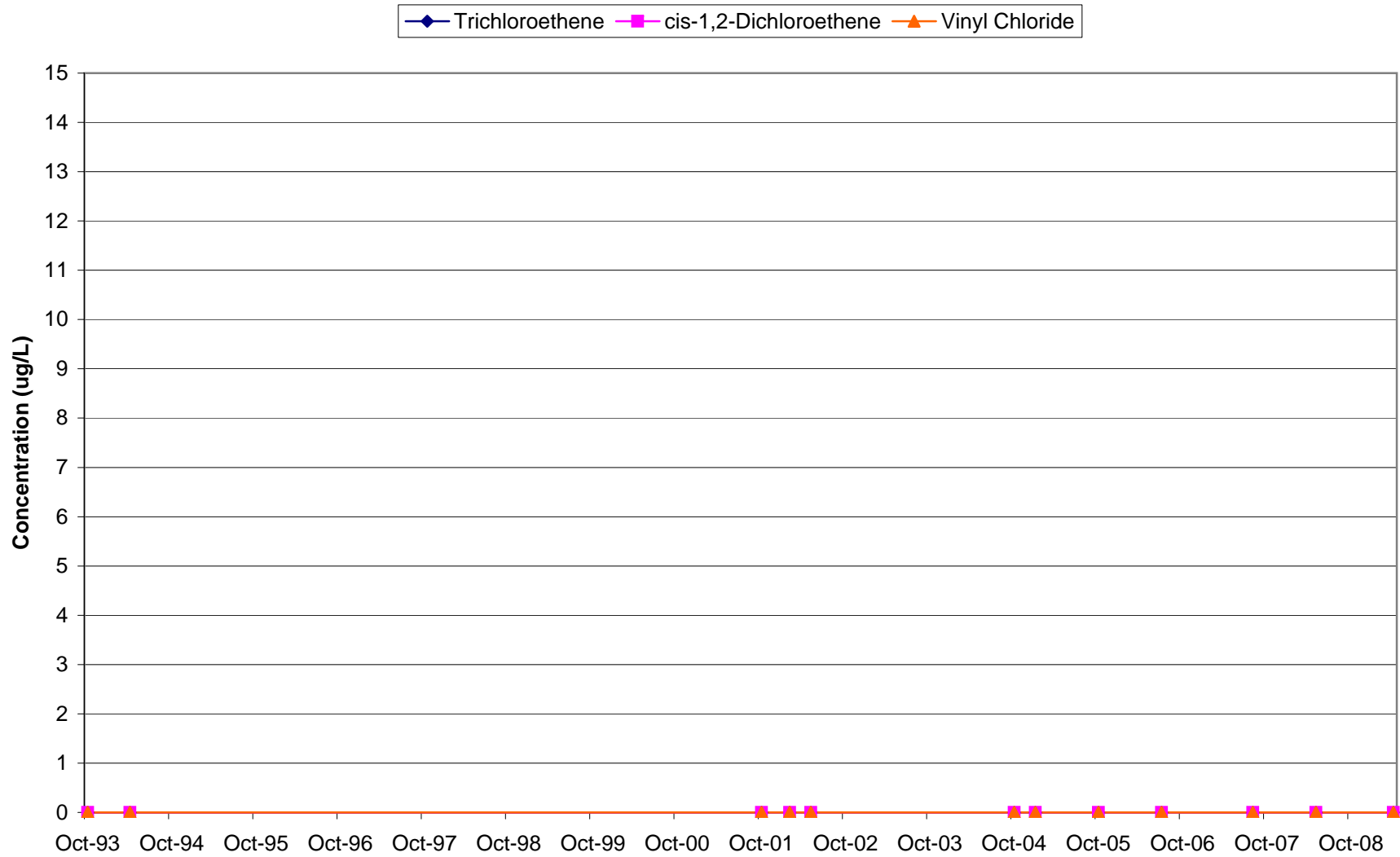


Chart 45: P-107
Layer 2 Well



**Chart 46: P-108
Layer 2 Well**



**Chart 47: P-111
Layer 2 Well**

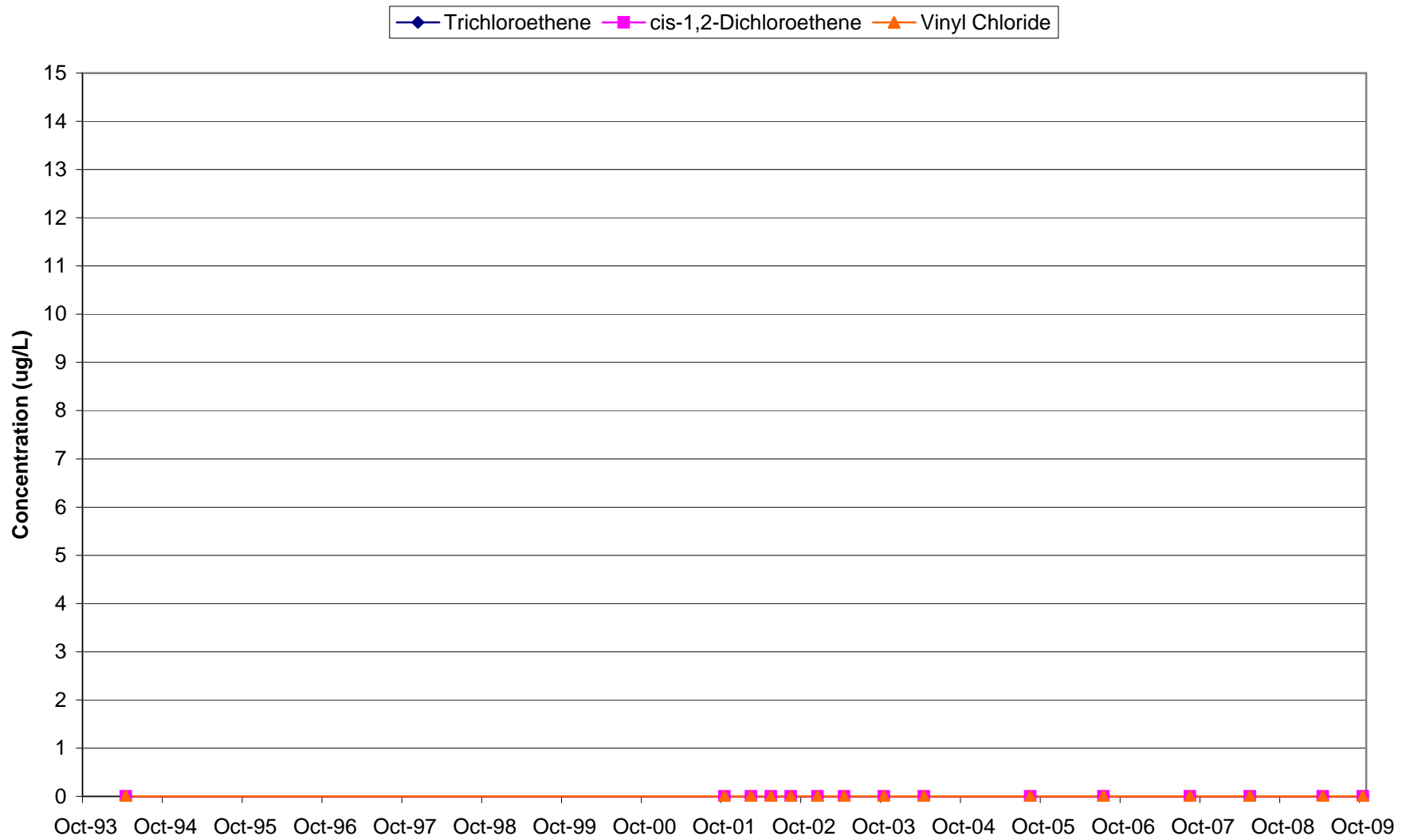


Chart 48: P-103D
Layer 3 Well

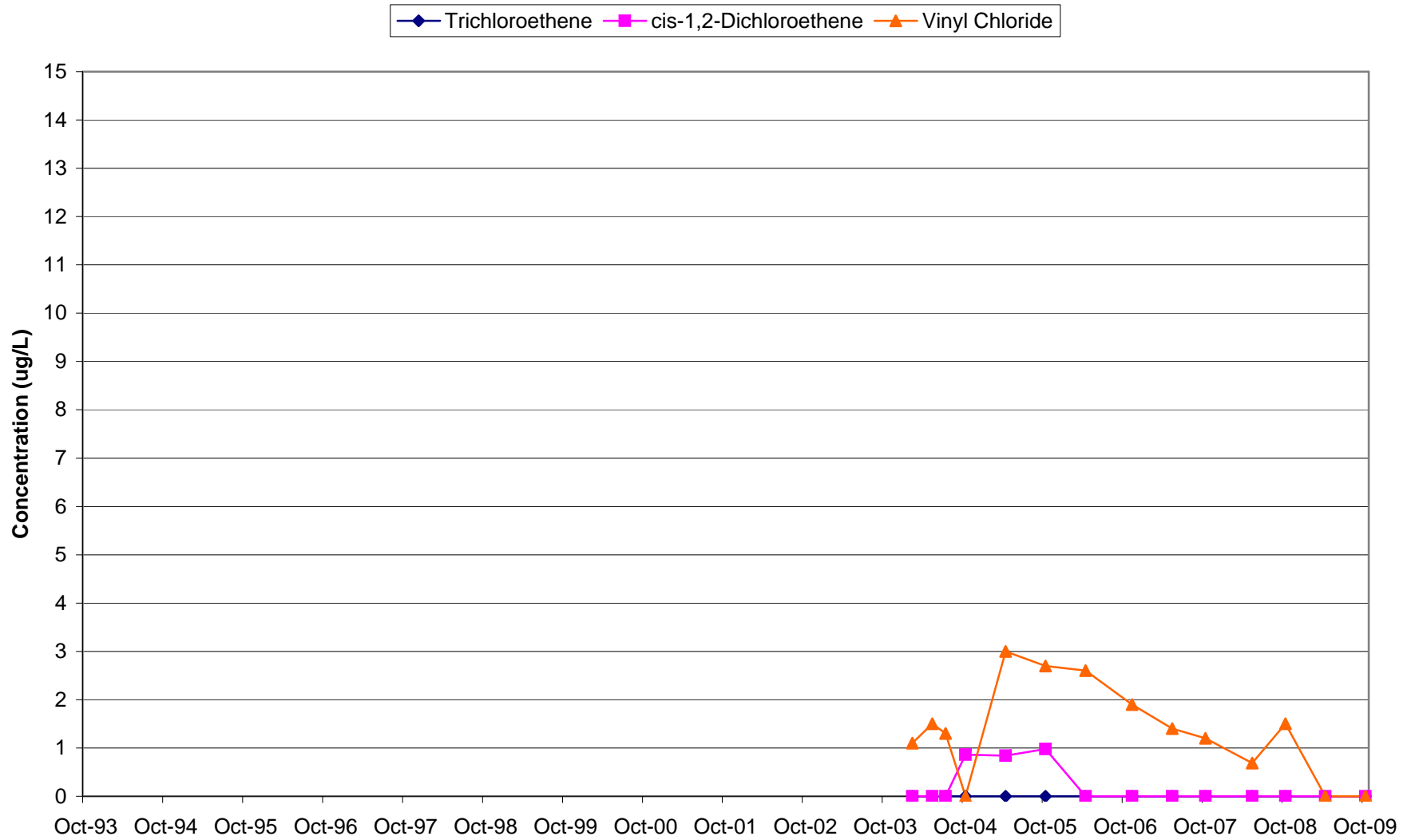
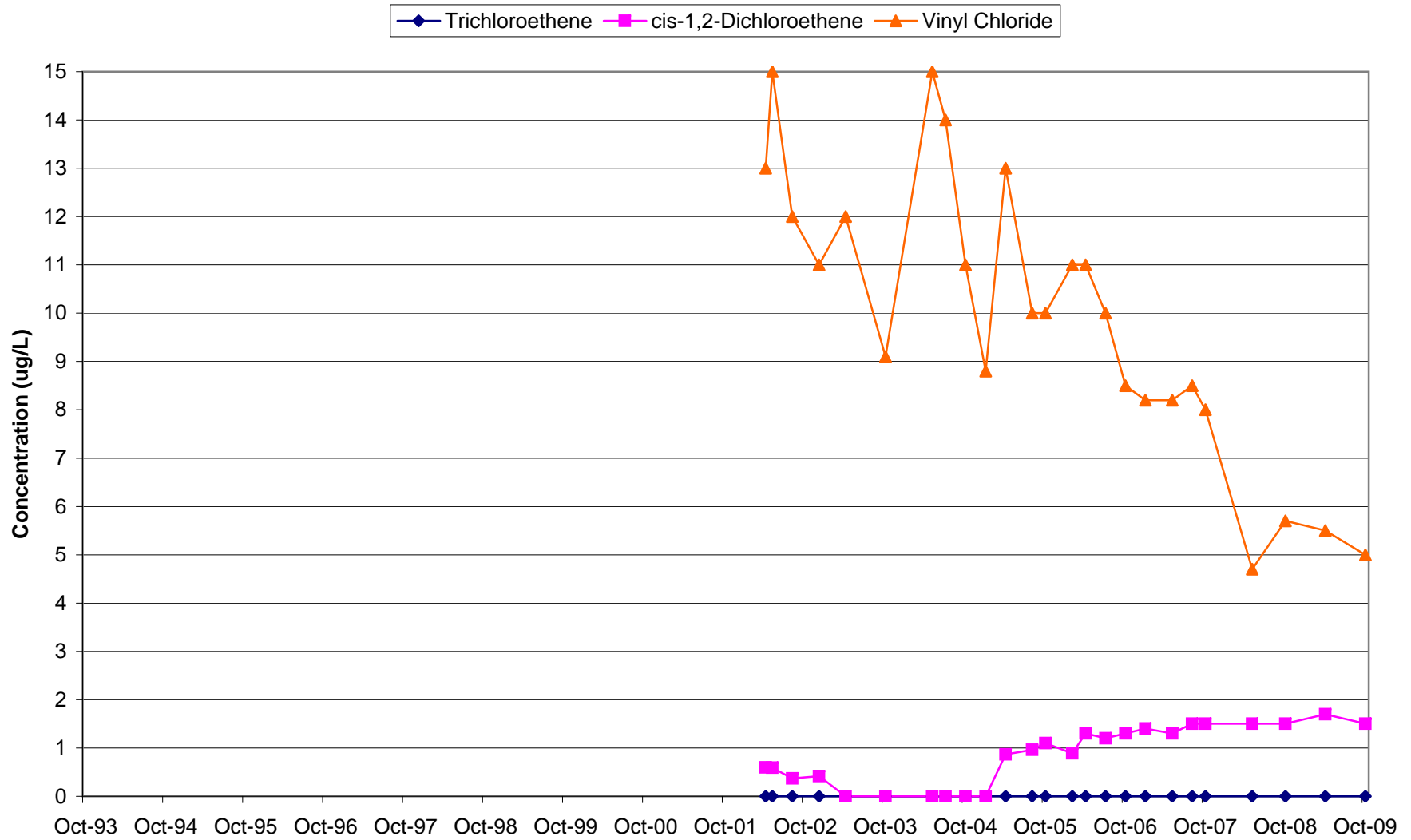
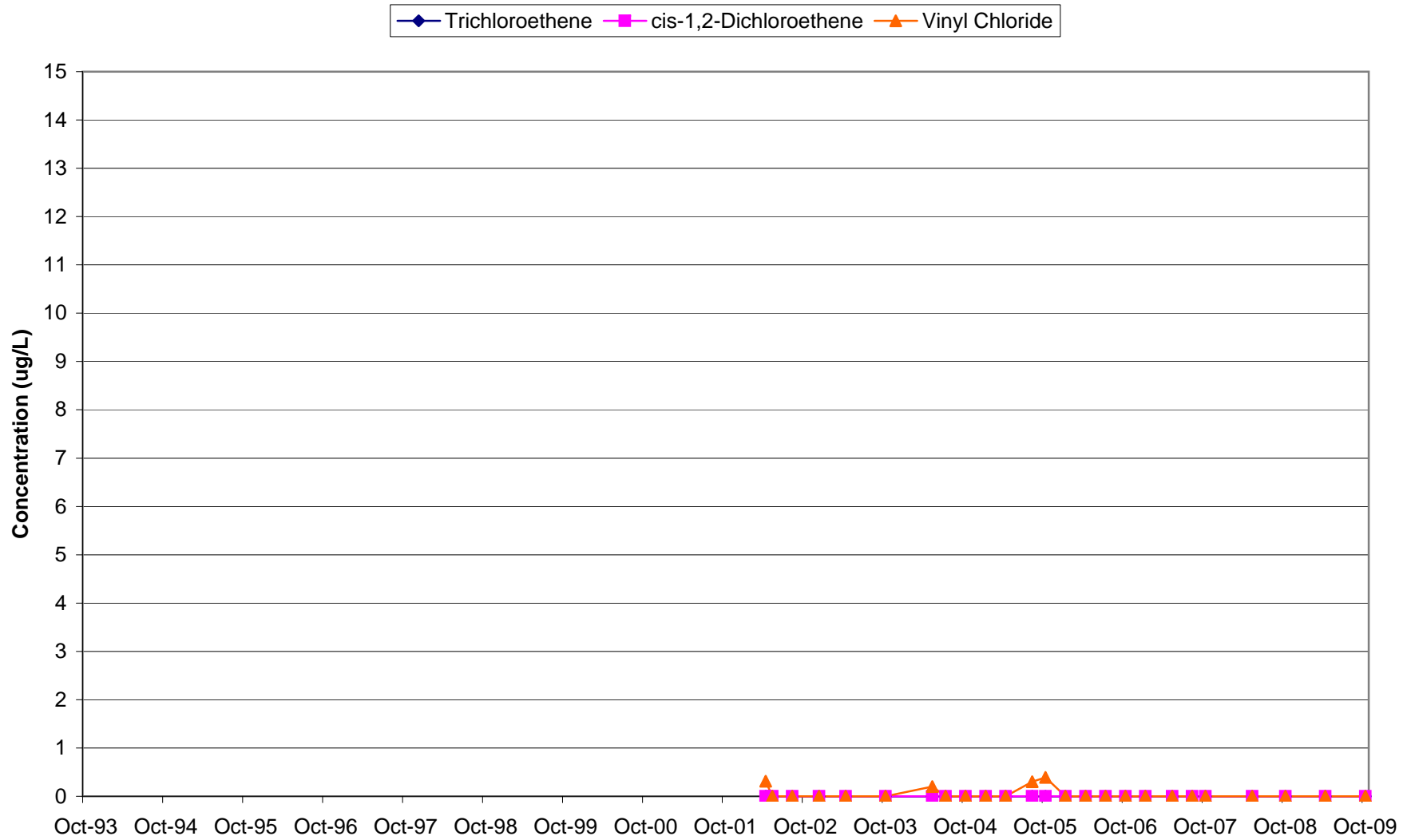


Chart 49: P-111D
Layer 3 Well



**Chart 50: MW-3B
Layer 3 Well**



**Chart 51: P-113B
Layer 3 Well**

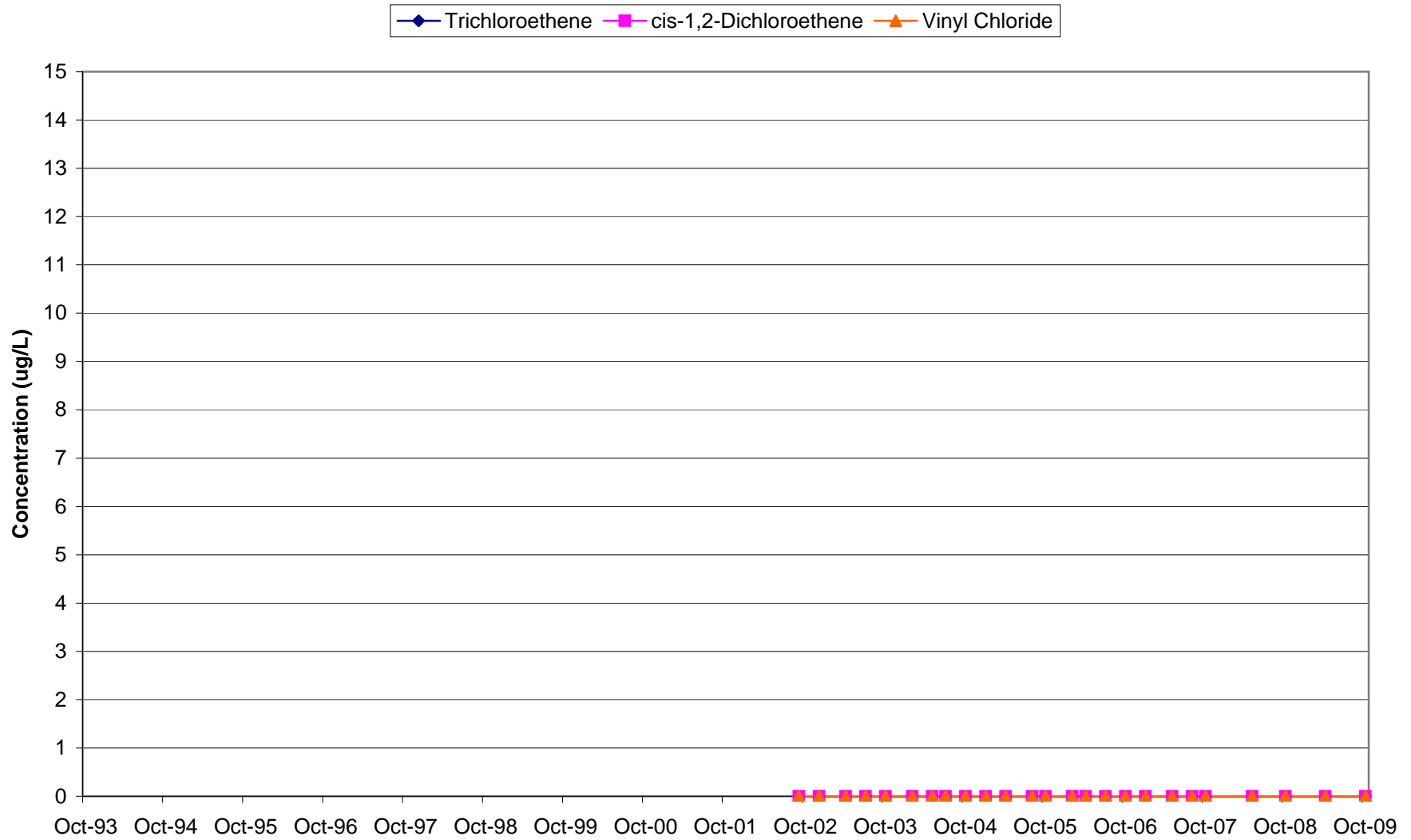


Chart 52: P-114
Layer 3 Well

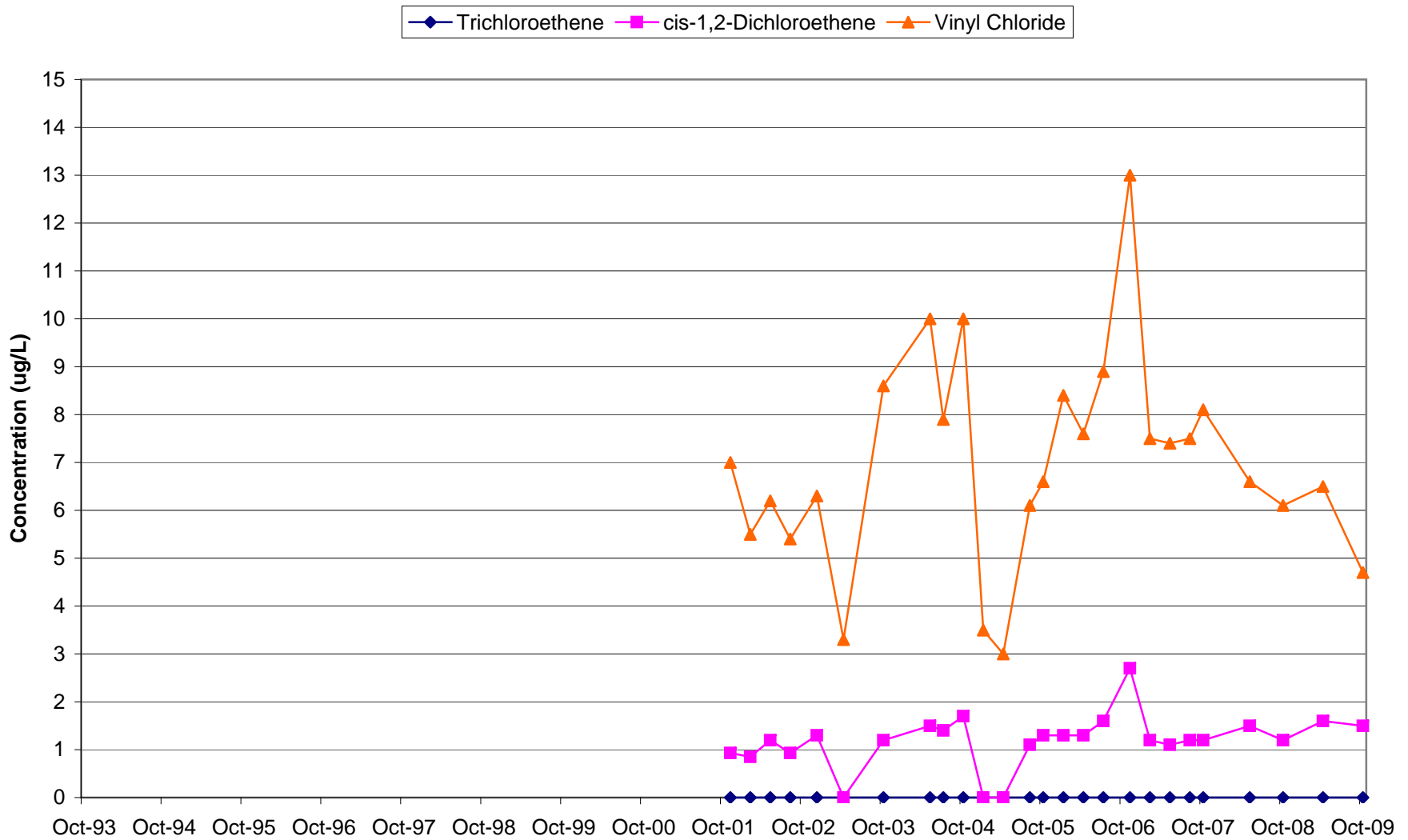
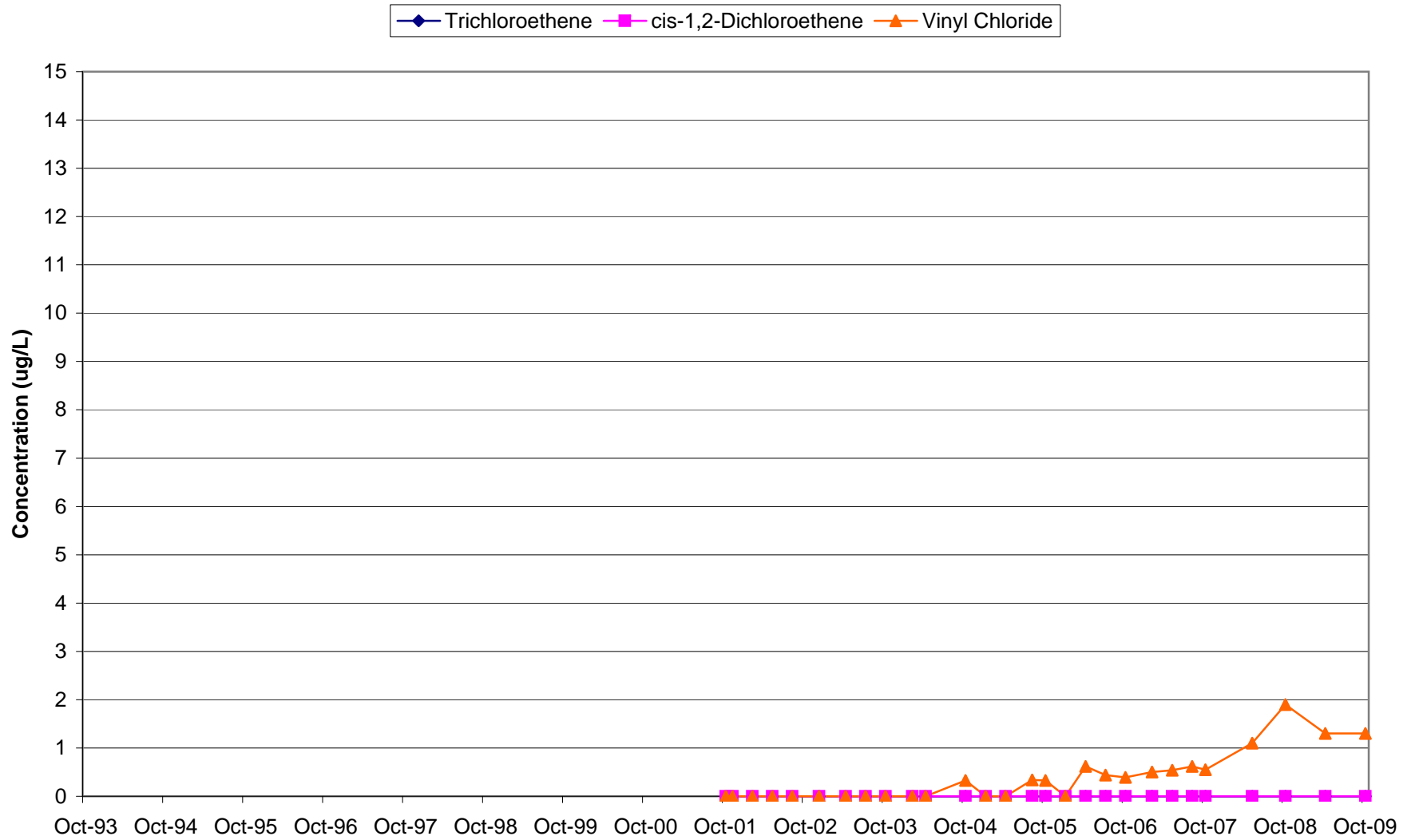


Chart 53: P-115
Layer 3 Well



**Chart 54: P-116
Layer 3 Well**

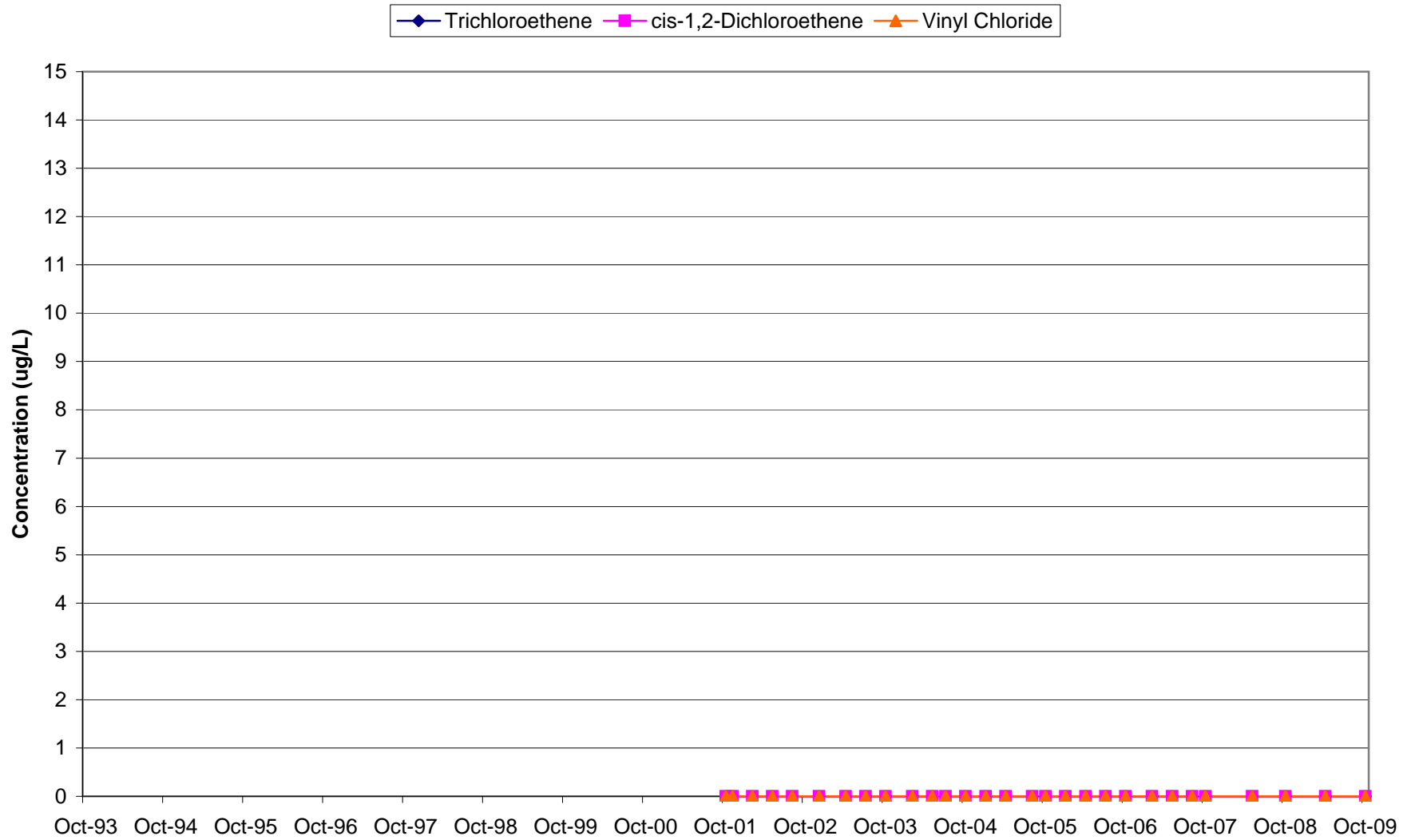


Chart 55: MW-3A
Layer 4 Well

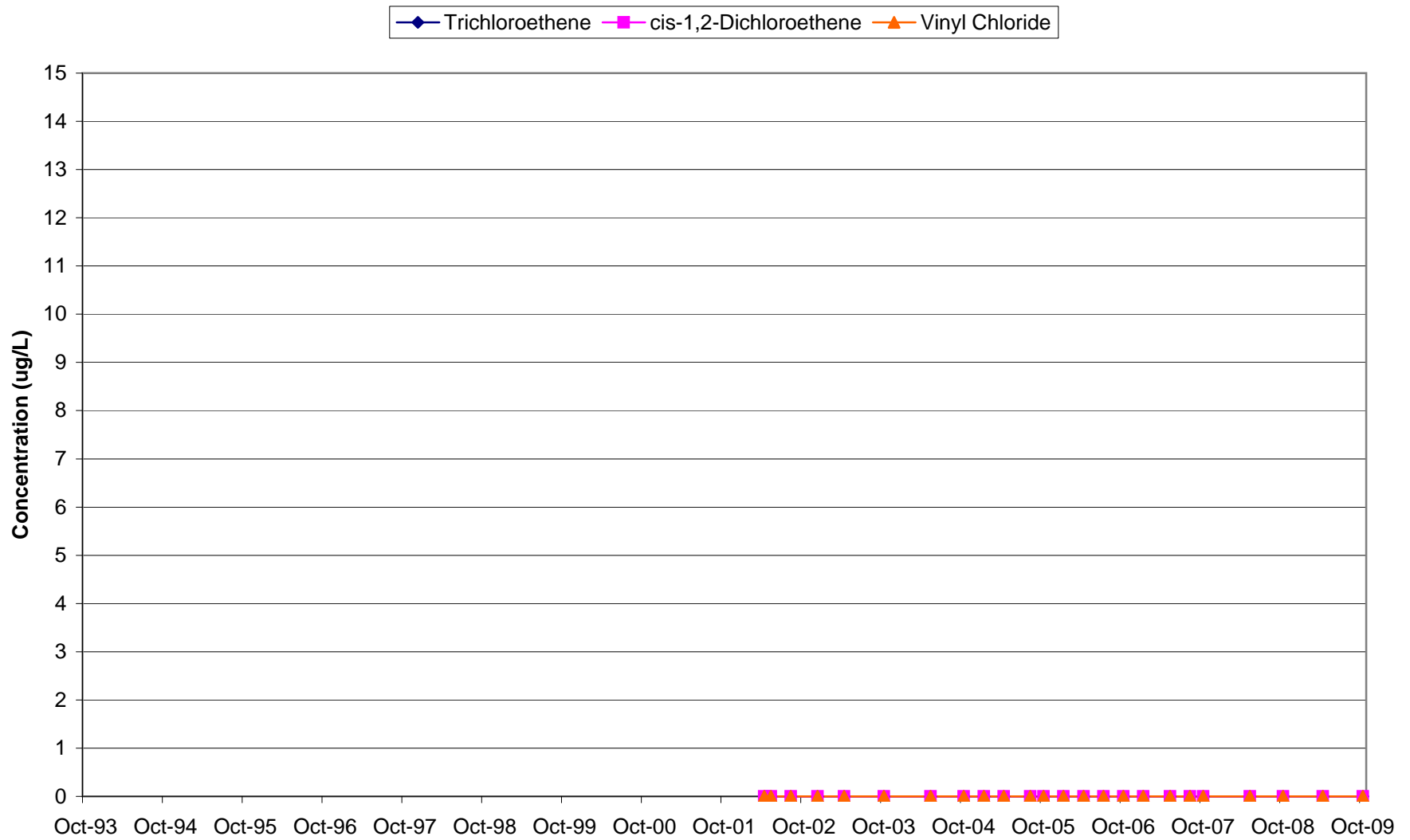


Chart 56: P-107D
Layer 4 Well

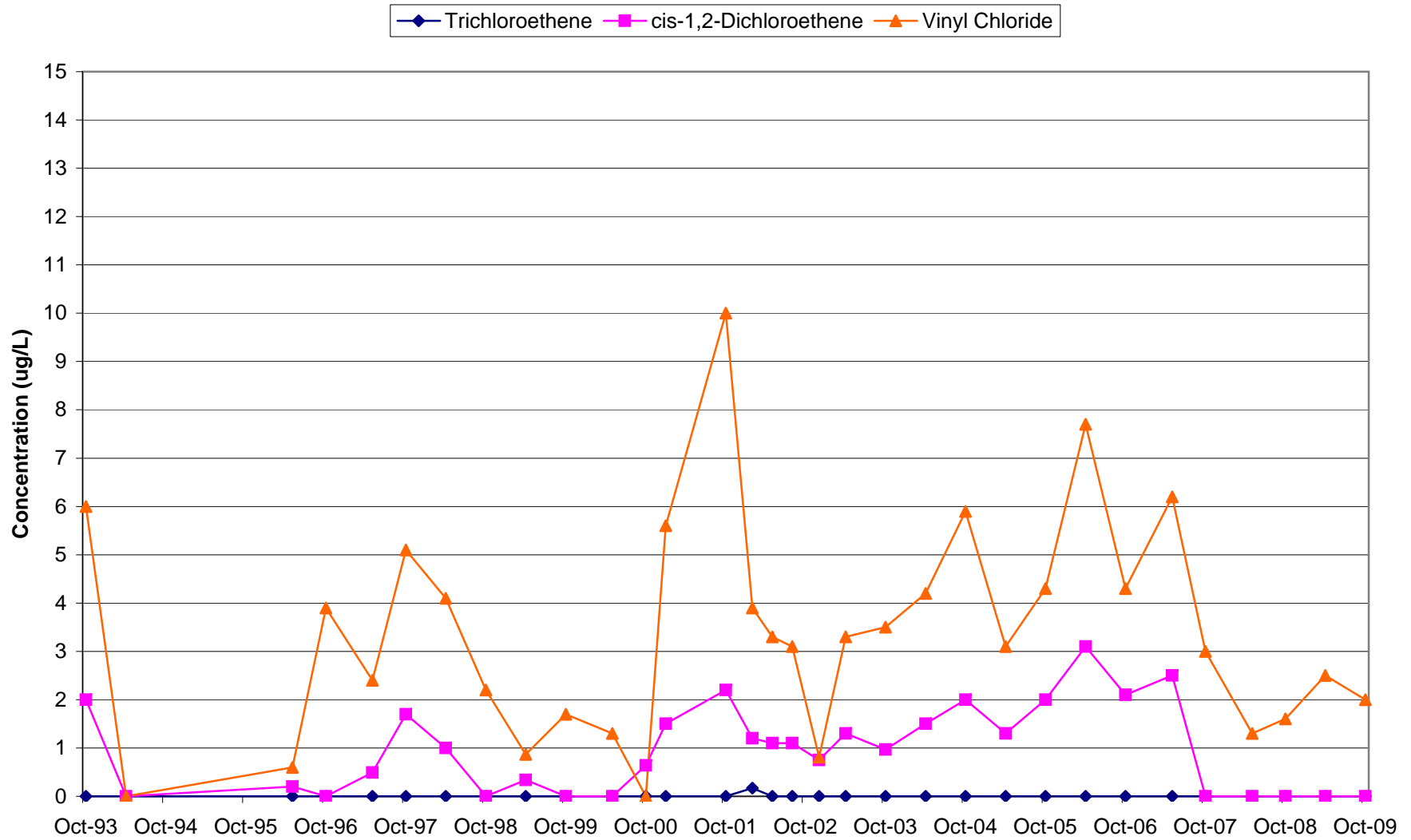
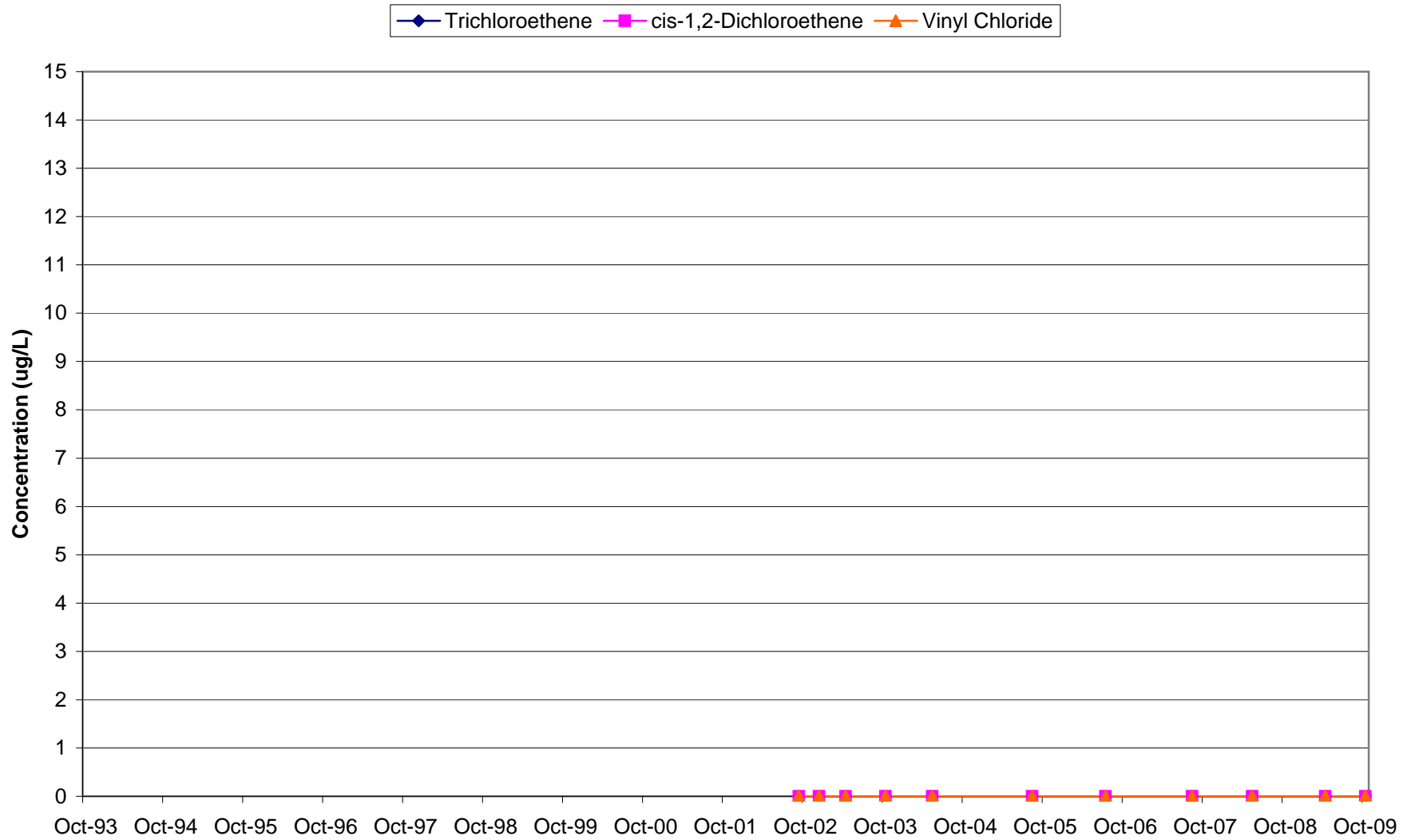


Chart 57: P-113A
Layer 4 Well



TABLES

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

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

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

Well Name	TOC Elevation	Oct-00	May-01	Oct-01	Feb-02	May-02	Aug-02	Oct-02	Dec-02	Apr-03	Oct-03
MW-101	884.80		823.13	824.17	823.18	DRY	DRY	NT	DRY	DRY	821.24
P-101	885.26	822.66	823.06	824.16	823.19	800.47	814.42	NT	818.91	820.46	821.16
MW-102	843.05	823.19		824.38	823.53	818.93	DRY	NT	DRY	820.95	821.57
P-102	842.99		823.39	824.49	823.69	799.84	814.94	NT	819.47	821.08	821.66
MW-103	872.42			821.63	>51.32	819.28	819.34	NT	DRY	DRY	819.61
P-103	872.92	822.60	823.02	823.87	823.00	801.70	814.74	NT	819.01	820.52	821.12
P-103D	873.08										
MW-104	875.15			823.88	>51.28	DRY	DRY	NT	DRY	820.37	820.85
P-104	875.48	822.64	823.10	824.03	823.12	802.51	814.82	NT	819.05	820.50	821.43
MW-106	878.90	822.96	823.34	Dry	823.50	DRY	DRY	NT	DRY	DRY	821.58
P-106	878.91	822.89	823.26	824.25	823.39	800.31	814.52	NT	819.18	820.80	821.49
MW-107	871.78		819.36	820.12	>52.5	816.72	DRY	DRY	DRY	817.73	818.35
P-107	871.38	818.62	819.35	820.12	818.86	809.86	813.29	NT	816.65	817.74	818.39
P-107D	871.98	818.10	819.04	816.61	817.70	811.80	815.35	816.43	816.68	817.26	816.72
MW-108	845.25		818.32	818.62	>27.7	815.44	815.45	NT	815.79	816.20	816.68
P-108	845.61	820.45	820.97	822.08	820.66	811.84	815.19	NT	817.83	818.57	819.26
MW-111	856.46	817.32	818.15	818.74	817.51	813.43	813.59	NT	815.42	816.14	816.71
P-111	856.13	816.83	817.68	818.26	817.04	812.54	812.90	NT	814.90	815.68	816.27
P-111D	855.79					807.70	815.16	816.73	816.22	818.17	817.95
MW-112	874.55	819.21	819.87	820.52	822.87	814.38	814.47	NT	816.75	817.87	818.54
P-113A	833.09							816.09	816.39	816.93	816.20
P-113B	833.10							816.68	816.93	817.25	816.58
P-114	839.35									817.17	816.93
P-115	842.71										
P-116	845.34										
MW-3A	850.77				817.24	810.74	815.18	816.11	815.99	816.63	815.67
MW-3B	851.04				819.32	807.37	815.34	817.07	817.54	818.31	817.92
LC1	876.15		846.30	Dry	Dry	DRY	DRY	NT	DRY	DRY	NM
LC2	866.05	839.28	839.03	838.92	838.97	838.83	838.98	NT	838.75	839.17	NM
LC3	877.34		845.80	Dry	Dry	DRY	DRY	NT	DRY	DRY	NM

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

Well Name	TOC Elevation	Feb-04	Apr-04	Jul-04	Oct-04	Jan-05	Apr-05	Jul-05	Oct-05	Jan-06	Mar-06
MW-101	884.80	NM	822.87	825.76	823.36	822.85	823.27	821.11	DRY	820.81	NM
P-101	885.26	NM	822.86	825.76	823.35	822.84	823.26	821.07	820.23	820.75	NM
MW-102	843.05	NM	823.34	826.08	823.71	823.34	823.66	821.70	820.65	821.33	NM
P-102	842.99	NM	823.42	826.17	823.79	823.38	823.75	821.48	820.72	821.41	NM
MW-103	872.42	NM	821.06	824.54	822.24	820.52	821.60	819.70	819.25	819.24	NM
P-103	872.92	NM	822.77	825.58	823.23	822.78	823.14	821.09	820.26	820.92	NM
P-103D	873.08	820.64	821.89	824.39	822.21	821.89	822.08	820.26	819.23	820.24	NM
MW-104	875.15	NM	822.75	825.49	823.27	822.75	823.16	821.09	820.34	820.65	NM
P-104	875.48	NM	822.82	825.61	823.36	822.82	823.21	821.20	820.40	820.79	NM
MW-106	878.90	NM	823.25	826.07	823.60	823.20	823.61	821.42	DRY	821.24	NM
P-106	878.91	NM	823.17	825.99	823.50	823.10	823.54	821.31	820.50	821.16	NM
MW-107	871.78	NM	819.63	823.41	821.20	819.89	820.18	818.69	817.85	817.81	NM
P-107	871.38	NM	819.71	823.34	821.20	820.91	820.20	818.72	817.84	817.80	NM
P-107D	871.98	NM	818.68	819.78	817.72	817.65	818.77	815.90	814.85	816.33	816.45
MW-108	845.25	NM	817.86	820.27	819.00	818.17	818.41	816.95	816.27	816.31	NM
P-108	845.61	NM	820.52	823.39	821.94	820.84	821.05	819.76	819.13	819.04	NM
MW-111	856.46	NM	818.03	821.40	819.60	817.39	818.69	817.32	816.51	816.31	NM
P-111	856.13	NM	817.59	821.01	819.16	816.92	818.19	816.82	816.03	815.84	NM
P-111D	855.79	NM	819.55	821.82	819.77	819.55	819.55	818.11	817.37	818.40	NM
MW-112	874.55	NM	819.89	823.17	821.14	820.15	820.50	818.82	818.14	818.31	NM
P-113A	833.09	NM	817.91	818.17	817.32	817.28	818.35	815.50	814.36	816.40	816.04
P-113B	833.10	816.61	818.30	820.16	818.25	818.13	818.36	816.74	815.47	816.90	NM
P-114	839.35	NM	818.55	820.44	818.71	818.50	818.76	817.02	816.34	817.28	NM
P-115	842.71	NM	818.61	820.51	818.71	818.55	818.62	817.05	816.05	817.44	NM
P-116	845.34	NM	817.54	819.31	817.80	817.47	817.74	816.45	815.48	816.02	NM
MW-3A	850.77	NM	818.03	819.73	817.00	817.15	816.84	816.05	814.87	817.98	815.81
MW-3B	851.04	NM	819.79	822.01	819.66	819.60	819.45	818.44	817.28	819.15	NM
LC1	876.15	NM	846.45	NM	DRY	DRY	846.39	DRY	NM	NM	NM
LC2	866.05	NM	839.27	NM	838.89	DRY	839.05	838.89	838.91	839.01	NM
LC3	877.34	NM	DRY	NM	DRY	DRY	DRY	DRY	NM	NM	NM

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

Well Name	TOC Elevation	Apr-06	Jul-06	Oct-06	Jan-07	May-07	Aug-07	Oct-07	Jan-08	May-08
MW-101	884.80	821.41	821.29	820.71	821.43	822.37	822.22	822.74	822.47	824.5
P-101	885.26	821.37	821.22	820.69	821.34	822.32	822.18	822.68	822.43	824.49
MW-102	843.05	821.91	821.75	821.15	821.73	822.85	822.55	822.95	822.95	824.9
P-102	842.99	822.06	821.80	821.25	821.82	822.90	822.63	823.01	823.03	824.95
MW-103	872.42	819.36	819.82	818.82	819.47	820.39	820.45	820.78	820.46	822.13
P-103	872.92	821.42	821.33	820.70	821.39	822.31	822.17	822.63	822.86	824.39
P-103D	873.08	820.54	820.43	819.88	820.52	821.56	821.495	822.015	821.935	823.885
MW-104	875.15	821.35	821.16	820.61	821.11	822.17	822.06	822.56	822.25	824.26
P-104	875.48	821.45	821.33	820.76	821.29	822.29	822.27	822.75	822.44	824.45
MW-106	878.90	821.85	821.77	821.10	821.78	822.78	822.51	822.76	822.84	824.77
P-106	878.91	821.72	821.67	820.99	821.62	822.71	822.44	822.7	822.75	824.7
MW-107	871.78	818.03	DRY	817.90	818.29	818.87	818.97	819.12	818.88	820.34
P-107	871.38	818.19	818.59	817.89	818.23	818.88	819.01	819.08	818.91	820.27
P-107D	871.98	816.89	816.83	816.24	817.05	818.27	818.79	819.93	820.32	822.9
MW-108	845.25	816.70	816.88	816.39	816.64	817.39	817.96	817.99	817.5	819.15
P-108	845.61	819.40	819.65	819.41	819.40	820.14	821.45	821.33	820.44	822.15
MW-111	856.46	816.74	817.14	816.58	816.72	817.40	817.44	817.51	NT	818.85
P-111	856.13	816.24	816.74	816.09	816.23	816.92	816.95	817.01	816.85	818.4
P-111D	855.79	818.62	818.54	818.26	818.48	819.84	819.44	819.92	820.14	822.09
MW-112	874.55	818.66	818.88	818.20	818.52	819.24	819.39	819.73	819.41	820.97
P-113A	833.09	816.39	816.54	815.81	817.29	817.78	818.13	819.42	819.91	822.4
P-113B	833.10	817.01	817.57	816.81	816.70	818.11	818.26	819.09	819.35	821.36
P-114	839.35	817.38	817.36	816.86	817.36	818.48	818.14	818.61	819	820.91
P-115	842.71	817.56	817.50	817.12	817.62	818.72	818.375	818.815	819.185	821.095
P-116	845.34	816.48	816.34	816.00	816.38	817.47	816.905	817.475	817.755	819.425
MW-3A	850.77	816.29	817.51	816.34	817.49	817.68	819.68	820.7	821.15	823.53
MW-3B	851.04	818.86	819.18	818.27	818.88	819.62	820.24	820.88	821.08	823.09
LC1	876.15	843.40	847.60	847.66	NM	846.41	NM	876.15	NM	845.89
LC2	866.05	839.47	839.52	838.45	NM	838.63	NM	866.05	NM	837.81
LC3	877.34	845.89	845.87	844.68	NM	846.12	NM	877.34	NM	845.28

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

Well Name	TOC Elevation	Jul-08	Sep-08	Oct-08	Jan-09	Apr-09	Jul-09	Oct-09
MW-101	884.80	825.1	822.61	822.63	822.93	824.08	823.61	822.68
P-101	885.26	825.07	822.56	822.59	822.91	824.05	823.6	822.63
MW-102	843.05	825.36	822.77	822.83	823.4	824.49	823.85	822.99
P-102	842.99	825.34	822.74	822.81	823.5	824.57	824.11	823.05
MW-103	872.42	823.95	822.05	821.92	821.19	821.99	821.72	820.83
P-103	872.92	825.02	822.57	822.66	822.97	824.06	823.59	822.62
P-103D	873.08	824.425	822.145	822.265	822.475	823.545	822.905	822.055
MW-104	875.15	824.9	822.54	822.55	822.82	823.92	823.47	822.53
P-104	875.48	825.12	822.78	822.74	822.98	824.06	823.64	822.68
MW-106	878.90	824.98	822.7	822.75	823.31	824.41	823.94	822.96
P-106	878.91	825.25	822.63	822.64	823.25	824.37	823.9	822.85
MW-107	871.78	823.81	821.16	821.04	819.71	820.34	820.25	819.37
P-107	871.38	823.72	821.1	821.09	819.4	820.34	820.26	819.34
P-107D	871.98	823.25	820.9	820.87	820.81	822.24	820.61	819.98
MW-108	845.25	820.42	819.28	819.23	818.16	818.87	818.58	817.93
P-108	845.61	823.57	822.14	822.05	820.87	821.67	821.73	821.06
MW-111	856.46	821.08	819.77	819.75	818.21	818.88	818.71	817.87
P-111	856.13	820.72	819.35	819.23	817.77	818.41	818.3	817.43
P-111D	855.79	822.61	820.74	820.79	820.65	821.71	820.85	820.15
MW-112	874.55	822.76	821.08	820.99	820.08	820.83	820.62	819.76
P-113A	833.09	822.8	820.45	820.53	820.34	821.81	820.1	819.4
P-113B	833.10	821.79	820.09	820.1	819.84	820.96	819.81	819.24
P-114	839.35	821.45	819.79	819.83	819.5	820.51	819.6	818.99
P-115	842.71	821.635	819.965	819.975	819.655	820.725	819.805	819.145
P-116	845.34	820.385	816.805	818.705	818.375	819.155	818.465	817.755
MW-3A	850.77	823.87	821.57	821.62	821.62	822.96	821.46	820.87
MW-3B	851.04	823.53	821.48	821.5	821.51	822.66	821.74	821.06
LC1	876.15	NM	NM	NM	NM	NM	NM	NM
LC2	866.05	NM	NM	NM	NM	NM	NM	NM
LC3	877.34	NM	NM	NM	NM	NM	NM	NM

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

Sampling Point	Collection Date	Parameters																																		
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes				
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000				
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000				
MW-3A	04/04/2002	NR			NA																															
	05/22/2002	NR			NA																															
	08/20/02	NR																																		
	12/05/02	NR																																		
	04/22/03																																			
	10/22/03																																			
	05/11/04																																			
	10/14/04																																			
	01/27/05																																			
	04/26/2005																																			
	08/02/05																																			
	10/26/05																																			
	01/31/2006																																			
	04/24/06																																			
	07/27/06																																			
	10/31/06																																			
	01/31/07																																			
	5/1/2007																																			
	8/8/2007																																			
10/19/2007																																				
5/6/2008																																				
10/1/2008																																				
4/7/2009																																				
10/28/2009																																				

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

Sampling Point	Collection Date	Parameters																																			
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes					
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000					
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000					
MW-3B	04/04/2002	NR			NA																											0.31					
	05/22/2002	NR			NA																			NA													
	8/20/2002	NR																						NA													
	12/5/2002	NR																																			
	4/22/2003																																				
	10/22/2003																																				
	5/11/2004																																	0.2 Q			
	07/22/2004																																				
	10/14/2004																																				
	1/27/2005																																				
	4/26/2005																																				
	8/2/2005																																		0.30 Q		
	10/26/2005																																		0.39 Q		
	01/31/2006																																				
	4/24/2006																																				
	7/27/2006																																			0.45 Q	
	10/31/2006																																				
	1/31/2007																																				
	5/1/2007																																				
	8/8/2007																																				
10/19/2007																																					
5/6/2008																																					
10/1/2008																																					
4/7/2009																																					
10/28/2009																																					

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

Sampling Point	Collection Date	Parameters																																		
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes				
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000					
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000					
MW-101	10/1/1993	NR																																		
	04/1/1994	NR																																		
	05/01/1996	NR																																		
	10/01/1996	NR																																		
	05/01/1997	NR																																		
	10/01/1997	NR																																		
	04/98*	NR																																		
	10/01/1998	NR																																		
	04/01/1999	NR																																		
	10/01/1999	NR																																		
	05/01/2000	NR																																		
	10/01/2000	NR																																		
	05/01/2002	NR																																		
	10/11/2001	NR																																		
	02/05/2002	NR				NA							0.19																							
	05/21/02 *		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/02 *		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/02 *		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/03 *		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/23/2003																																			
	4/28/2004																																			
	10/13/2004	11																																		
	4/27/2005																																			
4/28/2006	18																																			
11/1/2006*		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2/1/2007																																				
5/1/2007	2.4																																			
5/6/2008																																				
4/8/2009																																				
10/29/2009																																				

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

Sampling Point	Collection Date	Parameters																																		
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes				
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000				
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000				
P-101	10/01/1993	NR																																		
	04/01/94	NR																							0.5J											
	020/5/02	NR			NA																			NA												
	05/22/2002	NR			NA																			NA												
	10/13/2004																																			
	4/27/2005																																			
	10/25/2005																																			
	4/28/2006																																			
	11/1/2006																																			
	5/1/2007																																			
	5/6/2008																																			
4/8/2009																																				
11/4/2009																																				
MW-102	10/26/1993	NR																																		
	04/11/1994	NR																																		
	05/08/1996	NR																																		
	10/30/1996	NR									0.99 J												0.30 J													
	05/12/1997	NR																																		
	10/26/1997	NR																																		
	04/13/1998	NR														0.46																				
	10/11/2001	NR																																		
	05/21/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/19/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/05/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/23/2004																																			
	10/14/2004																																			
	4/27/2005																																			
	10/25/2005																																			
	4/25/2006																																			
	11/1/2006																																			
5/2/2007																																				
4/30/2008																																				
10/2/2008																																				
4/8/2009																																				

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

Sampling Point	Collection Date	Parameters																																	
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes			
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000			
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000			
P-102	10/26/1993	NR																																	
	04/11/1994	NR																																	
	10/11/2001	NR																																	
	05/21/2002	NR			NA																			NA								0.33Q			
	08/20/2002	NR																						NA								0.62			
	12/04/2002	NR																														0.68			
	04/21/2003																																0.83		
	10/22/2003																																0.96		
	04/27/2004																																2.1		
	10/14/2004										0.5 Q																						0.32		
	1/27/2005																																		
	4/27/2005																																		
	8/3/2005																																		
	8/3/2005 dup																																		
	10/25/2005																																		
	2/1/2006																																		
	4/27/2006																																		
	4/27/2006 dup																																		
	7/27/2006											0.66 Q																							
	11/1/2006																																		
2/15/2007																																			
5/2/2007																																			
8/14/2007																																			
10/16/2007		2.9 Q																																	
5/6/2008																																			
10/2/2008																																			
4/8/2009																																			
11/4/2009																																			
11/4/2009 Dup																																			

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

Sampling Point	Collection Date	Parameters																				Vinyl Chloride	Total Xylenes										
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride			MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000		
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000		
P-103	10/27/1993	NR																															
	04/12/1994	NR																															
	05/9/1996	NR													0.1J									0.1J						0.1J			
	10/31/1996	NR								0.84 J																							
	05/13/1997	NR																															
	10/27/1997	NR																															
	04/13/1998	NR																															
	2/4/2002	NR			NA																				NA								
	05/21/2002	NR			NA											[0.54]									NA								
	10/13/2004										0.52 Q																				1.7		
	1/26/2005																																
	1/26/2005 dup																																
	4/26/2005																															2.4	
	8/3/2005																															3.2	
	10/26/2005																															3.2	
	02/01/2006																															3.6	
	4/25/2006																															2.9	
	7/28/2006										0.49 Q																					1.6	
	11/1/2006																															1.4	
	2/1/2007																															1.5	
5/2/2007																															1.6		
8/14/2007																															1.4		
10/18/2007																															1.2		
5/5/2008																															0.74		
5/5/2008 Dup																															0.81		
10/2/2008																																	
10/2/2008 Dup																																	
4/7/2009																																	
10/28/2009																																	

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

Sampling Point	Collection Date	Parameters																															
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes	
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000		
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000		
P-103D	02/4/2004				NA																										1.1		
	05/11/2004																														1.5		
	05/11/04 dup																														1.5		
	07/23/2004																														1.3		
	07/23/04 dup																														1.5		
	10/13/2004										0.43 Q																						
	04/26/2005																															3.0	
	10/26/2005																															2.7	
	10/26/2005 dup																															2.8	
	4/25/2006																															2.6	
	11/1/2006																															1.9	
	5/2/2007																															1.4	
	10/18/2007																															1.2	
	5/5/2008																															0.69	
	5/5/2008 Dup																															0.66	
	10/2/2008																															1.10	
10/2/2008 Dup																															1.50		
4/7/2009																																	
4/7/2009 Dup																																	
10/28/2009										1.1																							

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

Sampling Point	Collection Date	Parameters																															
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes	
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000		
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000		
MW-104	10/27/1993	NR	<u>2</u>								2														31								
	4/19/1994	NR	<u>1</u>								1					<u>10</u>											<u>0.8J</u>				6.0		
	05/9/1996	NR	6					5	1							6	0.3 J		0.1J						0.2 J		<u>0.5J</u>				10		
	10/30/1996	NR	<u>0.64 J</u>					1.1	0.34 J							3.6	0.22 J		0.80 J								0.31 J				4.3	0.77 J	
	05/12/1997	NR	<u>4.8</u>					4.5	1.5							1.1							0.32								4.5		
	10/27/1997	NR	<u>0.63</u>					1.3								<u>7.3</u>																18	
	04/13/1998	NR	<u>1.2</u>													74	0.67								0.46		<u>3.5</u>					17	
	10/13/1998	NR	<u>1.7</u>													3.3																15	4.1
	04/07/1999	NR	<u>3.2</u>						1.4							6.6												<u>0.71</u>				6.1	
	10/27/1999	NR	<u>3.5</u>						5.4							4.5																2.8	
	05/2/2000	NR	<u>3</u>						5.7							0.7									0.13							1.1	
	10/30/2000	NR	<u>2</u>						6.2							2.6									0.12		0.33					29	
	05/1/2001	NR	<u>2.5</u>						5.6							2	0.47					0.3	0.51L		0.81	0.13	<u>0.66</u>					8.6	
	10/11/2001	NR	<u>3.1</u>						9.5							2.3							0.39L		0.1				0.1			2.2	
	02/5/2002	NR	<u>2.7</u>			NA	0.16		8				2	0.19		5.1					0.2				NA	0.17		<u>0.73</u>				13	
	05/21/02*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/19/02*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/05/02*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2003*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/22/2003		<u>1.8</u>			6.9Q			3.1								4.6															6.5	
	10/23/2003	3.2	<u>4</u>						7.8							1.8																8.6	
	04/28/2004		<u>2.4</u>						6							2.2 Q																8.7	
	10/13/2004		<u>2.5</u>						6.5							2.2 Q																20	
	4/27/2005		<u>1.7</u>						5.4							2.1 Q																	0.64
	10/25/2005		<u>1.4</u>						6.9							2.5 Q																13	
	4/25/2006		<u>1.4</u>			4.6 Q			4.9							2.2 Q																1.1	
	11/2/2006		<u>1.2 Q</u>						4.8							1.7 Q																	
11/2/2006 dup		<u>1.3 Q</u>						5																									
5/2/2007		<u>0.8Q</u>						4							2.0Q																		
10/18/2007		<u>0.75 Q</u>						6							2.0 Q																		
5/6/2008								3.3							1.8																		
10/1/2008								3.7							1.9																		
4/7/2009								3.5							2.3																		
11/4/2009								3.9							1.9																		

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

Sampling Point	Collection Date	Parameters																																		
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes				
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000					
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000					
P-104	10/27/1994	NR																																		
	04/19/1994	NR																																		
	05/09/1996	NR																																		
	10/30/1996	NR								0.20 J																										
	05/12/1997	NR																																		
	10/27/1997	NR																																		
	04/13/1998	NR																																		
	10/11/2001	NR																																		
	02/5/2002	NR	0.18		NA					0.85																										
	5/21/2002	NR			NA																															
	08/20/2002	NR																																		
	10/13/2004										0.45 Q																									
	10/13/04 Dup																																			
	8/3/2005																																			
8/3/05 Dup																																				
7/28/2006																																				
8/14/2007																																				
5/5/2008																																				
4/7/2009																																				
MW-106	10/1/1993	NR																																		
	04/01/1994	NR																																		
	02/04/02	NR			NA																			NA	0.25											
	05/21/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	08/19/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	120/5/02 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/21/03 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/23/2004																																			
	4/27/2005																																			
	4/27/05 Dup																																			
	7/28/06*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/31/2006*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/15/2007																																			
	8/14/2007																																			
4/30/2008																																				
4/8/2009																																				

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

Sampling Point	Collection Date	Parameters																																			
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes					
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000						
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000						
P-106	10/01/1993	NR																																			
	04/01/1994	NR																																			
	05/01/1996	NR														0.2 J																					
	10/01/1996	NR									0.62 J																										
	05/01/1997	NR																																			
	10/01/1997	NR																																			
	04/01/1998	NR																																			
	10/01/1998	NR																																			
	04/01/1999	NR																																			
	10/1/1999	NR																																			
	05/01/2000	NR																																			
	10/01/2000	NR																																			
	05/01/2001	NR																																			
	10/11/2001	NR																																			
	2/5/2002	NR						NA																													
	02/05/02 Dup	NR						NA																													
	05/22/2002	NR						NA																													
	05/22/02Dup	NR						NA																													
	08/20/2002	NR																																			
	12/4/2002	NR																																			
	04/22/2003																																				
	10/21/2003																																				
	10/21/03 Dup																																				
	4/27/2004																																				
	10/13/2004																																				
	4/27/2005																																				
	10/25/2005																																				
	4/28/2006																																				
11/1/2006																																					
5/1/2007																																					
10/22/2007																																					
4/30/2008																																					
10/1/2008																																					
4/8/2009																																					
4/8/2009 Dup																																					
11/4/2009																																					

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

Sampling Point	Collection Date	Parameters																																	
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes			
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000				
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000				
MW-107	10/27/1993	NR																																	
	4/12/1994	NR																																	
	5/9/1996	NR																																	
	10/21/1996	NR																																	
	5/13/1997	NR																																	
	10/27/1997	NR																																	
	4/14/1998	NR																																	
	10/13/98*	NR																																	
	4/6/1999	NR																																	
	10/27/1999	NR																																	
	5/2/2000	NR																																	
	10/31/2000	NR																																	
	5/31/2001	NR																																	
	10/11/2001	NR																																	
	2/4/2002	NR				NA																			NA										
	05/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	8/19/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/5/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	4/21/2003																																		
	10/21/2003																																		
	4/27/2004																																		
	10/13/2004																																		
	4/27/2005																																		
	10/27/2005																																		
	4/25/2006																																		
	10/31/2006																																		
5/1/2007																																			
10/17/2007																																			
5/5/2008																																			
10/1/2008																																			
4/7/2009																																			
10/28/2009																																			

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

Sampling Point	Collection Date	Parameters																														
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000	
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000	
P-107D	10/27/1993	NR														2B															6	
	4/13/1994	NR																														
	5/9/1996	NR	0.1J							0.3J						0.2J								0.3J							0.6J	
	10/23/1996	NR								0.44 J																					3.9	
	5/14/1997	NR														0.49															2.4	
	10/27/1997	NR														1.7															5.1	
	4/14/1998	NR														1															4.1	
	10/14/1998	NR																													2.2	
	4/6/1999	NR															0.34															0.87
	10/27/1999	NR																														1.7
	5/2/2000	NR																														1.3
	10/31/2000	NR															0.64															
	01/05/2001	NR		0.33													1.5				0.44L			0.72B								5.6
	10/11/2001	NR															2.2															10
	2/4/2002	NR				NA											1.2							NA			0.17					3.9
	02/04/02 Dup	NR															1.2															3.9
	5/21/2002	NR				NA											1.1							NA								3.3
	8/20/2002	NR															1.1							NA								3.1
	12/4/2002	NR															0.75															0.81
	4/21/2003																1.3 Q															3.3
	10/21/2003																0.97															3.5
	4/27/2004																1.5 Q															4.2
	10/13/2004								1.2 Q		0.93						2.0 Q															5.9
	4/27/2005																1.3 Q															3.1
	4/27/05 Dup																2.5															6.2
	10/27/2005																2.0 Q															4.3
	4/25/2006																2.3 Q															7.7
	10/31/2006																2.0 Q															4.3
5/1/2007																1.6Q															6.2	
5/1/2007 Dup																1.6Q															6.7	
10/19/2007																															3	
5/5/2008																															1.3	
10/1/2008																															1.6	
4/7/2009																															2.5	
10/28/2009																															2	

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

Sampling Point	Collection Date	Parameters																															
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes	
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000		
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000		
MW-108	10/18/1993	NR																							11								
	4/13/1994	NR																							2								
	5/8/1996	NR													0.2 J										0.2 J								
	10/23/1996	NR									0.85 J																						
	5/12/1997	NR																															
	10/27/1997	NR																															
	4/14/1998	NR																															
	10/11/2001	NR																															
	05/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	8/19/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/5/2002	NR																															
	10/14/2004															1.2 Q												1.3 Q				0.67	
	4/27/2005															1.0												0.7				0.3	
	8/3/2005																											0.70 Q					
	10/25/2005																																
	02/01/2006																																
	4/28/2006																																
	7/27/2006											0.36 Q																					
	11/2/2006																																
	2/1/2007																																
	5/2/2007																																
	8/14/2007																																
	10/16/2007																																
5/6/2008																																	
10/2/2008																																	
4/8/2009																																	
11/4/2009																																	
11/4/2009 Dup																																	

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

Sampling Point	Collection Date	Parameters																																	
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes			
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000				
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000				
P-108	10/25/1993	NR																																	
	10/25/93 Dup	NR																																	
	4/13/1994	NR																																	
	4/13/94 Dup	NR																																	
	10/11/2001	NR																			0.32L														
	2/5/2002	NR			NA																			NA											
	5/21/2002	NR			NA																			NA											
	10/14/2004									0.45 Q																									
	1/28/2005																																		
	10/25/2005																																		
7/27/2006									0.75 Q																										
8/14/2007											2.7 Q																								
5/6/2008																																			
4/8/2009																																			
MW-111	4/19/1994	NR																																	
	10/11/2001	NR																			0.30L														
	05/21/2002*	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	8/19/2002	NR																						NA											
	12/5/2002	NR																																	
	10/13/2004																																		
	10/26/2005																																		
	4/24/2006																																		
	8/8/2007																																		
	5/5/2008																																		
4/7/2009																																			
10/28/2009																																			

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

Sampling Point	Collection Date	Parameters																														
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000	
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000	
P-111	4/19/1994	NR																						2								
	10/11/2001	NR																														
	2/5/2002	NR			NA																			NA								
	5/22/2002	NR			NA																			NA								
	8/19/2002	NR																						NA								
	08/19/02 Dup	NR																						NA								
	12/5/2002	NR																														
	12/05/02 Dup	NR																														
	4/22/2003																															
	10/22/2003																															
	4/28/2004																															
	8/3/2005																															
	7/27/2006																															
	8/8/2007																															
	5/5/2008																															
	4/7/2009																															
10/28/2009																																
P-111D	4/4/2002	NR													0.6									0.3						13		
	5/22/2002	NR			NA										0.59 Q								NA							15		
	8/19/2002	NR													0.37 Q								NA							12		
	12/5/2002	NR													0.42 Q								NA							11		
	4/23/2003																													12		
	10/23/2003																													9.1		
	5/11/2004								1.4																					15		
	07/23/2004																													14		
	10/13/2004								1.9 Q															1.6 Q						11		
	1/27/2005																													8.8		
	4/26/2005								3.7							0.87 Q														13		
	4/26/05 Dup								3.5																					13		
	8/3/2005																													10		
	10/26/2005								3.1 Q							0.96 Q														10		
	10/26/2005 dup								2.7 Q							0.93 Q														10		
	02/01/2006								4.2							0.89 Q														11		
	4/24/2006								2.8 Q							1.3 Q														11		
	7/27/2006										0.30 Q					1.2 Q														10		
	10/31/2006								1.4 Q							1.3 Q														8.5		
	1/31/2007								3.0Q							1.4Q														8.2		
	5/1/2007								3.1Q							1.3Q														8.2		
	8/8/2007								2.9 Q							1.5 Q														8.5		
	10/17/2007								2.7 Q							1.5 Q														8		
	5/5/2008															1.5														4.7		
10/2/2008								1.8							1.5														5.7			
4/7/2009								1.4							1.7														5.5			
10/28/2009								1.8							1.5														5			

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

Sampling Point	Collection Date	Parameters																													
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000
MW-112	11/27/1996	NR	0.6J					2J								59	1J											3J			15
	11/27/96 Dup	NR	0.7J					2J								58	1J											4J			16
	5/12/1997	NR	0.59					0.27								5.4															2.2
	10/26/1997	NR	0.5					0.29								1.3															
	4/13/1998	NR	0.69						1.4							57	1.3											1.9			12
	10/13/1998	NR	0.76													80												1.2			25
	4/6/1999	NR	0.72						1.4							40	0.56											1.7			7.9
	10/27/1999	NR														7.6												1			
	5/2/2000	NR	0.46													3.4												0.39			
	10/30/2000	NR						0.37								5.6												0.37			
	5/9/2001	NR	0.42					0.42								3.5															0.98
	10/11/2001	NR	0.36					0.39	0.53							27												0.83			3.7
	2/4/2002	NR	0.23		NA			0.48								0.49									NA						
	05/21/2002*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/19/2002 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/4/2002																150											2.7 Q			56
	4/22/2003		1.2 Q						7.4 &							220	4.5 Q											5.9			45
	10/22/2003	2.5	0.88					5.9								60	1.4											1.6			51
	4/28/2004		0.53 Q					0.45	4							18												1.1 Q			9.9
	4/28/04 dup	6.5	0.61 Q					0.48	4.7							22											1.1 Q			9.3	
	07/23/2004	110	1.1						23							140	2.6	0.58						1			7.4			31	
	10/13/2004		1.0 Q					0.42	14							110	2.4 Q											2.9			25
	10/13/04 Dup		0.87 Q						15	0.56 Q						94	2.1 Q							0.60				2.9			29
	1/26/2005		0.76 Q						20							85	2.3 Q														27
	4/26/2005		0.6 Q						13							64	1.2 Q														17
	8/3/2005							0.48								4.6															1.5
	10/25/2005															2.5 Q															1.4
	02/01/2006		0.41 Q					0.45	3.2 Q							11												0.76 Q			4.9
	4/25/2006							0.48	0.97							5.4															2.8
	7/27/2006							0.43		0.24 Q						2.9															1.7
	7/27/2006 dup									0.52 Q																					1.5
	11/2/2006															2.3 Q															1.7
2/1/2007							0.46Q	1.4Q							3.8															2.5	
5/2/2007							0.53Q	1.3Q							6.1															2.6	
8/14/2007							0.51 Q								4.4															1.8	
8/14/2007 dup							0.51 Q								4.9															1.6	
10/18/2007							0.49 Q								4															1.2	
5/5/2008															33.3															1.3	
10/2/2008															13.3												1.8				
4/7/2009															5.1																
11/4/2009																															

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

Sampling Point	Collection Date	Parameters																																	
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes			
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000			
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000			
P-113A	9/12/2002	NR							0.37Q																1.0Q										
	12/3/2002	NR																																	
	4/23/2003																							2.2											
	10/22/2003																																		
	5/11/2004																																		
	8/2/2005																																		
	7/27/2006									0.84																									
	8/8/2007																																		
	5/6/2008																																		
4/6/2009																																			
10/29/2009																																			
P-113B	09/11/2002 ³	NR							L									0.41Q						6.6								2.6			
	12/3/2002	NR																																	
	4/23/2003																																		
	7/30/2003																																		
	10/22/2003																																		
	2/4/2004																																		
	5/11/2004																																		
	07/22/2004																																		
	10/14/2004									0.49 Q																									
	1/27/2005																																		
	4/27/2005																																		
	8/2/2005																																		
	10/26/2005									0.42 Q																									
	02/01/2006																																		
	4/24/2006																																		
	7/27/2006									0.49 Q																									
	10/31/2006																																		
	1/31/2007																																		
	5/1/2007																																		
	8/8/2007																																		
	10/19/2007																																		
	5/6/2008																																		
10/1/2008																																			
4/6/2009																																			
4/6/2009 Dup																																			
10/29/2009																																			

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

Sampling Point	Collection Date	Parameters																														
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000	
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000	
P-114 (former Ehster well)	11/19/2001	NR														0.93															7	
	2/5/2002	NR														0.85															5.5	
	5/22/2002	NR														1.2															6.2	
	8/21/2002	NR														0.93															5.4	
	12/3/2002	NR														1.3								0.40Q							6.3	
	4/23/2003																														3.3	
	10/23/2003															1.2															8.6	
	10/23/03 Dup															1.4															9.2	
	5/11/2004															1.5 Q															10	
	07/22/2004															1.4 Q																7.9
	10/13/2004										0.39 Q					1.7 Q																10
	1/27/2005																															3.5
	4/26/2005																															3.0
	8/2/2005																1.1 Q															6.1
	10/26/2005										0.84					1.3 Q																6.6
	10/26/2005 dup										0.49					1.4 Q																6.9
	01/31/2006															1.3 Q																8.4
	4/24/2006															1.3 Q																7.6
	4/24/2006 dup															1.3 Q																7.9
	7/27/2006										0.48 Q					1.6 Q																8.9
	7/27/2006 dup										0.38 Q					1.6 Q																8.7
	11/2/2006															2.7 Q																13
	11/02/2006 dup															2.7 Q																13
	2/1/2007															1.2Q						0.46Q										7.5
	2/1/2007 dup															1.4Q																8.5
	5/1/2007															1.1Q																7.4
	5/1/2007 dup															1.2Q																7.8
8/8/2007															1.1 Q																6.7	
8/8/2007 dup															1.2 Q																7.5	
10/22/2007															0.95 Q																7.8	
10/22/2007 Dup															1.2 Q																8.1	
5/6/2008															1.5																6.6	
10/2/2008															1.2																6.1	
4/6/2009															1.6																6.5	
10/29/2009										1.5					1.5																4.7	

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

Sampling Point	Collection Date	Parameters																							Vinyl Chloride	Total Xylenes								
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran			Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene		
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96	0.02	1000			
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480	0.2	10000			
P-115 (former Wiese well)	10/9/2001	NR																																
	10/09/01 Dup	NR																																
	11/19/2001	NR																																
	2/5/2002	NR																																
	5/22/2002	NR																																
	8/19/2002	NR									0.20Q																							
	12/3/2002	NR																																
	4/22/2003																																	
	7/30/2003																																	
	10/22/2003																																	
	2/4/2004																																	
	4/27/2004																																	
	10/14/2004																															0.33 Q		
	1/27/2005																																	
	4/26/2005																																0.34 Q	
	8/2/2005																																0.33 Q	
	10/26/2005										0.24 Q																						0.33 Q	
	1/31/2006																																	
	4/24/2006																																0.62	
	7/27/2006																																0.44 Q	
10/31/2006																																0.39Q		
2/1/2007																																0.50Q		
5/1/2007																																0.54Q		
8/14/2007																																0.62		
10/22/2007																																0.49 Q		
10/22/2007																																0.55 Q		
5/6/2008																																1.1		
10/2/2008																																1.9		
4/6/2009																																1.3		
10/29/2009											1.6																					1.3		

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

Sampling Point	Collection Date	Parameters																																	
		Acetone ¹	Benzene	Bromomethane	2-Butanone (MEK)	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	1,4-dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-dichloroethane	1,1-Dichloroethene	cis-1,2-dichloroethene	trans-1,2-Dichloroethene	1,2-dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene chloride	MTBE	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes			
WDNR NR140	PAL	200	0.5	1	90	NE	NE	80	0.6	0.3	15	200	85	0.5	0.7	7	20	0.5	140	NE	0.5	12	0.5	10	200	14	0.5	NE	96		0.02	1000			
	ES	1000	5	10	460	NE	NE	400	6	3	75	1000	850	5	7	70	100	5	700	NE	5	60	5	50	1000	70	5	NE	480		0.2	10000			
P-116 (former Hadel well)	10/9/2001	NR																																	
	11/19/2001	NR																																	
	2/5/2002	NR																																	
	5/22/2002	NR																																	
	8/19/2002	NR																																	
	08/19/02 Dup	NR																																	
	12/3/2002	NR																																	
	12/03/02 Dup	NR																																	
	4/22/2003																																		
	7/30/2003																																		
	10/22/2003																																		
	2/4/2004																																		
	5/11/2004																																		
	7/22/2004																																		
	10/14/2004																																		
	1/27/2005																																		
	4/26/2005																																		
	8/2/2005																																		
	10/26/2005																																		
	1/31/2006																																		
	01/31/06 Dup																																		
4/24/2006																																			
7/27/2006										0.35 Q																									
10/31/2006																																			
2/1/2007																																			
5/1/2007																																			
8/8/2007																																			
10/22/2007																																			
5/6/2008																																			
10/2/2008																																			
4/6/2009																																			
10/29/2009																																			

**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 ₃ ⁻	NO ₂ ⁻	Fe ²⁺	SO ₄ ²⁻	S ²⁻	CH ₄					
	Detection Range	0.2 to 1.5	0.08 to 0.8	0.1 to 2.5	8 to 100	0.2 to 3	>0.000180					
	Target Concentration		<0.08	<0.1		<0.2	<0.5	>50	>0.5			
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mV	mg/l	uS/cm		C
MW-101	10/29/2009	<0.20	0.39	>2.5	>100	<0.2	0.015	-98	3.17	914	6.85	11.8
MW-103	10/28/2009	<0.20	>0.80	0.42	>100	<0.2	0.00042	24	4.21	1780	6.79	10.7
MW-104	11/4/2009	NT	NT	NT	NT	NT	NT	NT	NT	1858	6.71	10.1
MW-107	10/28/2009	>1.5	0.18	0.61	>100	<0.2	<0.000180	-1	5.78	956	7.13	11.6
MW-108	11/4/2009	NT	NT	NT	NT	NT	NT	NT	NT	2156	7.12	9.3
MW-111	10/28/2009	1.61	<0.08	0.26	>100	<0.2	0.00031	3	6.66	836	6.66	11.4
MW-112	11/4/2009	NT	NT	NT	NT	NT	NT	NT	NT	1627	7.14	9.9
P-101	10/29/2009	0.39	0.12	1.84	71.36	<0.2	0.00059	-108	2.2	880	7.32	11.2
P-102	11/4/2009	NT	NT	NT	NT	NT	NT	NT	NT	824	7.05	8.4
P-103	10/28/2009	0.45	<0.08	<0.1	78.95	<0.2	0.052	-125	0.85	739	7.19	10.2
P-106	11/4/2009	NT	NT	NT	NT	NT	NT	NT	NT	751	7.20	9.9
P-107	10/28/2009	<0.20	<0.08	1.68	89.8	<0.2	0.31	-78	1.19	778	7.08	10.9
P-111	10/28/2009	<0.20	<0.08	0.53	64.03	<0.2	0.0085	-140	0.48	616	7.57	10.1
MW-3B	10/28/2009	<0.20	<0.08	0.72	37.68	<0.2	0.098	-230	0.35	567	7.65	9.4
P-103D	10/28/2009	<0.20	0.17	>2.5	76.38	<0.2	0.098	-146	0.52	746	7.30	10.2
P-111D	10/28/2009	<0.20	<0.08	1.79	60.63	<0.2	0.33	-171	0.46	764	7.51	10.0
P-113B	10/29/2009	<0.20	<0.08	0.83	70.14	<0.2	0.057	-187	0.42	579	7.33	10.3
P-114 (Ehster)	10/29/2009	0.22	<0.08	0.56	50.61	<0.2	0.28	-120	0.44	636	7.41	10.0
P-115 (Wiese)	10/29/2009	<0.20	<0.08	0.92	40.7	<0.2	0.044	-166	0.47	551	7.52	10.2
P-116 (Hadel)	10/29/2009	0.33	0.21	0.51	41.29	0.32	0.0031	-96	0.44	476	7.53	10.3
MW-3A	10/28/2009	<0.20	<0.08	0.51	14.67	<0.2	0.0073	-236	0.55	505	7.45	9.5
P-107D	10/28/2009	<0.20	<0.08	<0.1	23.84	<0.2	0.073	-188	0.45	528	7.48	10.1
P-113A	10/29/2009	0.35	0.16	2.73	31.67	0.37	0.27	-240	0.87	498	7.41	10.7
Perry/Watkins	10/29/2009	<0.20	<0.08	2.73	15.18	<0.2	0.0098	-167	3.00	489	7.55	10.8
Gaastra	10/29/2009	<0.20	<0.08	0.98	16.04	<0.2	0.01	-163	0.27	490	7.56	10.3
Rohde	11/4/2009	<0.20	<0.08	0.36	19.88	<0.2	0.0011	-76	0.99	500	7.25	10.0

**Table 4 - Groundwater VOC Analytical Results for Private Drinking Water Wells
FF/NN Landfill, Ripon, WI**

		Parameters										
Private Well ID	Sampling Date	VOC's							Inorganic			
		Carbon disulfide *	Methyl ethyl ketone *	Chloromethane	cis-1,2-Dichloroethene	Napthalene	Toluene	Vinyl Chloride	Alkalinity	COD	Chloride	Hardness
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
WDNR NR140	PAL	1000	460	3	70	100	1000	0.2	NE	NE	250	NE
	ES	200	90	0.3	7	10	200	0.02	NE	NE	125	NE
Regularly Monitored Wells												
Baneck, Perry/Watkins	5/9/2001	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/19/2001 ¹	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/5/2002	NA	NA	ND	ND	ND	ND	ND	280	3.2	ND	280
	5/22/2002	NA	NA	ND	ND	ND	ND	ND	300	ND	ND	290
	5/22/2002 Dup	NA	NA	ND	ND	ND	ND	ND	300	ND	ND	290
	8/19/2002	ND	ND	ND	ND	ND	ND	ND	300	[3.0]	ND	290
	12/3/2002	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	07/22/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/12/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/28/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/27/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/2/2005	ND	ND	ND	ND	0.071 QB	ND	ND	NA	NA	NA	NA
	10/26/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	01/31/06	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/28/2006	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/27/2006 ¹	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/31/2006 ¹	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/8/2007 ¹	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/1/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/9/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2007	ND	ND	0.75 Q	ND	ND	ND	ND	NA	NA	NA	NA
	1/25/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/6/2008 ¹	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/22/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
10/3/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	
1/28/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	
4/6/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	
7/14/2009 ²	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	
10/29/2009 ³	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	

**Table 4 - Groundwater VOC Analytical Results for Private Drinking Water Wells
FF/NN Landfill, Ripon, WI**

		Parameters										
Private Well ID	Sampling Date	VOC's						Inorganic				
		Carbon disulfide *	Methyl ethyl ketone *	Chloromethane	cis-1,2-Dichloroethene	Napthalene	Toluene	Vinyl Chloride	Alkalinity	COD	Chloride	Hardness
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
WDNR NR140	PAL	1000	460	3	70	100	1000	0.2	NE	NE	250	NE
	ES	200	90	0.3	7	10	200	0.02	NE	NE	125	NE
Gaastra	5/9/2001	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/19/2001 ¹	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/5/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	280
	5/22/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	270
	8/19/2002	ND	ND	0.24Q	ND	ND	ND	ND	300	ND	ND	280
	12/3/2002	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2003 dup	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/22/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/12/04	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/27/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/27/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/2/2005	ND	ND	ND	ND	0.071 QB	ND	ND	ND	ND	ND	ND
	10/26/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	01/31/06	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/28/2006	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/27/2006 ¹	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/31/2006 ¹	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/1/2007 ¹	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/1/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/9/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2007	ND	ND	0.99 Q	ND	ND	ND	ND	NA	NA	NA	NA
	1/25/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/6/2008 ¹	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/22/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
10/3/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	
1/28/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	
4/6/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	
7/14/2009 ²	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	
10/29/2009 ^{2,3}	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	

**Table 4 - Groundwater VOC Analytical Results for Private Drinking Water Wells
FF/NN Landfill, Ripon, WI**

		Parameters										
Private Well ID	Sampling Date	VOC's							Inorganic			
		Carbon disulfide *	Methyl ethyl ketone *	Chloromethane	cis-1,2-Dichloroethene	Napthalene	Toluene	Vinyl Chloride	Alkalinity	COD	Chloride	Hardness
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
WDNR NR140	PAL	1000	460	3	70	100	1000	0.2	NE	NE	250	NE
	ES	200	90	0.3	7	10	200	0.02	NE	NE	125	NE
Rohde	10/9/2001	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	11/19/2001 ¹	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/4/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	300
	5/22/2002	NA	NA	ND	ND	ND	ND	ND	290	ND	ND	290
	8/20/2002	ND	ND	ND	ND	ND	ND	ND	300	ND	ND	290
	4/22/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/23/2003	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/23/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/22/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/12/2004	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/28/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/27/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/2/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/26/2005	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/1/2006	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	4/28/2006	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/28/2006 ¹	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/31/2006	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	2/8/2007 ¹	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/1/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	8/9/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/22/2007	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	1/25/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	5/6/2008 ¹	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	7/22/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/3/2008	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1/28/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	
4/6/2009	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	
7/14/2009 ³	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	
11/4/2009 ³	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	

**Table 4 - Groundwater VOC Analytical Results for Private Drinking Water Wells
FF/NN Landfill, Ripon, WI**

		Parameters										
		VOC's							Inorganic			
Private Well ID	Sampling Date	Carbon disulfide *	Methyl ethyl ketone *	Chloromethane	cis-1,2-Dichloroethene	Napthalene	Toluene	Vinyl Chloride	Alkalinity	COD	Chloride	Hardness
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L
WDNR	PAL	1000	460	3	70	100	1000	0.2	NE	NE	250	NE
NR140	ES	200	90	0.3	7	10	200	0.02	NE	NE	125	NE

Underline values indicate PAL exceedance

Bold values indicate ES exceedance

Q = detected at less than quantitation limit

B= detected in trip blank

ND= not detected above the level of detection

NA = not analyzed

NR = not required to analyze

PAL = Preventive Action Limit

ES = Enforcement Standard

NE = None Established

¹ Methylene Chloride was detected and is assumed to be a laboratory artifact

² Acetone was detected and is assumed to be a laboratory artifact

³ Chloromethane was detected and is assumed to be lab introduced

Monitoring began in 1993. See prior report submittals to WDNR for results prior to 2001.

See Table 2 for monitoring wells for Ehster, Hadel and Wiese data

**Table 5. Leachate VOC Analytical Results for Leachate Wells
FF/NN Landfill
Ripon, Wisconsin**

Leachate Well ID	Year	Date	Parameter																												
			Benzene	2-Butanone (MEK)	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	P-isopropyl toluene	4-Methyl-2-Pentanone	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether	Dj-isopropyl ether
LC-1	1993	5/12	<25	<120	<25	<25	<25	<25	NA	25	25	<25	<25	410	92	NA	NA	<120	NA	NA	<25	NA	170	NA	18J	NA	NA	76	320	NA	NA
		5/12 Dup	<36	<180	<36	<36	<36	<36	NA	36	36	43	<36	550	110	NA	NA	<180	NA	NA	<36	NA	290	NA	<36	NA	NA	71	410	NA	NA
		6/24	1J	<7	<1	<1	5	<1	NA	1	1	0.8J	<1	13	12	NA	NA	<7	NA	NA	<1	NA	20	NA	<1	NA	NA	6	85	NA	NA
		6/24 Dup	<25	<8	<2	<2	6D	<2	NA	2	2	1DJ	<2	13D	11D	NA	NA	<8	NA	NA	<2	NA	23D	NA	<2	NA	NA	7D	82D	NA	NA
	1996	5/10	2.2	<120	<25	<25	<25	4J	ND	ND	ND	<25	<25	0.46J	4J	ND	NA	<120	NA	ND	<25	NA	<25	ND	<25	NA	NA	<25	86	NA	NA
		10/31	<16	<5	<1	0.58J	1.5	<1	ND	ND	ND	<1	<1	<12	8.3	ND	NA	23	NA	ND	<1	NA	4.7	ND	<1	NA	NA	<1	280	NA	NA
	1997	5/13	1.7	<100	90	<11	<60	<19	ND	ND	ND	<18	<12	<0.23	<19	ND	<18	<18	<18	ND	<32	<95	<20	ND	<24	<16	<16	<23	<55	<7.0	<6.5
		10/28	3.6	5.9	<1.0	0.23	9.4	<0.38	ND	ND	ND	0.87	<0.25	<2.3	3.6	ND	1.7	0.80	6.8	ND	<0.63	97	1.2	ND	<0.49	9.6	8.7	<0.46	29	1.1	0.49
	1998	4/14	3.8	<20	<10	<2.2	35	<3.8	ND	ND	ND	<3.5	<2.5	<2.3	<3.8	ND	<3.5	<3.7	13	ND	<6.3	110	<3.9	ND	<4.9	14	12	<4.6	50	<1.4	<1.3
		10/14	NA	NA	NA	<2.2	<12	<3.8	ND	ND	ND	<3.5	<2.5	NA	19	ND	6.3	NA	18	ND	<6.3	NA	<3.9	ND	<4.9	37	22	<4.6	100	<1.4	<1.3
	1999	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	5/02*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/30*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2001	5/9*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/9	Leachate wells not sampled																												
	2002	2/5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		5/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		8/19 *	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2003	4/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2004	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2005	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2006	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2007	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2008	5/6*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2009	4/9*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**Table 5. Leachate VOC Analytical Results for Leachate Wells
FF/NN Landfill
Ripon, Wisconsin**

Leachate Well ID	Year	Date	Parameter																												
			Benzene	2-Butanone (MEK)	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	P-isopropyl toluene	4-Methyl-2-Pentanone	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether	Dj-isopropyl ether
LC-2	1993	5/12	5	<18	<4	18	<4	<4	<1.0	<4	<4	380D	<4	<4	49	NA	NA	<18	NA	NA	<4	NA	71	NA	<4	NA	NA	<4	160D	NA	NA
		6/24	10	<16	<3	20	<3	<3	<1.0	<3	<3	170D	<3	<3	54	NA	NA	<16	NA	NA	<3	NA	27	NA	<3	NA	NA	<3	180	NA	NA
	1996	5/10	4.0	<12	<2	10	5	<2	<1.0	NA	NA	<2	0.2J	<2	<2	NA	NA	<12	NA	NA	<2	NA	0.6J	NA	<2	NA	NA	<2	20	NA	NA
		10/31	6.6	<5	<1	24	8.1	<1.0	<1.0	<5	<5	11	0.22J	3.1	42	NA	NA	<5.0	NA	NA	2.7	NA	6.8	NA	0.56J	NA	NA	<1.0	140	NA	NA
	1997	5/13	5.8	<20	<10	17	<12	<3.8	<1.0	<2	<2.2	8.3	<2.5	<2.3	<3.8	<3.6	<3.5	<3.7	4.4	<4.6	<6.3	<19	<3.9	<1.8	<4.9	6.9	5.5	<4.6	34	<1.4	<1.3
		10/28	7.0	2.3	<1.0	25	6.4	<0.38	<1.0	0.59	0.23	8.2	<0.20	<0.23	18	0.64	1.1	<0.37	8.9	<0.46	<0.63	240J	1.4	0.18	<0.49	17	6.5	<0.46	40	1.6	1.2
	1998	4/14	<16	<100	<50	25	<60	<19	<1.0	<1.0	<11	<18	<12	<12	<19	<18	<18	<18	<23	<32	200	<20	<9.0	<24	<16	<16	<23	<55	<7	<6.5	
		10/14	4.0	NA	NA	91	<2.4	<0.76	<1.0	<0.44	<0.44	18	<0.50	<0.46	45	1.4	<0.70	NA	7.1	<0.92	<1.3	NA	<0.78	<0.36	<0.98	17	3.5	<0.92	39	1.3	0.94
	1999	4/7	6.2	NA	NA	44	<1.0	<1.0	<1.0	<1.0	<1.0	28	<1.0	<1.0	150	3.9	<1.0	NA	7.1	2.8	<1.0	NA	<0.40	<1.0	<1.0	26	9.0	<1.0	380	<1.0	<1.0
		10/28	8.0	<2.5	NA	45	<2.5	<2.5	<1.0	<2.5	<2.5	30	<2.5	<2.5	280	6.7	<2.5	<2.5	12	<2.5	<2.5	240	<1.0	<2.5	<2.5	42	11	<2.5	750	<2.5	<2.5
	2000	5/02	8.1	<2.5	<2.5	45	<2.5	<2.5	<1.0	<2.5	<2.5	30	<2.5	<2.5	190	<2.5	<2.5	<2.5	3.6	<2.5	<2.5	190	<1.0	<2.5	<2.5	42	15	<2.5	670	<2.5	<2.5
		10/30	10	<1.0	NA	47	<1.0	<1.0	<1.0	<1.0	<1.0	33	<1.0	<1.0	130	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	200	0.68	<1.0	<1.0	18	13	<1.0	430	2.0	<1.0
	2001	5/09	<0.40	<1.0	NA	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	19	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	200	<0.40	<1.0	<1.0	<0.40	<0.40	<1.0	<1.0	<1.0	<1.0
		10/9	Leachate wells not sampled																												
	2002	2/5	13	NA	NA	67	<13	<4.8	<3.2	<3.3	<3.1	39	<4.6	<4.9	180	9	<4.1	NA	13	7	<2.5	NA	<2.6	<3.1	<2.7	45	12	<3.5	720	<5.7	<5.9
		5/22	14	NA	NA	51	ND	ND	ND	ND	ND	33	ND	NA	96	3.3 Q	ND	NA	ND	ND	ND	ND	ND	ND	ND	23	9.5	ND	570	NA	NA
	2003	4/22	12	ND	ND	43	ND	ND	ND	ND	ND	30	ND	ND	210	NA	NA	NA	10	NA	ND	170	ND	NA	ND	NA	NA	ND	980	ND	NA
	2004	4/28	9	ND	ND	30	1.8 Q	ND	ND	ND	ND	23	ND	ND	88	NA	NA	NA	4.4	NA	ND	130	1.5 Q	NA	ND	NA	NA	ND	470 D	0.87 Q	NA
	2005	8/3	11	ND	ND	43	ND	ND	ND	ND	ND	25	ND	ND	92	NA	NA	NA	3.7	NA	ND	180	ND	NA	ND	NA	NA	ND	770	ND	NA
	2006	4/28 ¹	13	ND	ND	45	ND	ND	ND	ND	ND	33	ND	ND	85	NA	NA	NA	17	NA	ND	220	ND	NA	ND	NA	NA	ND	1100	ND	NA
	2007	5/02	12	<22	<3.3	50	<4.8	<1.2	<5.0	<4.1	<4.4	22	<3.8	<4.1	52	NA	NA	NA	6.3	NA	<2.2	170	<3.4	NA	<2.4	NA	NA	<0.9	780	<3	NA
	2008	5/6	7.6	<4.3	<0.66	58.2	<0.97	<0.24	<0.99	<0.83	<0.87	13.1	<0.75	<0.83	43.3	NA	NA	NA	11.3	NA	<0.45	128	2.1	NA	<0.48	NA	NA	<0.18	337	<0.61	NA
	2009	4/9	10.9	<22	<3	45.9	<5	<1	<5	<4	<4	16.3	<4	<4	91.3	NA	NA	NA	<4	NA	<2	138	<3	NA	<2	NA	NA	<1	618	<3	NA

**Table 5. Leachate VOC Analytical Results for Leachate Wells
FF/NN Landfill
Ripon, Wisconsin**

Leachate Well ID	Year	Date	Parameter																														
			Benzene	2-Butanone (MEK)	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	P-isopropyl toluene	4-Methyl-2-Pentanone	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether	Dj-isopropyl ether		
LC-3	1993	5/12*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		6/24*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1996	5/10*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/31*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1997	5/13*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1998	4/14*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/14*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1999	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	5/02	<10	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	5800	<25	<25	<25	<25	25	<25	<25	<25	65	<25	<25	<10	<10	330	<25	<25	<25	NA	
		10/30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2001	5/9*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/9	Leachate wells not sampled																														
	2002	2/5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		5/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		8/19*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2003	4/22*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2004	4/28*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2005	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2006	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2007	5/02	<4.1	<43	<6.6	<4.1	<9.7	<2.4	<9.9	<8.3	<8.7	<9.5	<7.5	170	13	NA	NA	NA	<7.4	NA	<4.5	290	35	NA	<4.8	NA	NA	13	65	<6.1	NA		
	2008	5/6*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2009	4/9 ¹	<1	<9	<1	<1	<2	<1	<2	<2	<2	<2	<2	296	2.2	NA	NA	NA	<2	NA	<1	22	13.6	NA	22	NA	NA	11.3	17.3	<6.1	NA		

**Table 5. Leachate VOC Analytical Results for Leachate Wells
FF/NN Landfill
Ripon, Wisconsin**

Leachate Well ID	Year	Date	Parameter																														
			Benzene	2-Butanone (MEK)	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloromethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	P-isopropyl toluene	4-Methyl-2 Pentanone	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	1,2,4-Trichlorobenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylenes (Total)	Methyl-t-butyl ether	Dl-isopropyl ether		

Notes:

- * = Insufficient water for sample collection
- D = Analyte was identified in an analysis at a secondary dilution factor
- J = Estimated Values; Below the Quantitation Limit
- NA = Not analyzed
- ND = Not detected
- Q = Between LOD and LOQ
- 4/28¹ Acetone detected at 29 ug/l
- 4/9¹ Acetone detected at 56.9 ug/l

Many samples results indicated the presence of methylene chloride and/or acetone. Validation of the data indicated that these compounds were not actually present in the water from the leachate wells. These, and other compounds not detected in the samples are not included on the summary table.

All concentrations are in parts per billion (ppb)

Contaminants are not compared to NR140 Prevention Action Limits and Enforcement Standards because those standards do not apply to leachate.

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/ min	CFM*	Comments
			(%)	(%)	(%)	(%)			
			variable	variable	<5	<40			
GV-1	11:33	3/20/2006	10.2	8.1	14.9	66.8			target percentages 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	8	1	
	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	0	0	
	15:32	4/14/2006	22.8	24.9	1.0	51.3	430	34	
	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	315	25	
	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	60	5		
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	80	6		
13:42	3/1/2007	6.0	17.4	3.8	72.8	100	8		
14:36	3/1/2007	5.5	16.4	4.2	73.9	20	2		
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	

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GV-1	10:42	5/30/2007	29.5	25.0	0.8	44.7	110	9	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	112	9	
	13:45	6/14/2007	1.5	12.0	8.3	78.3	59	5	
	13:45	6/19/2007	1.4	12.2	8.5	78.0	96	8	
	6/21/2007								vent closed

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/ min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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	270	21	
	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	330	26	
	15:24	4/14/2006	15.5	30.4	2.5	51.6	435	34	
	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	400	31	
	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	60	5		
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	90	7		
13:17	3/1/2007	10.5	19.2	1.0	69.3	120	9		
14:25	3/1/2007	9.5	1.2	17.6	71.7	20	2		
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				
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	130	10	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	

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GV-4	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	47	4	
	14:40	6/14/2007	4.3	20.6	0.5	74.7	35	3	
	14:50	6/19/2007	5.0	21.0	0.8	73.2	73	6	
	14:50	6/21/2007	7.5	21.6	0.7	70.2	89	7	
	14:40	7/11/2007	10.5	23.0	0.4	66.1	33	3	
	14:08	7/23/2007	12.5	23.6	0.4	63.5	85	7	
	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	79	6	
	13:50	8/20/2007	4.6	21.6	0.8	73.0	122	10	
	14:35	8/28/2007	3.1	20.2	0.9	75.8	242	19	
	8/31/2007								vent closed

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/ min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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	295	23	
	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	305	24	
	15:53	4/14/2006	21.3	28.5	5.4	44.8	225	13	
	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	215	17	
	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	40	3	
	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	80	6		
14:00	3/1/2007	7.0	15.5	4.2	73.3	120	9		
14:40	3/1/2007	6.0	14.4	5.2	74.4	20	2		
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	80	6	restart and run 24 hrs	

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GV-6	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
	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	147	11	
	15:00	6/14/2007	14.0	21.8	0.6	63.6	122	10	
	14:30	6/19/2007	13.0	22.8	0.7	63.5	71	6	
	14:30	6/21/2007	15.0	21.8	1.4	61.8	93	7	
	14:20	7/11/2007	14.0	20.2	3.1	62.7	118	9	
	14:20	7/23/2007	15.0	21.0	3.3	60.7	98	8	
	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	41	3	
	14:20	8/20/2007	9.5	18.0	5.1	67.4	81	6	
	14:15	8/28/2007	9.0	18.6	4.4	68.0	150	12	
	15:50	8/31/2007	6.0	19.2	2.5	72.3	65	5	
	14:45	9/4/2007	6.0	18.2	3.2	72.6	54	4	
	13:15	9/17/2007	5.0	16.8	4.3	73.9	73	6	
	9:35	9/29/2007	4.7	16.8	4.3	74.2	85	7	
	8:35	10/4/2007	4.4	16.2	4.7	74.8	57	4	
	9:35	10/7/2007	4.7	17.0	3.6	74.7	71	6	
	9:40	10/18/2007	7.5	20.0	0.6	71.9	65	5	
	9:10	10/25/2007	7.0	2.0	0.5	90.5	47	4	
	9:10	11/1/2007	7.0	20.6	0.2	72.2	31	2	
	10:05	11/13/2007	17.5	22.0	0.7	59.8	61	5	
	11:20	11/26/2007	6.0	15.6	5.5	72.9	54	4	reduce to 12 on 12 off
	10:50	12/10/2007	7.0	16.8	4.8	71.4	37	3	reduce to 10 on 14 off
	11:40	12/26/2007	6.5	15.6	4.9	73.0	49	4	reduce to 8 on 16 off
	10:05	1/9/2008	6.0	15.6	4.9	73.5	47	4	
	12:05	1/23/2008	5.5	13.4	7.3	73.8	31	2	
	9:10	2/4/2008	12.5	19.4	0.9	67.2	57	4	
	7:40	2/18/2008	17.0	20.4	0.7	61.9	47	4	
	7:20	3/4/2008	21.0	21.0	0.9	57.1	73	6	
	8:35	3/18/2008	31.0	22.8	0.8	45.4	71	6	
	14:15	5/12/2008	14.5	19.6	3.1	62.8	67	5	
	9:05	5/19/2008	5.5	14.8	6.4	73.3	59	5	
	13:40	5/30/2008	12.0	20.4	0.2	67.4	63	5	
	9:15	6/12/2008	5.0	16.8	5.5	72.7	49	4	
9:10	6/25/2008	10.0	23.4	0.6	66.0	53	4		
11:20	7/7/2008	5.5	20.0	0.0	74.5	57	4	opened GV-6 to 200 ft/min	
12:25	7/21/2008	7.5	20.8	1.3	70.4	256	20		
9:45	8/5/2008	9.5	21.8	0.5	68.2	264	21		
9:00	8/13/2008	11.5	21.6	1.4	65.5	1230	96	increase to 12 on 12 off	
8:40	8/19/2008	4.9	15.4	6.8	73.0	1220	95		
14:00	9/2/2008	5.5	18.4	2.0	74.1	199	16		
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	185	14		
9:10	10/28/2008	7.0	19.2	2.8	71.0	161	13		
7:30	11/6/2008	10.0	20.2	1.5	68.3	187	15		
10:10	12/24/2008	6.0	15.6	4.5	73.9	124.0	10	12/8/08 meter failure	
11:45	1/8/2009	3.1	13.6	6.5	76.8	142.0	11	1/27/09 ice in port	
11:15	1/18/2009	8.5	19.0	3.2	69.3	198.0	15		
8:30	2/6/2009	3.2	12.4	7.7	76.8	162.0	13		
10:45	2/23/2009	1.5	10.8	9.7	78.1	187.0	15	decrease to 8 on	
10:10	3/9/2009	3.0	14.6	3.3	79.1	260.0	20		

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/ min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GV-6	10:10	3/20/2009	4.4	16.8	2.1	76.8	203.0	16	
	12:21	4/9/2009	8.0	18.4	0.0	73.6	154.0	12	
	10:30	4/19/2009	3.6	13.0	6.7	76.7	171.0	13	
	8:30	5/4/2009	1.6	11.4	8.5	78.6	230.0	18	
	8:35	5/18/2009	2.0	12.4	7.2	78.4	209.0	16	
	10:05	6/1/2009	1.3	11.4	7.9	79.4	250.0	20	
	8:50	6/14/2009	1.7	13.8	4.7	79.8	144.0	11	
	8:40	7/2/2009	9.0	20.8	0.3	69.9	185.0	14	
	7:25	7/13/2009	11.5	23.0	0.0	65.5	185.0	14	
	8:25	7/22/2009	4.5	16.2	4.4	74.9	179.0	14	
	8:40	8/11/2009	1.9	11.8	7.7	78.6	266.0	21	
	8:40	8/24/2009	1.8	11.4	7.9	79.0	224.0	18	decrease to 6 on 18 off
	9:15	9/8/2009	7.0	18.4	1.6	73.0	157.0	12	
	9:10	9/21/2009	16.0	22.4	0.4	61.2	155.0	12	
	10:09	10/5/2009	9.5	19.8	2.0	68.7	154.0	12	
	10:55	10/28/2009	12.5	20.8	1.6	65.1	155.0	12	
	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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/ min	CFM*	Comments	
			(%)	(%)	(%)	(%)				
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	311	24		
	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	340	27		
	15:39	4/14/2006	28.6	29.2	3.5	38.7	280	22		
	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	226	18		
	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	60	5		
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	130	10			
14:42	3/1/2007	16.0	22.0	1.5	60.5	20	2			
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					
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					

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GV-7	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	70	5	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	41	3	
	14:05	6/14/2007	9.5	15.0	5.6	69.9	47	4	
	13:45	6/19/2007	8.0	14.2	6.7	71.1	126	10	
	6/21/2007								vent closed

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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	236	18	
	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	270	21	
	15:36	4/14/2006	12.8	19.0	2.9	65.3	390	30	
	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	311	24	
	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	60	5		
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	70	5		
13:35	3/1/2007	2.2	6.8	12.6	78.5	20	2		
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				
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	110	9	restart and run 24 hrs	

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GV-9	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	148	12	
	14:14	6/14/2007	11.0	19.0	2.5	67.5	33	3	
	14:05	6/19/2007	10.0	19.0	2.8	68.2	138	11	
	13:50	6/21/2007	7.5	16.6	4.8	71.1	94	7	
	13:40	7/11/2007	7.0	16.8	4.7	71.5	106	8	
	13:20	7/23/2007	7.5	17.4	4.6	70.5	120	9	
	14:15	8/8/2007	7.5	17.2	5.0	70.3			
	8/13/2007								vent closed

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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			
	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	630	49	
	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	720	56	
	15:19	4/14/2006	4.5	10.7	9.2	75.6	378	30	
	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	60	5		
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	80	6		
13:20	3/1/2007	15.0	22.6	0.3	62.1	120	9		
14:27	3/1/2007	12.5	20.8	0.5	66.2	20	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				
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	110	9	restart and run 24 hrs	
13:32	5/30/2007	13.0	24.0	0.4	62.6				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GV-12	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	38	3	
	14:30	6/14/2007	0.8	15.4	1.9	81.9	87	7	
	14:20	6/19/2007	1.1	15.6	4.8	78.5	91	7	
	14:20	6/21/2007	1.5	16.8	2.7	79.0	53	4	
	14:10	7/11/2007	3.9	20.2	0.5	75.5	73	6	
	13:45	7/23/2007	4.5	20.8	0.3	74.5	61	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	81	6	
	13:40	8/20/2007	1.1	17.0	3.3	78.6	85	7	
	14:05	8/28/2007	0.5	15.0	4.7	79.8	96	8	
		8/31/2007							vent closed

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/ min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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			
	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	4	0	
	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	2	0	
	15:26	4/14/2006	12.2	24.1	4.0	59.7	30	2	
	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	35	3	
	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	41	3	
	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	40	3	
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	250	12	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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
LC-1	17:16	6/12/2007	10.5	21.0	2.1	66.4	978	48	
	14:49	6/14/2007	11.0	20.8	2.2	66.0	1224	60	
	14:40	6/19/2007	10.5	21.0	2.2	66.3	1071	53	
	14:40	6/21/2007	11.0	21.2	2.0	65.8	1014	50	
	14:30	7/11/2007	11.5	21.4	2.0	65.1	1730	85	
	14:00	7/23/2007	12.0	21.8	2.0	64.2	902	44	
	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	740	36	
	14:10	8/20/2007	10.0	21.4	2.8	65.8	1425	70	
	14:25	8/28/2007	8.5	20.8	2.7	68.0	972	48	
	15:55	8/31/2007	5.5	18.2	4.2	72.1	1224	60	
	14:55	9/4/2007	4.5	17.2	4.1	74.3	1026	50	
	13:25	9/17/2007	3.2	15.4	5.1	76.4	1164	57	
	9:50	9/29/2007	3.0	15.2	5.6	76.2	903	44	
	8:45	10/4/2007	3.1	15.2	5.6	76.1	850	42	
	9:45	10/7/2007	3.7	15.6	4.8	75.9	1045	51	
	9:50	10/18/2007	6.0	17.0	3.6	73.4	1024	50	
	9:00	10/25/2007	5.0	17.2	3.8	74.0	677	33	
	9:20	11/1/2007	6.0	18.6	2.2	73.2	541	27	
	10:25	11/13/2007	11.5	18.6	3.4	66.5	951	47	
	11:30	11/26/2007	4.8	16.2	4.8	74.3	941	46	
	11:00	12/10/2007	5.0	16.0	5.4	73.6	1071	53	
	11:50	12/26/2007	5.5	16.6	4.3	73.6	648	32	
	10:15	1/9/2008	6.0	17.0	3.7	73.3	764	37	
	12:10	1/23/2008	5.0	15.8	5.2	74.0	463	23	
	9:20	2/4/2008	8.0	17.4	3.3	71.3	472	23	
	7:50	2/18/2008	12.0	17.6	3.8	66.6	733	36	
	7:30	3/4/2008	20.0	18.0	6.0	56.0	701	34	
	8:50	3/18/2008	23.0	19.8	3.9	53.3	185	9	
	14:30	5/12/2008	14.5	21.0	1.5	63.0	1014	50	
	9:15	5/19/2008	4.4	17.4	2.4	75.9	760	37	
	13:50	5/30/2008	6.5	18.2	1.2	74.1	1045	51	
	9:20	6/12/2008	3.8	19.0	2.6	74.6	823	40	
	9:20	6/25/2008	9.5	21.6	0.5	68.4	827	41	
	11:10	7/7/2008	6.0	19.4	1.3	73.3	1354	66	opened GV-6 to 200 ft/min
	12:25	7/21/2008	6.5	20.6	1.1	71.8	1166	57	
	9:50	8/5/2008	7.0	20.2	1.7	71.1	701	34	
	9:10	8/13/2008	12.5	23.2	0.1	64.2	126	6	increase to 12 on 12 off
	8:45	8/19/2008	8.0	21.2	2.2	68.6	242	12	
	14:15	9/2/2008	6.5	20.6	1.1	71.8	486	24	
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	465	23		
9:15	10/28/2008	9.0	23.4	0.0	67.6	427	21		
7:40	11/6/2008	10.5	22.2	0.6	66.7	514	25		
10:25	12/8/2008	7.0	21.4	1.4	70.2	463	23		
10:20	12/24/2008	6.0	20.4	1.2	72.4	230	11	decrease to 10 on	
12:00	1/8/2009	5.0	15.4	2.4	77.2	264	13		
11:25	1/18/2009	8.5	23.0	0.3	68.2	427	21		
7:40	1/27/2009	5.0	18.0	4.9	72.1	498	24		
8:40	2/6/2009	4.8	16.4	5.2	73.7	274	13		
11:00	2/23/2009	3.9	17.4	4.5	74.3	441	22	decrease to 8 on	
10:20	3/9/2009	8.0	21.2	0.1	70.7	417	20		
10:20	3/20/2009	10.0	21.8	0.6	67.6	383	19		
11:46	4/9/2009	13.0	22.2	0.2	64.6	474	23		
10:45	4/19/2009	5.6	18.2	2.1	74.1	203	10		
8:05	5/4/2009	8.5	16.2	5.5	69.8	531	26		
8:40	5/18/2009	4.3	17.6	3.4	74.8	460	23		
9:35	6/1/2009	7.0	15.4	5.2	72.4	364	18		
9:00	6/14/2009	5.0	18.8	1.5	74.7	402	20		

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
LC-1	8:45	7/2/2009	13.5	21.2	1.6	63.7	799	39	
	7:30	7/13/2009	7.0	12.6	8.6	71.8	252	12	
	8:20	7/22/2009	5.0	20.4	1.3	73.3	567	28	
	8:50	8/11/2009	4.6	17.4	4.1	74.0	671	33	
	8:45	8/24/2009	4.3	16.8	4.5	74.5	754	37	decrease to 6 on 18 off
	9:25	9/8/2009	10.0	21.6	0.6	67.8	386	19	
	9:20	9/21/2009	15.0	23.8	0.0	61.2	555	27	
	10:15	10/5/2009	15.0	23.8	0.1	61.1	354	17	
	11:00	10/28/2009	16.0	23.2	1.3	59.5	283	14	
	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			

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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	20	2	
	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	10	1	
	15:56	4/14/2006	33.6	20.0	7.9	38.5	10	1	
	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	14	1	
	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	150	12	
	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	310	15	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	1552	76		

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
LC-2	14:20	6/14/2007	40.5	25.4	1.2	32.9	1035	51	
	13:55	6/19/2007	39.5	25.8	1.2	33.5	854	42	
	14:00	6/21/2007	39.5	25.4	1.5	33.6	1053	52	
	13:50	7/11/2007	38.0	25.8	1.5	34.7	785	39	
	13:30	7/23/2007	38.5	26.6	1.4	33.5	1024	50	
	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	1077	53	
	13:20	8/20/2007	34.5	25.2	3.1	37.2	852	42	
	13:45	8/28/2007	36.5	27.8	1.3	34.4	1921	94	
	15:30	8/31/2007	30.0	26.0	2.5	41.5	2198	108	
	14:25	9/4/2007	26.0	26.0	2.0	46.0	1294	63	
	12:55	9/17/2007	17.5	23.6	3.2	55.7	972	48	
	9:15	9/29/2007	17.5	23.8	2.9	55.8	1378	68	
	8:15	10/4/2007	18.5	25.0	1.8	54.7	626	31	
	9:15	10/7/2007	19.0	25.2	1.7	54.1	844	41	
	9:30	10/18/2007	17.5	21.4	4.2	56.9	1049	51	
	8:35	10/25/2007	23.0	25.2	2.3	49.5	835	41	
	8:50	11/1/2007	26.5	27.0	1.0	45.5	742	36	
	9:55	11/13/2007	28.0	25.8	1.8	44.4	1094	54	
	11:05	11/26/2007	27.0	25.4	2.0	45.6	702	34	
	10:30	12/10/2007	26.0	25.8	2.1	46.1	555	27	
	11:15	12/26/2007	26.0	25.0	2.0	47.0	872	43	
	9:40	1/9/2008	24.5	21.6	4.7	49.2	728	36	
	11:58	1/23/2008	19.0	18.2	7.4	55.4	1321	65	
	8:50	2/4/2008	17.0	15.4	9.4	58.2	1158	57	
	7:20	2/18/2008	25.5	20.4	6.3	47.8	654	32	
	7:15	3/4/2008	30.5	21.2	7.1	41.2	1291	63	
	8:25	3/18/2008	32.5	22.6	5.5	39.4	913	45	
	13:45	5/12/2008	43.0	25.8	2.5	28.7	571	28	
	8:45	5/19/2008	41.0	26.0	2.0	31.0	646	32	
	13:20	5/30/2008	31.0	23.6	3.2	42.2	1123	55	
	8:35	6/12/2008	35.5	20.0	1.3	43.2	1524	75	
	8:45	6/25/2008	33.0	24.8	3.6	38.6	774	38	
	10:45	7/7/2008	32.0	27.0	1.7	39.3	813	40	opened GV-6 to 200 ft/min
	12:20	7/21/2008	34.5	28.2	1.5	35.8	604	30	
	10:00	8/5/2008	34.5	27.6	2.1	35.8	972	48	
	9:20	8/13/2008	36.5	27.8	2.8	32.9	122	6	increase to 12 on 12 off
	9:05	8/19/2008	40.0	29.6	0.4	30.0	205	10	
	14:40	9/2/2008	34.0	29.6	1.3	35.1	1120	88	
	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	492	38	
	9:35	10/28/2008	38.5	30.2	2.4	28.9	341	27	
8:00	11/6/2008	39.0	30.4	1.5	29.1	376	29		
10:55	12/8/2008	41.5	32.2	1.2	25.1	351	27		
9:50	12/24/2008	23.0	20.8	7.0	49.2	311	24	decrease to 10 on	
11:20	1/8/2009	25.0	23.4	5.1	46.5	256	20		
11:35	1/18/2009	13.5	19.8	5.5	61.2	435	34		
7:45	1/27/2009	35.5	31.0	0.7	32.8	319	25		
8:15	2/6/2009	26.5	25.2	3.5	44.8	465	36		
10:15	2/23/2009	23.5	25.8	2.0	48.7	492	38	decrease to 8 on	
9:50	3/9/2009	23.0	23.8	3.7	49.5	417	33		
9:40	3/20/2009	29.5	28.6	0.5	41.4	254	20		
12:25	4/9/2009	47.0	18.6	2.0	32.4	449	35		
10:15	4/19/2009	35.0	28.2	0.3	36.5	437	34		
8:15	5/4/2009	29.0	27.8	0.3	42.9	426	33		
8:30	5/18/2009	27.5	28.2	0.0	44.3	929	73		
9:45	6/1/2009	23.0	26.8	0.0	50.2	502	39		
9:20	6/14/2009	23.5	27.6	0.0	48.9	382	30		
9:00	7/2/2009	26.5	26.0	1.3	46.2	465	36		

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
LC-2	7:45	7/13/2009	32.0	28.6	0.0	39.4	539	42	
	8:30	7/22/2009	33.9	28.6	0.0	37.5	823	64	
	9:10	8/11/2009	31.0	29.0	0.0	40.0	547	43	
	9:00	8/24/2009	27.5	29.0	0.0	43.5	1224	96	decrease to 6 on 18 off
	9:45	9/8/2009	30.5	29.6	0.0	39.9	386	30	
	9:38	9/21/2009	30.5	27.0	1.5	41.0	342	27	
	10:40	10/5/2009	38.5	30.8	0.0	30.7	427	33	
	10:50	10/28/2009	43.5	31.8	0.0	24.7	687	54	
	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			

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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	73	6	
	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	20	2	
	15:30	4/14/2006	37.7	28.8	1.2	32.3	30	2	
	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	37	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	290	23	
	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	1400	109	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	866	68		

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
LC-3	13:58	6/14/2007	14.5	19.2	3.1	63.2	1265	99	
	13:35	6/19/2007	14.5	19.6	3.0	62.9	1044	82	
	13:40	6/21/2007	14.0	19.2	3.2	63.6	1146	90	
	13:20	7/11/2007	14.0	19.2	3.3	63.5	858	67	
	13:10	7/23/2007	13.0	19.0	3.4	64.6	1033	81	
	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	1315	103	
	13:10	8/20/2007	11.8	19.8	2.7	65.7	945	74	
	13:35	8/28/2007	11.5	19.2	2.8	66.5	1378	108	
	15:20	8/31/2007	8.5	18.0	3.5	70.0	1283	100	
	14:15	9/4/2007	7.0	17.0	3.9	72.1	1412	110	
	12:45	9/17/2007	5.5	15.8	4.7	74.0	1198	94	
	9:05	9/29/2007	5.0	16.2	4.6	74.2	1181	92	
	8:05	10/4/2007	5.5	16.0	4.6	73.9	1140	89	
	9:05	10/7/2007	6.0	16.4	4.2	73.4	1049	82	
	9:20	10/18/2007	7.5	16.8	3.6	72.1	1768	138	
	8:25	10/25/2007	6.5	16.6	4.2	72.7	997	78	
	8:40	11/1/2007	7.5	16.8	4.3	71.4	957	75	
	9:45	11/13/2007	11.5	16.2	5.5	66.8	1272	99	
	10:55	11/26/2007	7.0	14.4	6.4	72.2	1154	90	
	10:20	12/10/2007	7.0	14.6	6.8	71.6	1008	79	
	11:05	12/26/2007	7.5	14.4	6.4	71.7	1279	100	
	9:30	1/9/2008	8.5	14.6	6.6	70.3	684	53	
	11:50	1/23/2008	7.5	14.4	7.3	70.8	782	61	
	8:40	2/4/2008	10.0	15.6	6.1	68.3	652	51	
	7:10	2/18/2008	12.5	15.4	6.8	65.3	1033	81	
	7:40	3/4/2008	17.5	17.8	7.5	57.2	768	60	
	8:15	3/18/2008	20.0	17.6	6.2	56.2	980	77	
	13:35	5/12/2008	20.0	19.6	4.5	55.9	1081	84	
	8:45	5/19/2008	11.5	16.6	5.6	66.3	1503	117	
	13:10	5/30/2008	10.0	16.2	5.1	68.7	1773	139	
	8:25	6/12/2008	9.5	17.4	5.2	67.9	802	63	
	8:35	6/25/2008	14.5	19.8	4.3	61.4	1419	111	
	10:35	7/7/2008	10.5	17.0	4.9	67.6	1514	118	opened GV-6 to 200 ft/min
	12:15	7/21/2008	10.5	19.0	4.1	66.4	659	51	
	10:00	8/5/2008	12.5	19.2	4.2	64.1	1057	83	
	9:15	8/13/2008	13.5	19.6	4.3	62.6	425	33	increase to 12 on 12 off
	8:55	8/19/2008	9.5	18.4	4.6	67.5	260	20	
	14:25	9/2/2008	11.5	18.4	4.4	65.7	1185	58	
	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	413	20	
	9:25	10/28/2008	13.5	19.6	5.4	61.5	390	19	
7:50	11/6/2008	13.5	19.2	5.1	62.2	1171	57		
10:40	12/8/2008	12.0	18.8	5.6	63.6	468	23		
9:40	12/24/2008	10.0	17.4	5.2	67.4	272	13	decrease to 10 on	
11:10	1/8/2009	9.5	17.0	5.5	68.0	392	19		
11:45	1/18/2009	29.5	22.6	7.4	40.5	424	21		
8:05	2/6/2009	8.5	16.0	5.8	69.7	71	3	1/27/09 ice in port	
10:05	2/23/2009	6.5	16.2	5.7	71.6	451	22	decrease to 8 on	
9:40	3/9/2009	11.0	17.0	5.2	66.8	453	22		
9:30	3/20/2009	13.5	17.6	5.3	63.6	297	15		
11:25	4/9/2009	17.5	18.8	4.9	58.8	384	19		
10:10	4/19/2009	11.0	17.2	5.3	66.5	388	19		
8:40	5/4/2009	4.2	17.4	3.3	75.2	380	19		
8:45	5/18/2009	7.5	16.4	5.5	70.6	535	26		
10:10	6/1/2009	3.8	16.0	4.3	76.0	510	25		
9:10	6/14/2009	7.5	16.0	5.3	71.2	335	16		
8:55	7/2/2009	15.8	18.0	4.5	61.7	478	23		
7:35	7/13/2009	15.5	19.0	4.4	61.1	531	26		

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
LC-3	8:35	7/22/2009	11.5	18.0	4.8	65.7	709	35	
	9:00	8/11/2009	9.0	17.2	4.7	69.1	468	23	
	8:50	8/24/2009	7.0	15.8	5.7	71.5	557	27	decrease to 6 on 18 off
	9:35	9/8/2009	12.0	17.4	4.8	65.8	876	43	
	9:28	9/21/2009	14.5	18.6	4.8	62.1	942	46	
	10:25	10/5/2009	16.5	19.2	4.9	59.4	740	36	
	11:05	10/28/2009	18.5	20.4	4.7	56.4	468	23	
	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			

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/ min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GP-1	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			
	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	7.0	7.8	0.8	84.4			
	8:55	6/12/2008	0.0	2.2	17.0	80.8			
	8:55	6/25/2008	10.5	10.0	0.0	79.5			
	10:55	7/7/2008	8.5	11.0	0.0	80.5			opened GV-6 to 200 ft/min
	11:50	7/21/2008	13.5	11.8	0.0	74.7			
	9:37	8/5/2008	26.5	13.4	0.0	60.1			
	10:40	8/5/2008	18.0	11.6	2.1	68.3			vent for 1 hour with cap off
	8:55	8/13/2008	22.5	14.4	0.0	63.1			increase to 12 on 12 off
	9:55	8/13/2008	17.5	11.4	3.1	68.0			vent for 1 hour with cap off
	8:35	8/19/2008	7.0	12.6	3.4	77.0			
	10:00	8/19/2008	6.0	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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/ min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GP-1	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			

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
GP-2	9:00	3/22/2006	29.5	27.8	0.5	42.2			pre-startup
	14:40	3/23/2006	29.1	24.5	0.8	45.6			
	14:20	3/30/2006	11.5	13.1	10.7	64.7			
	14:05	4/6/2006	10.3	12.6	10.2	66.9			
	14:15	4/11/2006	5.4	5.7	15.3	73.6			
	11:56	4/14/2006	6.8	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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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	6.0	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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/ min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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	10.4	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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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	17.8	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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/ min	CFM*	Comments	
			(%)	(%)	(%)	(%)				
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					

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/ min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/ min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/ min	CFM*	Comments
			(%)	(%)	(%)	(%)			
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				

Table 6. Landfill Gas Field Parameter Monitoring Results

Monitoring Points	Time	Date	CH ₄	CO ₂	O ₂	N	feet/min	CFM*	Comments
			(%)	(%)	(%)	(%)			
	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			
System Exhaust	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	11.6	71.9			
	8:16	3/29/2007	5.5	8.8	12.3	73.4			
	17:15	3/29/2007	5	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	71.3			
	12:50	1/23/2008	8.5	15.6	7.1	68.8			
	10:18	3/22/2006	25.9	18.2	7.4	48.5			
	12:03	7/21/2008	9.5	17.0	5.6	67.9			
	11:15	10/13/2008	6.5	9.8	12	71.7			
	7:20	1/27/2009	3.75	6.4	15.7	74.15			
	9:37	4/9/2009	6.5	7.6	13.3	72.6			
	7:40	7/22/2009	5	7.8	12.8	74.4			
	10:35	10/28/2009	6.5	7.4	13.9	72.2			

Table 7. Landfill Gas Analytical Results
 FF/NN Landfill, Ripon, WI

Sampling Point ID	Date	Benzene	Chlorobenzene	Chloroethane	Chloromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Dichlorotetrafluoroethane	Ethylbenzene	Methylene Chloride	1,1,2,2-Tetrachloroethane	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes			
GP-3	9/29/04	102		689					909			110	6660	229	131								205						25400			
	1/28/05			450					590				4500																12600			
	6/2/06												464			105					708								72.9	85.8		
	11/2/06			5.9									28.7			19					122								50.1			
	5/30/07	1.3	3					2.4	2				7.1			9				0.86	7.4		1			1.9	3.1		25			
	8/9/07																															
	10/22/2007												135								33								24.4			
	1/23/2008								3.4				7.3										2.2									
	7/22/2008						1.6														0.74											
	10/7/2008								7.2				1.9		1.4		1.1		0.87		2.7									1.9		
	1/27/2009								3.6								1.9															
	4/16/2009																				0.95											
7/27/2009				0.83													109			19.4							1.2		0.76			
10/27/2009									1.7				5.7	0.82						0.95		6.5										
GV-6	7/28/2006	172	117	373					1070	42.6			19		281	323				107	27.9		38					3590	649.5			
	11/2/2006	50.2	50.4	73.5					166	35.8					70.4	246				155						45	33.7	84.9	666			
	2/23/2007								111	24.4					44.3					7	33.5		17.6									
	5/30/2007	32		190					160	21			19		120	73				56								150	151			
	8/9/2007	75.8	127	255				27.6	119	35			22.4		72.5	543				84.6						98.9	88	54.5	1123			
	10/22/2007			32					82	68.9			33.9		23	16.3					41.1	29.9		42.3						29		
	1/23/2008			87.6					375	64.8			16		69.5							40		41.4								
	7/22/2008	15.3	16.8	84.7					95.5	83.1					58.4	66.2		22.8				63.4									112	
	10/7/2008			43					93.6						21.4																	
	1/27/2009																8						1.8									
	4/16/2009								3.1								238				1.7					0.85						
	7/27/2009								61.9	28					16.7		502		38.5													
10/27/2009	17.7		78.7					40.6							77.7	34	32.7				48					39				107.60		

Values in ppbv (parts per billion by volume)
 Analyzed using EPA Method TO-14A
 P:\Ripon_Landfill\Reports & Corresp>Status Reports to WDNR\2009\October 2009\Table 7Gas VOCs.xls

Table 7. Landfill Gas Analytical Results
 FF/NN Landfill, Ripon, WI

Sampling Point ID	Date	Benzene	Chlorobenzene	Chloroethane	Chloromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Dichlorotetrafluoroethane	Ethylbenzene	Methylene Chloride	1,1,2,2-Tetrachloroethane	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes		
LC-1	9/29/04			9.1					70.8						9.5																
	1/28/05								553				1080		178													130			
	7/28/2006	117							71.6						168	149					118										563
	11/2/2006	92.6	16.4	54.3					62.4	27.7			1010		30.5	636				22.1	3010		46.9			38.1	29.8			1954	
	2/23/2007	48							129						14.6	64.2		21			40.8									175.2	
	5/30/2007	160		270					180	24					380	500					270					57	43			1140	
	8/9/2007	76.4	21.8	108					118	17.4					34.8	216	106				46.1					32.3	21			489.8	
	10/22/2007	51.1	150	86.9					170	49.3					38	328	15.9				38.7					47.5	39.4			546.7	
	1/23/2008																														
	7/22/2008	31.6	84.8	48.7					13.5	48.5			1.4		13.1	235		23		3.5		6.4	2.2	2.4	0.95	18	12.1			409.8	
	10/7/2008	11.2		27.2					2.8	26.4			1.3				1.8				1.9	1.9	1.4	1.1							
	1/27/2009			7.6													3.3						4								
	4/16/2009								1.1				1.3				1.8				0.94										
	7/27/2009	1.5															7.1			1.2	1.5						3.6	1.7			6.4
10/27/2009			267					388							384															626	
LC-2	7/28/2006	447	404	265					1060				3850	48.7	408	2790	88.6			81	8920		238				191	143	166	13006	
	11/2/2006	221	96.9	216					1130						263	378					43.2					79.4	56			8532	
	2/23/2007	186	182	148			36.2		309						176	449		194			83.7					173	157			7088.5	
	5/30/2007	1.2		4.4					7.7			1.8			7.4	1.2					3.3							2.4	2.7		
	8/9/2007	24.9		75.9					75.6						40.6	17.3					25.9									38	
	10/22/2007	236	112	344						14.3			16.4		90.5	335								14.8		38.2	27.3			1744.1	
	1/23/2008	282	54.7	426					956	19.1					274	200					80			82		77.7	24.1	18.4		1549.9	
	7/22/2008	354	114	535					840						286	400					119										1820
	10/7/2008	37.2		284					538						211		18.3														
	1/27/2009					1.2							1.8				9.7			1.3			8.8		3.2						
	4/16/2009			1.5					5.3								200				2										
	7/27/2009								1490							243															1270
	10/27/2009	578		637					595						422	375							777	995							1920

Values in ppbv (parts per billion by volume)
 Analyzed using EPA Method TO-14A
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Table 7. Landfill Gas Analytical Results
 FF/NN Landfill, Ripon, WI

Sampling Point ID	Date	Benzene	Chlorobenzene	Chloroethane	Chloromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Dichlorotetrafluoroethane	Ethylbenzene	Methylene Chloride	1,1,2,2-Tetrachloroethane	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Total Xylenes		
LC-3	7/28/2006												516							1070										1340	
	11/2/2006	1110	95.4					33.4	740	98.5		254	5840	228	115	526	1430		22.6	209	5030		912	184		158	85.1	1600	3310		
	2/23/2007	434							2810	81.6		166	43400		231	185	1440			63.2	10000		573.1	1210				11900	632		
	5/30/2007	610	110					71	5200	64		460	137000		260	18400	2700			260	146000		3200	270		260	150	172000	47400		
	8/9/2007	28.8							258	58.6			4960		25.9		197				328		64.1	19.3				4680			
	10/22/2007	162							447	21.6			38300	91.3	66.4	179	1370			20.7	16800		1770	45.4				10700	362.7		
	1/23/2008	4.5							44.2	1		10.4	1820		14.2		69.1				37.9		14.5	2.1				1220			
	7/22/2008	30.2	10.3	4.9				1.8	62.4	3.5	0.95	25	6050	13.1	14.3	320	196		15.2	12.6	5140		301	2.6		12.8	7.4	1920	931		
	10/7/2008												1.3				2.1						2.1								
	1/27/2009			1.6	2												3.2														
	4/16/2009																674				5.6										
	7/27/2009	26.7	13.2							9.1			24.5	4560		27	311	131			10	2730		289	6.2		0.86	5.5	1760	876	
10/27/2009	256												66400		250	1900	450				33600		1500					9760	7150		

Values in ppbv (parts per billion by volume)
 Analyzed using EPA Method TO-14A

ATTACHMENT A
STRATIGRAPHIC LAYERS OF WELLS

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

Layer	Well ID	Well Screen Elevation (ft msl)	Lithology at Well Screen
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
Layer 2 Wells	MW-111	812.3	sand
	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
Layer 3 Wells	P-111	774.2	sand
	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
Layer 4 wells	P-116	681.3	sandstone
	MW-3A	570.0	sandstone
	P-107D	544.0	granite
	P-113A	507.8	sandstone

ATTACHMENT B

LABORATORY ANALYTICAL RESULTS

ATTACHMENT C

GROUNDWATER SAMPLING FIELD FORMS

GEOTRANS, INC. 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.	117-1011005.11			Conductivity	MP-20 Flow Cell					
LOCATION	Ripon, WI			ORP	MP-20 Flow Cell					
PERSONNEL	Ashley A. Weimer, Kevin F. Lincicum			DO	MP-20 Flow Cell					
MONITOR WELL ID	MW-113A			P-114	P-116					
WATER TYPE	Groundwater			Groundwater	Groundwater					
DATE (month/day/year)	10-29-09			10-29-09	10-29-09					
STATIC WATER LEVEL (feet)*	13.69			20.36	27.58					
WELL DEPTH (feet)*	325.31			181.72	163.19					
PUMP INLET DEPTH (feet)*	73.5			53.5	16.3					
START PURGE TIME (Military)	0910			12:20	13:10					
END PURGE TIME (Military)	0922			12:50	1345					
PURGE VOLUME (gallons)	1 gal			20	2					
SAMPLE TIME (Military)	0925			12:55	1350					
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	
TIME (minutes since initial reading)	2:00	4:00	6:00	5:00	6:00	7:00	14:00	16:00	18:00	
TEMPERATURE (° C)	10.57	10.69	10.72	10.07	10.03	10.02	10.35	10.31	10.32	
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.48	0.498	0.498	0.629	0.633	0.636	0.477	0.476	0.476	
DISSOLVED OXYGEN (ppm)	0.82	0.78	0.87	0.50	0.44	0.44	0.48	0.44	0.44	
pH	7.47	7.45	7.41	7.41	7.41	7.41	7.53	7.53	7.53	
DISSOLVED OXYGEN (% Sat.)	4.2	7.4	7.8	4.4	3.9	3.9	4.3	3.9	3.9	
ORP (mV)	-237	-238	-240	-115	-117	-120	-100	-97	-96	
COLOR	clear			clear	clear pinkish					
ODOR	sulfur			none	none					
CLARITY	slight cloudy			clear	slightly cloudy					
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			
Vacu-Vials Nitrate- Shake 3, wait 2, then wait 10 min	0.35			0.22			0.33			
Vacu-Vials Nitrite- Wait 10 min.	0.16			0.02			0.21			
Vacu-Vials Iron 2- Wait 1, then wait 5 min	2.73			0.56			0.51			
Vacu-Vials Sulfide- Wait 5 min	0.87 0.37			0.02			0.32			
Vacu-Vials Sulfate- wait 1 min	31.67			50.61			41.29			
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical			
DATE SENT TO LAB	10-3-09			10-3-09			10-3-09			
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer			

*Measured from top of well casing.

GEOTRANS, INC. 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.	117-1011005.11			Conductivity	MP-20 Flow Cell					
LOCATION	Ripon, WI			ORP	MP-20 Flow Cell					
PERSONNEL	Ashley A. Weimer, Kevin F. Lincicum			DO	MP-20 Flow Cell					
MONITOR WELL ID	MW-3B			MW-3A			MW-113B			
WATER TYPE	Groundwater			Groundwater			Groundwater			
DATE (month/day/year)	10-28-09			10-28-09			10-29-09			
STATIC WATER LEVEL (feet)*	29.98			29.90			13.86			
WELL DEPTH (feet)*	185.72			280.1			198.9			
PUMP INLET DEPTH (feet)*	54.5			67.5			48.5			
START PURGE TIME (Military)	17:30			1742			08:50			
END PURGE TIME (Military)	1740			1805			0850 0905			
PURGE VOLUME (gallons)	2			2			3			
SAMPLE TIME (Military)	1740			1810			0910			
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	
TIME (minutes since initial reading)	3:00	4:00	5:00	18:00	19:00	20:00	4:00	5:00	6:00	
TEMPERATURE (° C)	9.42	9.44	9.43	9.47	9.47	9.47	10.29	10.28	10.27	
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.570	0.570	0.587	0.505	0.512	0.505	0.58	0.571	0.571	
DISSOLVED OXYGEN (ppm)	0.41	0.38	0.35	0.59	0.56	0.55	0.48	0.45	0.42	
pH	7.73	7.69	7.65	7.47	7.46	7.45	7.32	7.31	7.33	
DISSOLVED OXYGEN (% Sat.)	3.6	3.3	3.1	5.1	4.9	4.8	4.3	4.0	3.7	
ORP (mV)	-230	-236	-230	-243	-240	-236	-197	-192	-187	
COLOR	clear			clear			clear			
ODOR	sulfur			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			
Vacu-Vials Nitrate- Shake 3, wait 2, then wait 10 min	0.16			0.04			0.12			
Vacu-Vials Nitrite- Wait 10 min.	0.00			0.01			0.03			
Vacu-Vials Iron 2- Wait 1, then wait 5 min	0.72			0.51			0.83			
Vacu-Vials Sulfide- Wait 5 min	under range			0.01			0.01			
Vacu-Vials Sulfate- wait 1 min	37.68			14.67			70.14			
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical			
DATE SENT TO LAB	10-3-09			10-3-09			10-3-09			
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer			

*Measured from top of well casing.

GEOTRANS, INC. 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.	117-1011005.11			Conductivity	MP-20 Flow Cell					
LOCATION	Ripon, WI			ORP	MP-20 Flow Cell					
PERSONNEL	Ashley A. Weimer, Kevin F. Lincicum			DO	MP-20 Flow Cell					
MONITOR WELL ID	P-111 D			P-103			P-103 D			
WATER TYPE	Groundwater			Groundwater			Groundwater			
DATE (month/day/year)	10-28-09			10-28-09			10-28-09			
STATIC WATER LEVEL (feet)*	35.64			50.30			51.02			
WELL DEPTH (feet)*	151.0			83.02			192.66			
PUMP INLET DEPTH (feet)*	151.0			109.5			87.5			
START PURGE TIME (Military)	1505			1610			1640			
END PURGE TIME (Military)	1515			1620			1655			
PURGE VOLUME (gallons)	3			2			2			
SAMPLE TIME (Military)	1520			1620			1700			
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	
TIME (minutes since initial reading)	6 :00	7 :00	8 :00	1 :00	2 :00	3 :00	8 :00	9 :00	10 :00	
TEMPERATURE (° C)	9.95	9.95	9.95	10.23	10.51	10.23	10.45	10.53	10.24	
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.764	0.764	0.764	0.739	0.733	0.739	0.741	0.739	0.746	
DISSOLVED OXYGEN (ppm)	0.50	0.47	0.46	0.85	0.88	0.85	0.61	0.55	0.52	
pH	7.50	7.50	7.9	7.19	7.19	7.19	7.31	7.30	7.30	
DISSOLVED OXYGEN (% Sat.)	4.5	4.2	4.1	7.6	7.9	7.6	5.4	4.9	4.7	
ORP (mV)	-170	-171	-171	-125	-123	-125	-147	-147	-146	
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			
Vacu-Vials Nitrate- Shake 3, wait 2, then wait 10 min	0.09			0.45			0.00			
Vacu-Vials Nitrite- Wait 10 min.	0.02			0.01			0.17			
Vacu-Vials Iron 2- Wait 1, then wait 5 min	1.79			0.03			over range			
Vacu-Vials Sulfide- Wait 5 min	0.00			0.90			under range			
Vacu-Vials Sulfate- wait 1 min	60.63			78.95			76.38			
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical			
DATE SENT TO LAB	10-3-09			10-3-09			10-3-09			
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer			

*Measured from top of well casing.

GEOTRANS, INC. 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.	117-1011005.11			Conductivity	MP-20 Flow Cell					
LOCATION	Ripon, WI			ORP	MP-20 Flow Cell					
PERSONNEL	Ashley A. Weimer, Kevin F. Lincicum			DO	MP-20 Flow Cell					
MONITOR WELL ID	P-107			P-107 D			P-111			
WATER TYPE	Groundwater			Groundwater			Groundwater			
DATE (month/day/year)	10-28-09			10-28-09			10-28-09			
STATIC WATER LEVEL (feet)*	52.04			52.00			38.70			
WELL DEPTH (feet)*	85.75			327.95			81.54			
PUMP INLET DEPTH (feet)*	74.5			76.5			81.0			
START PURGE TIME (Military)	11:35			12:15			14:30			
END PURGE TIME (Military)	12:00			12:50			14:40			
PURGE VOLUME (gallons)	2			4.5			3.0			
SAMPLE TIME (Military)	12:05			13:00			14:50			
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	
TIME (minutes since initial reading)	3:00	4:00	5:00	21:00	22:00	23:00	6:00	7:00	8:00	
TEMPERATURE (° C)	10.97	10.89	10.93	10.15	10.63	10.08	10.22	10.18	10.14	
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.773	0.776	0.778	0.530	0.527	0.528	0.608	0.612	0.616	
DISSOLVED OXYGEN (ppm)	1.26	1.24	1.19	0.42	0.46	0.45	0.55	0.51	0.48	
pH	7.07	7.08	7.08	7.48	7.48	7.48	7.58	7.58	7.57	
DISSOLVED OXYGEN (% Sat.)	11.5	11.3	10.9	3.7	4.2	4.0	4.9	4.6	4.2	
ORP (mV)	-76	-77	-78	-180	-181	-188	-137	-138	-140	
COLOR	clear			clear			clear			
ODOR	none			slight sulfur			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			
Vacu-Vials Nitrate- Shake 3, wait 2, then wait 10 min	0.04 ppm			0.04 ppm			0.10			
Vacu-Vials Nitrite- Wait 10 min.	0.03 ppm			0.05 ppm			0.03			
Vacu-Vials Iron 2- Wait 1, then wait 5 min	1.68 ppm			0.08 ppm			0.53			
Vacu-Vials Sulfide- Wait 5 min	0.00 ppm			0.03 ppm			0.00			
Vacu-Vials Sulfate- wait 1 min	89.80 ppm			23.84 ppm			64.03			
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical			
DATE SENT TO LAB	10-3-09			10-3-09			10-3-09			
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer			

*Measured from top of well casing.

GEOTRANS, INC. 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.	117-1011005.11			Conductivity	MP-20 Flow Cell				
LOCATION	Ripon, WI			ORP	MP-20 Flow Cell				
PERSONNEL	Ashley A. Weimer, Kevin F. Lincicum			DO	MP-20 Flow Cell				
MONITOR WELL ID	P-115			P-106					
WATER TYPE	Groundwater			Groundwater			Groundwater		
DATE (month/day/year)	10-29-09			10-4-09			10--09		
STATIC WATER LEVEL (feet)*	23.56			56.06					
WELL DEPTH (feet)*	179.54			87.18					
PUMP INLET DEPTH (feet)*	53.5			78.5					
START PURGE TIME (Military)	14:45			10:40					
END PURGE TIME (Military)	14:55			11:00					
PURGE VOLUME (gallons)	1			3					
SAMPLE TIME (Military)	1500			1105					
STABILIZED INDICATOR PARAMETERS READINGS	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
TIME (minutes since initial reading)	5:00	6:00	7:00	2:00	3:00	4:00	:00	:00	:00
TEMPERATURE (° C)	10.24	10.23	10.23	9.89	9.88	9.89			
ELECTRICAL CONDUCTANCE at 25° C (ms/cm)	0.551	0.551	0.551	0.751	0.751	0.751			
DISSOLVED OXYGEN (ppm)	0.56	0.50	0.47	0.77	0.74	0.75			
pH	7.52	7.52	7.52	7.19	7.19	7.20			
DISSOLVED OXYGEN (% Sat.)	5.0	4.4	4.2	6.8	6.6	6.6			
ORP (mV)	-167	-166	-166	-118	-119	-119			
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			3 - 40 ml; G; HCl - L; No		
Vacu-Vials Nitrate- Shake 3, wait 2, then wait 10 min	0.16			NM					
Vacu-Vials Nitrite- Wait 10 min.	0.02			NM					
Vacu-Vials Iron 2- Wait 1, then wait 5 min	0.92			NM					
Vacu-Vials Sulfide- Wait 5 min	0.01			NM					
Vacu-Vials Sulfate- wait 1 min	40.70			NM					
NAME OF LABORATORY	Pace Analytical			Pace Analytical			Pace Analytical		
DATE SENT TO LAB	10-3-09			10-5-09			10--09		
SAMPLER'S NAME	Ashley A. Weimer			Ashley A. Weimer			Ashley A. Weimer		

*Measured from top of well casing.

Field Water Quality Form



Project Name FF/NN Landfill
Project Number 117-1011005.11
Location Ripon, WI
Samplers Ashley A. Weimer, Kevin F. Lincicum

Equipment Used
 Hanna pH/Conductivity Meter

Sample Point	mw-107	mw-111	MW-103	MW-101	P-101
Water Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date	10-28-09	10-28-09	10-28-09	10-29-09	10-29-09
Time Sampled	13:25	14:40	16:25	10:45	11:20
Depth to Water	52.41	38.59	51.59	62.12	62.63
Depth to Bottom	55.32	44.13	53.69	64.40	95.28
Purge Volume (gal)	2.0	4.0	1.5	1.5	20.0
Depth Sample Taken	54.0	42.0	53.0	64.0	75.0
Sampling Device	Dedicated Bailer →		Ded. bailer →		Hanging Bailer
Field Temp (C)	11.56 / -1	11.39 / 3	10.66 / 24	11.83 / -98	11.17 / -108
Spf Cond (µS/cm @ 25C)	0.956 / 5.78	0.836 / 6.66	1.78 / 4.21	0.914 / 3.17	0.880 / 2.20
pH	7.13 / 56.0	7.18 / 61.1	6.79 / 38.2	6.85 / 39.7	7.32 / 27.0
Color	light brown	clear	clear	clear	clear
Odor	none	none	none	none	none
Clarity	cloudy	clear	clear	clear	clear

RP -1 ; DO 5.78 mg/L; DO% 56.0;

Analyses Performed					
VOCs (40-mL glass, HCl, not filtered)					→
Vacu-Vials Nitrate	over range	1.61	0.09	0.00	0.39
Vacu-Vials Nitrite	0.18	0.07	over range	0.39	0.12
Vacu-Vials Iron 2	0.61	0.26	0.42	over range	1.84
Vacu-Vials Sulfide	0.18	0.05	0.00	0.09	0.15
Vacu-Vials Sulfate	108.1	over range	over range	109.5	71.36
Lab Sent To	Pace Analytical				→
Date Sent	10-3-09				→
Sampled by	Ashley A. Weimer				→

Field Water Quality Form



Project Name FF/NN Landfill
Project Number 117-1011005.11
Location Ripon, WI
Samplers Ashley A. Weimer, Kevin F. Lincicum

Equipment Used
 Hanna pH/Conductivity Meter

Sample Point	MW-108/dup	MW-104	MW-112	P-102/dup	
Water Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date	11-4 -09	11-4 -09	11-4 -09	11-4 -09	10- -09
Time Sampled	12:15/12:20	14:10	12:45	15:00/15:05	
Depth to Water	27.32	52.80	54.79	19.94	
Depth to Bottom	30.36	55.90	60.47	61.71	
Purge Volume (gal)	2.0	2.0	4.0	25.0	
Depth Sample Taken	29.5	54.0	59.0	50.0	
Sampling Device	Dedicated Bailer	→			
Field Temp (C)	9.3	10.1	9.9	8.4	
Spf Cond (uS/cm @ 25C)	2156	1858	1627	824	
pH	7.12	6.71	7.14	7.05	
Color	clear	clear	clear	clear	
Odor	none	"swamp-like" smell	weak "swamp-like" smell	none	
Clarity	cloudy	clear	clear	clear	

Analyses Performed					
VOCs (40-mL glass, HCl, not filtered)	→				
Lab Sent To	Pace Analytical	→			
Date Sent	11-5 -09	→			
Sampled by	Ashley A. Weimer	→			

Field Water Quality Form



Project Name FF/NN Landfill
Project Number 117-1011005.11
Location Ripon, WI
Samplers Ashley A. Weimer, Kevin F. Lincicum

Equipment Used
Hanna pH/Conductivity Meter

Sample Point	Rohde	Gaastra	Perry/Watkins		
Water Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date	11-4-09	10-29-09	10-29-09		
Time Sampled	11:35	1420	1335		
Depth to Water	NT	NT	NT		
Depth to Bottom	NT	NT	NT		
Purge Volume (gal)	100	100	100		
Depth Sample Taken	NT	NT	NT		
Sampling Device	Outside Pump	Outside Spigot	Outside Spigot		
Field Temp (C) / DO	10.02 / 0.99	10.32 / 0.27	10.77 / 3.00		
Spf Cond (µS/cm @ 25C) / DO%	0.500 / 8.8	0.490 / 8.4	0.489 / 36.7		
pH / ORP	7.25 / -76	7.56 / -163	7.55 / -167		
Color	clear	clear	clear		
Odor	none	none	none		
Clarity	clear	clear	clear		

Analyses Performed					
VOCs (40-mL glass, HCl, not filtered)					→
Vacu-Vials <u>Nitrate</u>	0.12	0.11	0.05		
Vacu-Vials <u>Nitrite</u>	0.03	0.03	0.04		
Vacu-Vials <u>Iron 2</u>	0.36	0.98	2.73		
Vacu-Vials <u>Sulfide</u>	0.02	0.00	0.02		
Vacu-Vials <u>Sulfate</u>	19.88	16.04	15.18		
Lab Sent To	Pace Analytical				→
Date Sent	11-5-09	11-3-09	11-3-09		→
Sampled by	Ashley A. Weimer				→



Water Levels

FF/NN Landfill, Ripon, WI

Date: 10-28, 10-29, 11-4

Personnel: AAW, KFL

Well Name	TOC Elevation	Depth to Water	Comments
MW-101	884.80	62.12	10-29
P-101	885.26	62.63	10-29
MW-102	843.05	20.06	11-4 14:21
P-102	842.99	19.94	11-4 14:19
MW-103	872.42	51.59	10-28 16:05
P-103	872.92	50.30	10-28 16:07
P-103D	873.08	51.02	10-28 16:06
MW-104	875.15	52.62	11-4 13:50
P-104	875.48	52.80	11-4 13:51
MW-106	878.90	55.94	11-4 10:38
P-106	878.91	56.06	11-4 10:36
MW-107	871.78	52.41	10/28 11:07
P-107	871.38	52.04	10/28 11:07
P-107D	871.98	52.00	10/28 11:08
MW-108	845.25	27.32	11-4 12:01
P-108	845.61	24.55	11-4 12:03
MW-111	856.46	38.59	10-28 14:22
P-111	856.13	38.70	10-28 14:19
P-111D	855.79	35.64	10-28 14:20
MW-112	874.55	54.79	11-4 12:27
P-113A	833.09	13.69	10-28 10:59
P-113B	833.10	13.86	10-28 10:58
P-114 (Ehster)	839.35	20.36	10-29
P-115 (Wiese)	842.71	23.56	10-29
P-116 (Hadel)	845.34	27.58	10-29
MW-3A	850.77	29.90	10-28 10:46
MW-3B	851.04	29.98	10-28 10:45
LC-1	873.15		
LC-2	866.05		
LC-3	877.34		

ATTACHMENT D

**LANDFILL GAS EXTRACTION SYSTEM MONITORING
AND PRESSURE TESTING FIELD FORMS**

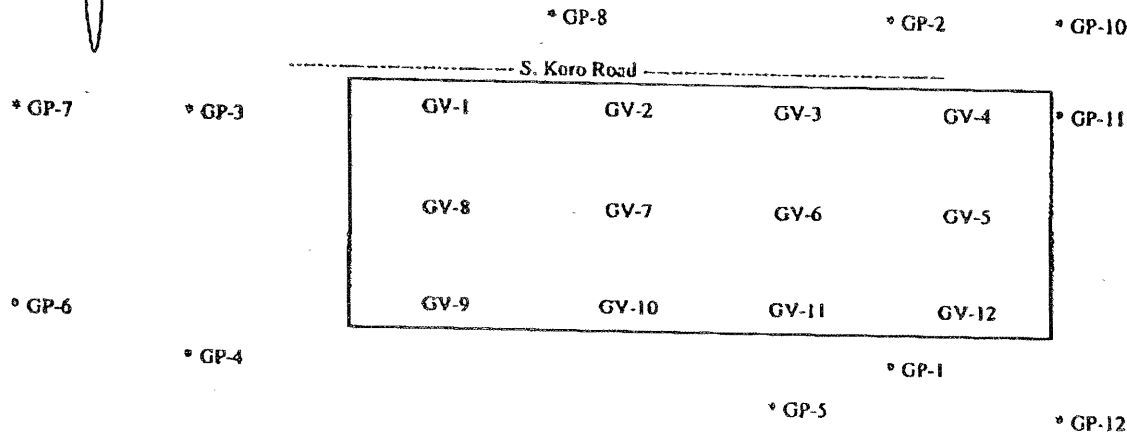
u
GAS PROBE DATA

Project: FF/NN Landfill
 Location: Ripon, Wisconsin
 Personnel: Jack Wendler

Barometric Pressure: 28.8 Hg
 Temperature (ambient): 74° F
 Measuring Device: Sage

LEL * 2 Gauge

Date	Time	Measurement Point	% CH ₄	% CO ₂	% O ₂	Vel (ft/min)	Pressure (in H ₂ O)	Comments
6.1.09	0930	Background	0 *	0.0	19.8	0		
	0935	LC-1	7.0	15.4	5.2	364		
	0945	LC-2	23.0	26.8	0.0	502		
	1010	LC-3	75 *	16.0	4.3	510		
		GV-1						
		GV-4						
	1005	GV-6	26 *	11.4	7.9	250		
		GV-7						
		GV-9						
		GV-12						
	1000	GP-1	0*/0*	6.6/0.8	6.1/14.2	<		



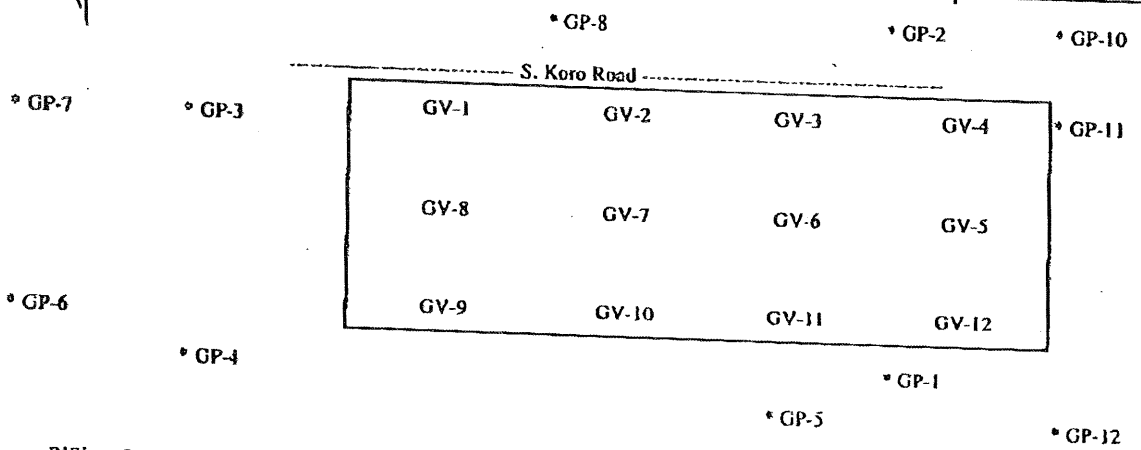
GAS PROBE DATA

Project: FF/NN Landfill
 Location: Ripon, Wisconsin
 Personnel: Jack Wendler

Barometric Pressure: 29.0 Hg
 Temperature (ambient): 70° F
 Measuring Device: Eagle

LEL* H₂ 1

Date	Time	Measurement Point	% CH ₄	% CO ₂	% O ₂	Vel (ft/min)	Pressure (in H ₂ O)	Comments
6.14.09	0830	Background	0*	0	20.0	0		
	0900	LC-1	5.0	18.8	1.5	402		
	0920	LC-2	23.5	27.4	0.0	382		
	0910	LC-3	7.5	16.0	5.3	335		
		GV-1						
		GV-4						
	0850	GV-6	34*	13.8	4.7	144		
		GV-7						
		GV-9						
		GV-12						
	0840/0950	GP-1	8*/0*	5.2/2.2	8.3/16.5	-	-	



GeoTrans
 Is this low reading, which has dropped over time due to the air leak in the vault?
 - Jac

GAS PROBE DATA

Project: FF/NN Landfill
 Location: Ripon, Wisconsin
 Personnel: Jack Wendler

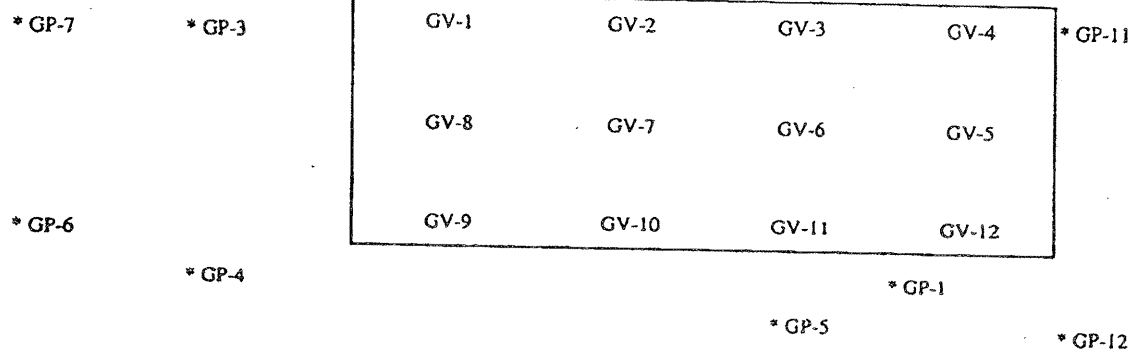
Barometric Pressure: 28.6 Hg
 Temperature (ambient): 60 F
 Measuring Device: Eagle

* LEL Gauge 2

Date	Time	Measurement Point	% CH ₄	% CO ₂	% O ₂	Vel (ft/min)	Pressure (in H ² O)	Comments
7-2-09		Background	0 *	0.0	19.5	0		
7-2-09	0825 0800							
	0845	LC-1	13.5	21.2	1.6	799		
	0900	LC-2	26.5	26.0	1.3	465		
	0855	LC-3	15.8	18.0	4.5	478		
		GV-1						
		GV-4						
	0840	GV-6	9.0	20.8	0.3	185		
		GV-7						
		GV-9						
		GV-12						
V	0830/0940	GP-1	0*/0*	3.2/0.0	15.1/19.8	+		

* GP-8 * GP-2 * GP-10

----- S. Koro Road -----



U11U212007 THU 10:40 FAX 7207404722

GAS PROBE DATA

Project: FF/NN Landfill
 Location: Ripon, Wisconsin
 Personnel: Jack Wendler

Barometric Pressure: 29.1 Hg
 Temperature (ambient): 54 F
 Measuring Device: Eagle

*LEL **

Gauge 2

Date	Time	Measurement Point	% CH ₄	% CO ₂	% O ₂	Vel (ft/min)	Pressure (in H ₂ O)	Comments
7-13-09	0715	Background	0 *	0.0	20.0	0		
	0730	LC-1	7.0	12.6	8.6	252		
	0745	LC-2	32.0	28.6	0.0	539		
	0735	LC-3	15.5	19.0	4.4	531		
		GV-1						
		GV-4						
	0725	GV-6	11.5	23.0	0.0	185		
		GV-7						
		GV-9						
		GV-12						
7-14	0720/0840	GP-1	19.0/0 *	7.4/0.8	8.9/18.9	-		

* GP-8

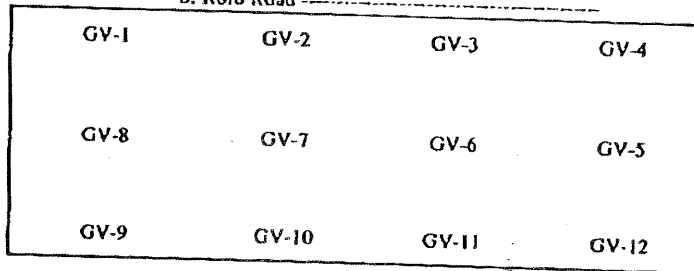
* GP-2

* GP-10

S. Koro Road

* GP-7

* GP-3



* GP-11

* GP-6

* GP-4

* GP-1

* GP-5

* GP-12



GAS PROBE DATA

Project: FF/NN Landfill
 Location: Ripon, Wisconsin
 Personnel: Jack Wendler

Barometric Pressure: 28.9 Hg
 Temperature (ambient): 62° F
 Measuring Device: Boyle

* LEL Gauge Hg - 2

ft/min

Date	Time	Measurement Point	% CH ₄	% CO ₂	% O ₂	Comments / Veloc
7-22-09	0715	Background	0*	0.0	19.8	0
	0820	LC-1	5.0	20.4	1.3	547
	0830	LC-2	33.9	28.6	0.0	823
	0835	LC-3	11.5	18.0	4.8	709
	1057	MW-101	0*	0.0	19.4	
	1135	MW-102	0*	1.8	16.1	
	1032	MW-103	0*	0.4	19.2	
	0750	MW-104	0*	0.0	19.6	
		GV-1				
		GV-4				
	0825	GV-6	90*	16.2	4.4	179
		GV-7				
		GV-9				
		GV-12				
-	0720/0845	GP-1	1.4/0*	58/0.0	11.3/19.3	
	1040	GP-2	0*	0.8	18.9	
	0840	GP-3	0*	0.4	19.1	
	1037	GP-4	0*	0.6	18.9	
	0730	GP-5	0*	7.8	13.0	
	1020	GP-6	0*	8.6	17.1	
	1015	GP-7	0*	0.4	19.1	
	1027	GP-8	0*	0.8	18.8	
	1047	GP-10	0*	2.8	17.2	
	1053	GP-11	0	2.0	18.1	
	0735	GP-12	0*	2.4	17.9	
	0744	Leg 1	7.0	21.2	1.0	
	0743	Leg 2	11.5	18.0	5.0	
	0742	Leg 3	0*	0.0	19.5	
	0740	Exhaust	5.0	7.8	12.8	

* GP-8

* GP-2

* GP-10

S. Koro Road

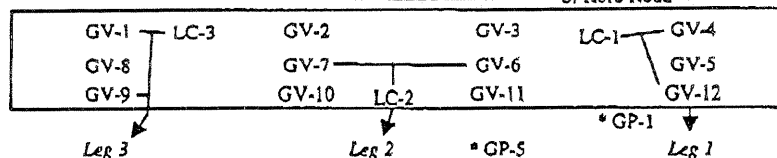
* GP-7

* GP-3



* GP-6

* GP-4



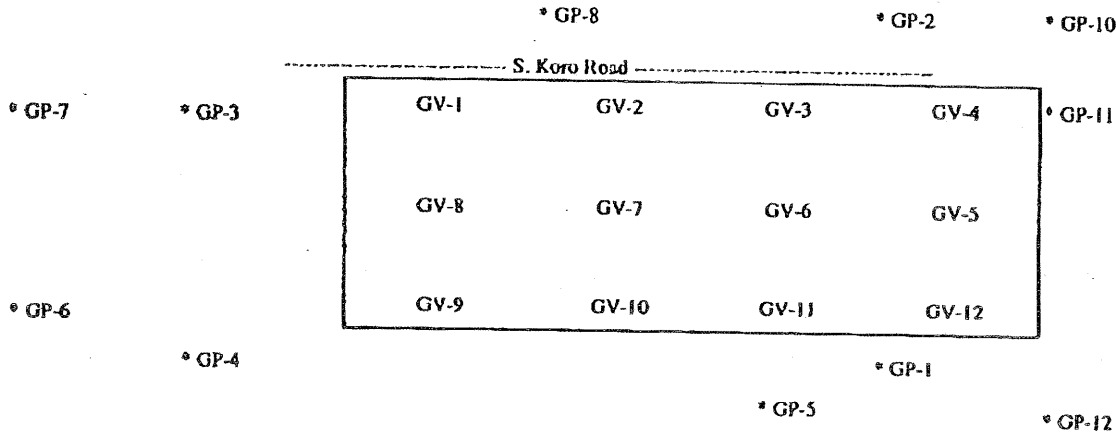
GAS PROBE DATA

Project: FF/NN Landfill
 Location: Ripon, Wisconsin
 Personnel: Jack Wendler

Barometric Pressure: 29.0 Hg
 Temperature (ambient): 68° F
 Measuring Device: Eagle

LEL * Gauge 2 Hg

Date	Time	Measurement Point	% CH ₄	% CO ₂	% O ₂	Vel (ft/min)	Pressure (in H ₂ O)	Comments
8-11-09	0830	Background	0	0.0	19.8	0	-	
	0850	LC-1	91*	17.4	4.1	621	-	
	0910	LC-2	31	29.0	8.0	547	-	
	0900	LC-3	9.0	17.2	4.7	468	-	
		GV-1						
		GV-4						
	0840	GV-6	38*	11.8	7.7	266	-	
		GV-7						
		GV-9						
		GV-12						
	0835/0940	GP-1	0*/0*	3.4/8.8	14.7/7.6	-	-	



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GAS PROBE DATA

Project: FF/NN Landfill
 Location: Ripon, Wisconsin
 Personnel: Jack Wender

Barometric Pressure: 29.1 Hg
 Temperature (ambient): 67° F
 Measuring Device: Engel

LEL *

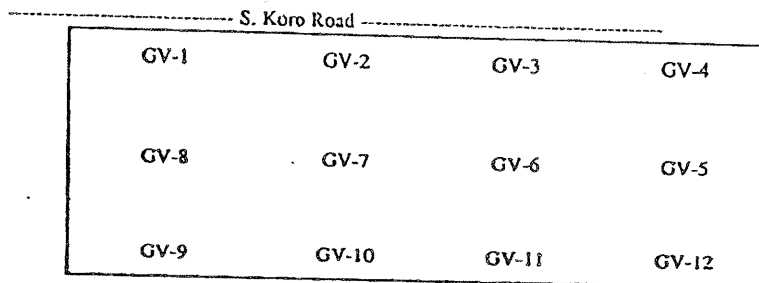
Gauge 2 Hg

Date	Time	Measurement Point	% CH ₄	% CO ₂	% O ₂	Vel (ft/min)	Pressure (in H ₂ O)	Comments
8-24-09	0820	Background	0	0.0	20.0	0		
	0845	LC-1	85*	16.8	4.5	754		
	0900	LC-2	27.5	29.0	0.0	1224		
	0850	LC-3	7.0	15.8	5.7	557		
		GV-1						
		GV-4						
	0840	GV-6	35*	11.4	7.9	224		
		GV-7						
		GV-9						
		GV-12						
	0830/0935	GP-1	0*/φ*	3.6/15.6	14.7/0.3			

* GP-8

* GP-2

* GP-10



* GP-7

* GP-3

* GP-11

* GP-6

* GP-4

* GP-1

* GP-5

* GP-12

GAS PROBE DATA

Project: FF/NN Landfill
 Location: Ripon, Wisconsin
 Personnel: Jack Wender

Barometric Pressure: 29.1 Hg
 Temperature (ambient): 66 F
 Measuring Device: Eagle

* Lel

Gauge 2 Hg

Date	Time	Measurement Point	% CH ₄	% CO ₂	% O ₂	Vel (ft/min)	Pressure (in H ² O)	Comments
9.8.09	0900	Background	0*	0.0	19.9	0		
	0925	LC-1	10.0	21.6	0.6	386		
	0945	LC-2	30.5	29.6	0.0	386		
	0935	LC-3	12.0	17.4	4.8	876		
		GV-1						
		GV-4						
	0915	GV-6	7.0	18.4	1.6	157		
		GV-7						
		GV-9						
		GV-12						
	0905/1045	GP-1	40*/29*	7.8/14.6	9.4/2.4	-	-	

* GP-8

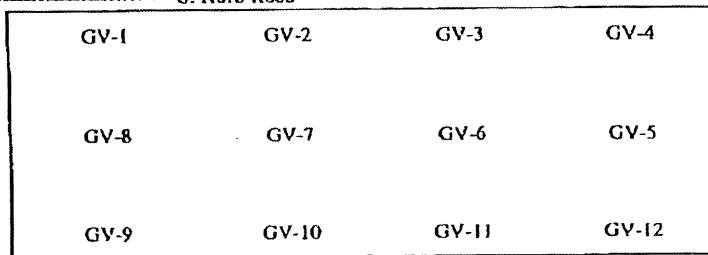
* GP-2

* GP-10

----- S. Koro Road -----

* GP-7

* GP-3



* GP-11

* GP-6

* GP-4

* GP-1

* GP-5

* GP-12

01/08/2010 09:08 19207482882 WASTE WATER 07/07

GAS PROBE DATA

Project: FF/NN Landfill
 Location: Ripon, Wisconsin
 Personnel: Jack Wender

Barometric Pressure: 29.0 Hg
 Temperature (ambient): 57 F
 Measuring Device: Sage

Gauge 2 Hz

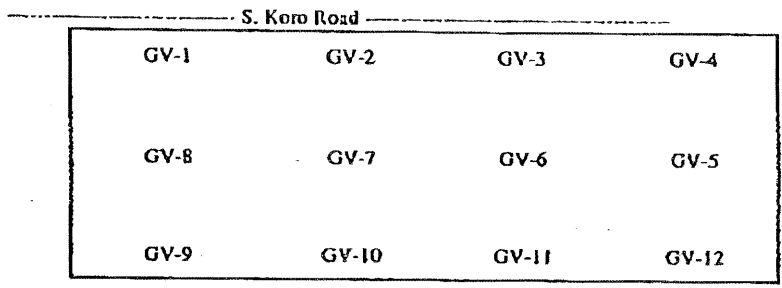
LEL*

Date	Time	Measurement Point	% CH ₄	% CO ₂	% O ₂	Vel (ft/min)	Pressure (in H ₂ O)	Comments
9.21.09	0900	Background	0 *	0.0	19.6	0	-	
	0920	LC-1	15.0	23.8	0.0	555	-	
	0938	LC-2	30.5	27.0	1.5	342	-	
	0928	LC-3	14.5	18.6	4.8	943	-	
		GV-1						
		GV-4						
	0910	GV-6	16.0	22.4	0.4	155	-	
		GV-7						
		GV-9						
		GV-12						
	0905/1013	GP-1	38*/6*	6.0/1.8	12.1/17.6		-	

* GP-8

* GP-2

* GP-10



* GP-7

* GP-3

* GP-11

* GP-6

* GP-4

* GP-1

* GP-5

* GP-12



GAS PROBE DATA

Project: FF/NN Landfill
 Location: Ripon, Wisconsin
 Personnel: Jack Bondler

Barometric Pressure: 29.2 Hg
 Temperature (ambient): 52 F
 Measuring Device: Zagle

LEL*

Gauge 2 Hg

Date	Time	Measurement Point	% CH ₄	% CO ₂	% O ₂	Vel (ft/min)	Pressure (in H ₂ O)	Comments
10.5.09	1000	Background	0	0.0	19.0	0	-	
	1015	LC-1	15.8*	23.8	19.70.1	354	-	
	1040	LC-2	38.5	30.8	0.0	437	-	
	1025	LC-3	10.5	19.2	4.9	740	-	
		GV-1						
		GV-4						
	1209	GV-6	9.5	19.8	2.0	154	-	
		GV-7						
		GV-9						
		GV-12						
	1005/1130	GP-1	0*/2.4	58/15.0	12.9/0*	-	-	

* GP-8

* GP-2

* GP-10

S. Koro Road

* GP-7

* GP-3

GV-1

GV-2

GV-3

GV-4

* GP-11

GV-8

GV-7

GV-6

GV-5

* GP-6

GV-9

GV-10

GV-11

GV-12

* GP-4

* GP-1

* GP-5

* GP-12

Kevin: if you
 have trouble reading
 LC-1 they are:
 % CH₄ - 15.8
 % CO₂ - 23.8
 % O₂ 0.1



GAS PROBE DATA

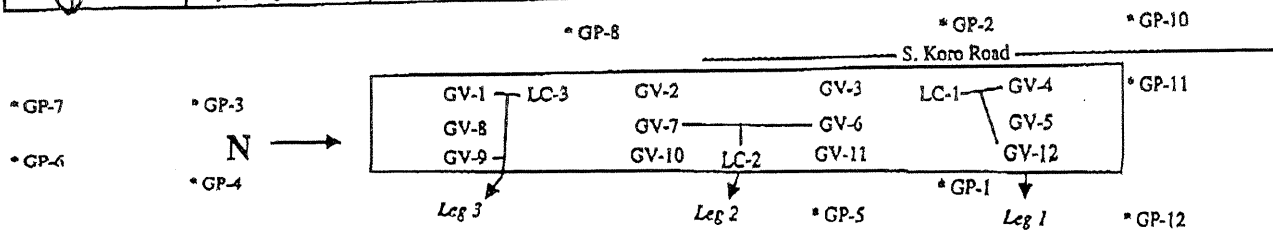
Project: FF/NN Landfill
 Location: Ripon, Wisconsin
 Personnel: Jack Jander

Barometric Pressure: 28.9 Hg
 Temperature (ambient): 48 F
 Measuring Device: Engle

* LEL

Gauge 2 Hg

Date	Time	Measurement Point	% CH ₄	% CO ₂	% O ₂	velocity Comments
10-28-09	0900	Background	0	0.0	19.9	0
	1000	LC-1	16.0	23.2	1.3	283
	1050	LC-2	43.5	31.8	0.0	687
	1105	LC-3	18.5	20.4	4.7	468
	1016	MW-101	0 *	0.6	19.6	
	1025	MW-102	0	2.6	17.4	
	0927	MW-103	0 *	0.0	19.8	
	0948	MW-104	0 *	0.0	20.0	
		GV-1				
		GV-4				
	1055	GV-6	12.5	20.8	1.6	155
		GV-7				
		GV-9				
		GV-12				
	1030/1130	GP-1	0*/0 *	3.8/0.2	14.2/19.3	
	1005	GP-2	0 *	2.2	18.1	
	0924	GP-3	0 *	0.2	19.5	
	0933	GP-4	0 *	0.6	19.3	
	1020	GP-5	0 *	5.6	14.4	
	0910	GP-6	0 *	2.6	17.2	
	0905	GP-7	0 *	1.4	18.2	
	1000	GP-8	0 *	1.8	17.8	
	1005	GP-10	0 *	2.8	17.5	
	1011	GP-11	0 *	2.4	17.9	
	1115	GP-12	0 *	3.2	16.4	
	1044	Leg 1	14.0	22.6	1.5	
	1042	Leg 2	19.5	23.0	2.2	
	1040	Leg 3	16.5	20.2	4.8	
	1035	Exhaust	6.5	7.4	13.9	



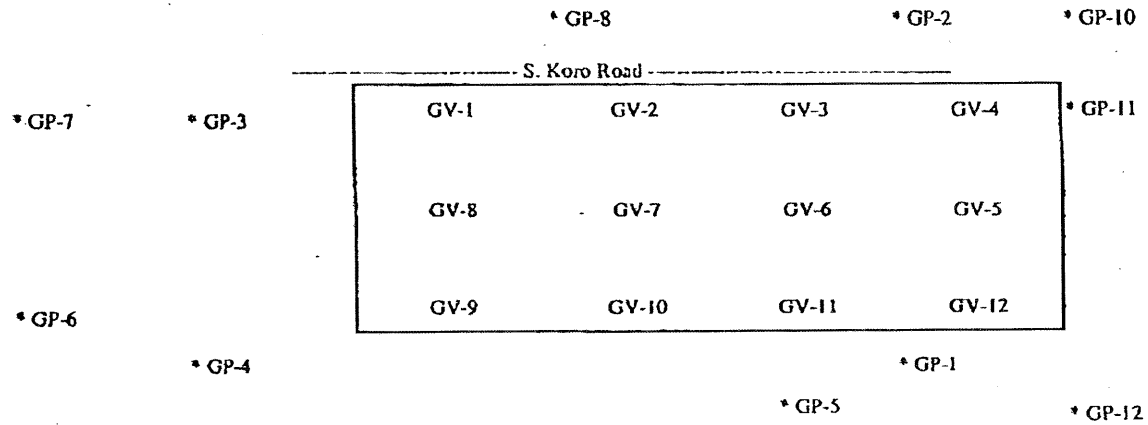
GAS PROBE DATA

Project: FF/NN Landfill
 Location: Ripon, Wisconsin
 Personnel: Jack Wendler

Barometric Pressure: 29.3 Hg
 Temperature (ambient): _____ F
 Measuring Device: Eagle
20 gauge Hg

** LEL*

Date	Time	Measurement Point	% CH ₄	% CO ₂	% O ₂	Vel (ft/min)	Pressure (in H ₂ O)	Comments
11.16.09	1030	Background	0*	0.0	20.4	-	-	
	1050	LC-1	7.5	21.8	0.8	-	-	
	1115	LC-2	40.0	30.6	0.6	-	-	
	1105	LC-3	12.5	18.6	5.5	-	-	
		GV-1						
		GV-4						
	1045/	GV-6	0* 15.5	2.4 4.5	16.5 16.0	-	-	
		GV-7						
		GV-9						
		GV-12						
	1035/1140	GP-1	0*/0*	2.4/12.8	16.5/3.2			



01/08/2010 09:08 19207482888 WASIEWICZ

GAS PROBE DATA

Project: FF/NN Landfill
 Location: Ripon, Wisconsin
 Personnel: Jack Wender

Barometric Pressure: 29.2 Hg
 Temperature (ambient): 24 F
 Measuring Device: _____

* LEL

Gauge 2 Hg

12-18-09 Date	Time	Measure- ment Point	% CH ₄	% CO ₂	% O ₂	Vel (ft/min)	Pressure (in H ² O)	Comments
12-18-09	0900	Background	0*	0.0	20.0			
	0925	LC-1	30.5	22.8	0.0	-		Adapter does not fit. Replace adapter on larger section of pipe @ 1100 and take 6 readings
	0930	LC-2	44.5	33.0	0.1			
	0935	LC-3	25.0	23.2	4.0			
		GV-1						
		GV-4						
	0915	GV-6	24.0	23.8	0.0			
		GV-7						
		GV-9						
		GV-12						
	0905/0910	GP-1	0*/4*	3.2/1.6	14.4/18.6	-	-	

* GP-8

* GP-2

* GP-10

S. Koro Road

* GP-7

* GP-3

GV-1

GV-2

GV-3

GV-4

* GP-11

GV-8

GV-7

GV-6

GV-5

* GP-6

GV-9

GV-10

GV-11

GV-12

* GP-4

* GP-1

* GP-5

* GP-12

GAS PROBE DATA

Project: FF/NN Landfill
 Location: Ripon, Wisconsin
 Personnel: Jackwendler

Barometric Pressure: 28.9 Hg
 Temperature (ambient): 22° F
 Measuring Device: _____

* LEL Gauge 2 Hg

Date	Time	Measurement Point	% CH ₄	% CO ₂	% O ₂	Vel (ft/min)	Pressure (in H ₂ O)	Comments
12-28-09	0833	Background	0*	0.0	19.8	-	-	
	0910	LC-1	37.0	27.0	0.0	-	-	
	0950	LC-2	49.0	33.2	0.0	-	-	
	0920	LC-3	25.0	22.4	5.0	-	-	
		GV-1						
		GV-4						
	0900	GV-6	21.5	25.0	0.0			
		GV-7						
		GV-9						
		GV-12						
	0840/0950	GP-1	0*/3*	1.0/0.0	18.4/20.0	-	-	

* GP-8

* GP-2

* GP-10

----- S. Koro Road -----

* GP-7

* GP-3

GV-1

GV-2

GV-3

GV-4

* GP-11

GV-8

GV-7

GV-6

GV-5

* GP-6

* GP-4

GV-9

GV-10

GV-11

GV-12

* GP-1

* GP-5

* GP-12

GEOTRANS, INC. PRESSURE TESTING FORM

Project Number: 117-2202.040

Project Name: FF/NN Landfill

Location: Ripon WI

Personnel: KFL

Well ID: Leg 2

Date: 8/28/09

Time elapsed minutes	Pressure PSI	Comments
0	5	12:49
1	5	
2	4.9	
3	4.9	
4	4.8	
5	4.7	
6	4.6	
7	4.5	
8	4.4	
9	4.3	
10	4.2	12:59

ATTACHMENT E
LANDFILL CAP INSPECTION FORM



FF/NN Landfill Site Inspection Form

Inspector: AAW, KFL

Date: 11-4-09

Type of inspection (circle): monthly **quarterly** semi-annual annual severe weather

	Good	Fair	Poor	Comments
1. Vegetative cover (condition, trees or bushes on cap)	✓			
2. Soil stability (erosion control)	✓			
3. Cover integrity (no exposed waste or ruts)	✓			
4. Surface water drainage (settlement or ponding)	✓			
5. Surface seep control	✓			
6. Unauthorized access control (fence, gates, locks, signs, vandalism)	✓			
7. Groundwater well maintenance (seals, casing, labels)	✓			
8. Gas vents	✓			
9. Drainage layer discharge pipes	✓			
10. Other activities on or adjacent to landfill	✓			
11. Additional comments				
12. Items to be observed in future inspections				
13. Recommended maintenance activities				