

# Meridian Environmental Consulting, LLC

September 23, 2016

Carrie Stoltz
Wisconsin Department of Natural Resources
107 Sutliffe Avenue
Rhinelander, Wisconsin 54501-3349

Subject:

Soil and Ground Water Investigation Report

Donald Store (former) W16623 County Highway M

Gilman, Wisconsin 54433 PECFA No. 54433-9441-23 DNR BRRTS No. 03-61-168145

Meridian No. 05F813

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SEP 25 2016

Dept of Natural Resources Rhinelander Service Center

#### Dear Carrie:

This report summarizes the site investigation work completed at this site. Soil borings and monitoring wells were installed and soil and ground water samples collected.

Based on the results of the site investigation, we recommend:

- Source soils should be excavated
- A downgradient monitoring well nest should be installed
- Hydraulic conductivity measurements (slug tests) should be completed
- Ground water sampling after the excavation
- Install cover on Stangret well so it can be used as piezometer
- Letter Report

The remainder of this report summarizes the work completed to date and presents our conclusions and recommendations.

#### **BACKGROUND INFORMATION**

#### Site Description

The property referred to as the "Donald Store (former)" is located north of Gilman, Wisconsin (Taylor County, Pershing Township) in the former unincorporated community known as Donald (Figure 1). The property is about 1/3 acre in size located at the intersection of County Highway M and Loop Road (Figure 2). The site address is W16623 County Highway M, Gilman, Wisconsin 54433.

At one time (late 1800's to mid-1900s), Donald was a small logging and agricultural community. All that remains is a residence (former Diamond residence) and several buildings (e.g., Pershing Township 'Town Hall', maintenance garage).

The property is bounded on the north side by County Hwy. M, Loop Road on the west, and other small lots to the south and east. A vacant building (former church) is located immediately south of the property. An active railroad track is located about 100 feet east of the site.

There was a tavern located adjacent to the store. It burned down several (10?) years ago.

The property was formerly used as a small store and gasoline was sold from an underground storage tank system. The store closed in the late 1990s and the tanks removed August 1997. Petroleum impacts were detected when the tanks were removed. The store building burned down several (5?) years ago.

#### Summary of Environmental Work

In June 1993, petroleum contamination was discovered in a private well located at the nearby property referred to as the Ruth Diamond residence (W16653 County Highway M)(Figure 2). Monitoring wells and soil borings were installed to determine the extent of these impacts. Figure 2 illustrates the monitoring well network installed. Appendix A contains summary data from the monitoring well sampling.

Three potential sources for these petroleum impacts were identified.

- The Diamond property reportedly sold gasoline at one time (over 30 40 years ago?). No records or pictures have been found documenting this. No soil contamination has been encountered on this property.
- The property on the north side of County Highway M (referred to as"Webster Pig Farm") sold gasoline at one time. This property is currently owned by Taylor County.
- The Donald Store (former) sold gasoline. This property is currently owned by the Sylvia Webster Estate.

The Webster Pig Farm is an open PECFA site (PECFA No. 54433-9429-94). A UST was found in front of the building and removed in 1998. A remedial action was conducted at the Pig Farm in 2014 consisting of the removal of 670 tons of impacted soil. The site is currently in a ground water monitoring program.

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The DNR hired Cedar Corporation to install three Geopro be soil borings (C1, C2, C3)(Figure 3) at the Donald store in 2007. The results of this work are described in Appendix B and summarized in Table 1. Petroleum impacted soil was encountered. 'Grab samples' of ground water were collected from the borings.

Meridian installed a Geoprobe boring (GP-8) in the former tank area October 18, 2012. The soil boring log is provided in Appendix C. A soil sample was collected from 4 feet depth and analyzed for PVOC+Naphthalene (Table 1). Not to Exceed Direct Contact (NTEDC) levels were exceeded within 4 feet of grade.

No other environmental work was completed at this site until 2016.

#### Potable Wells

Residents in the area rely on private wells for water supply. The well logs for several private wells in the area are provided in Appendix D and described below.

• Donald Store well (W16623 County Road M)

The Donald Store reportedly had a well (sand point?). The store has burned down and the well head has not been located in the wreckage.

• Ruth Diamond Property (W16653 County Road M)

This property had three wells installed in the 1990s. Apparently a "dug well" originally supplied water for the Diamond residence. A new well (ID No. FN480 – see well log in Appendix D) was installed in the fall of 1992 along the east side of the house (Figure 2). Almost immediately, petroleum odors were detected in the water from this new well. The DNR sampled the water July 7, 1993 and measured significant petroleum impacts. This well was abandoned in September 1997.

A new well (LA678 – see well log in Appendix D) was installed in 1997 to a depth of 385 feet (exact location unknown but believed to be on west side of house). The well was sampled and also found to contain petroleum contaminants. This well was later abandoned (August 31, 2001).

The property currently uses a shallower well (33 feet deep)(LB523 – installed 1998) located at the northwest corner of the property (Figure 2). This well has very low water production (less than 1 gpm). No petroleum impacts have been measured in ground water samples from this well.

• Pig Farm well (W16640 County Road M)

This well is still in place. No well log is available. The well is 35 feet deep.

• Old Church Well (N6070 Loop Road)(owned by Stangret)

There is a well located at the old church (also referred to as 'Stangret' property). This well was measured as 55 feet deep. No well log is available. A pump is believed to still be in this well. The well head is not capped and is open to the atmosphere. This should be corrected.

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#### • Town Hall well (W16654 County Road M)

A well was drilled in 2008 at the Town Hall (well log in Appendix D). The well log (UR078) is provided in Appendix D.

#### Donald School

The former Donald School was located about ½ mile east of the site. The log for the school well is provided in Appendix C. The school building no longer exists.

#### SITE INVESTIGATION

#### Soil Borings

Geoprobe borings GP-1 through GP-6 were installed February 18, 2016 in the locations shown on Figure 3. The soil boring logs are provided in Appendix C.

Selected soil samples were collected from the borings. The analytical reports are provided in Appendix E and summarized in Table 2.

#### Monitoring Wells

Monitoring wells MW-D1 and MW-D2 were installed February 18, 2016 in the locations shown on Figure 3. The soil boring logs and monitoring well forms are provided in Appendix C.

The wells elevations and locations were surveyed relative to the existing monitoring well network (Webster Pig Farm).

#### **Ground Water Sampling**

Ground water samples were collected March 9 and June 21 from monitoring wells MW-D1, MW-D2, MW-800, P-800 (Figure 3). A sample was also collected from the Stangret well during the June sampling event.

The analytical reports are provided in Appendix E and summarized in Table 1.

The depth to ground water was measured during each sampling event. The measurements are summarized in Table 3.

Natural attenuation parameters (dissolved oxygen (DO), pH, temperature, conductivity, oxidation reduction potential (OR P)) were measured in the field during each sampling event. The measurements are summarized in Table 4.

The concentrations of benzene, TMB (trimethlybenzenes), and naphthalene in MW-D2 exceed NR140 Enforcement Standards. The concentrations also appear to increase between March and June.

#### **DATA EVALUATION**

#### **Hydrogeology**

The region is characterized by a layer of glacial sediments overlying bedrock (described as 'granite' in drill logs). Bedrock is about 50 feet below grade based on potable well log LA678 (Appendix D).

The topography is flat with numerous swamps and wetlands. Regional drainage is southwesterly. The land is used primarily for farming.

Figure 4 is a cross-section based on the soil boring and potable well logs from the Webster Pig Farm site investigation work as well as the Donald Store investigation. The glacial sediments consist primarily of fine-grained silty-sand with a varying clay fraction. Sand layers are found ranging in thickness from several inches to several feet are water-bearing and provide potable water.

Ground water is typically within 5 - 10 feet of the land surface. Ground water flow is southeasterly based on data collected to date (Figure 5). The water level data indicate a downward vertical gradient.

#### **Extent of Impacted Soil**

The data from borings GP-1, GP-2, and GP-8 indicate impacted soil in the former tank and pump area. The concentrations exceed Soil to Ground Water Residual Contaminant Levels (RCLs). The concentrations in GP-8 exceed Direct Contact levels.

The estimated extent of impacted soil is illustrated in Figure 6. The impacts appear to extend to a depth of about 10-15 feet.

Because of the ground water contamination experienced by the nearby private well (Diamond), it is our recommendation the impacted source soils be excavated to the extent practicable. We estimate 600 tons (25 ft x 25 ft x 15 ft – Figure 6) of impacted soil should be removed.

#### Extent of Impacted Ground Water

The extent of impacted water is generally defined as illustrated in Figure 7. The ground water level measurements suggest flow is southeasterly. A water table monitoring well should be installed along the eastern edge of the property to confirm the eastern extent of impacted ground water. A piezometer should be nested with this well due to the downward vertical gradient.

The monitoring wells MW-D1 and MW-D2 were screened from 10 to 20 feet below grade based on previous measurements in MW-800 (Table 3). However, the depth to water was about 6 feet below grade during the March and June sampling events. This is due to higher precipitation during the past year. The higher water levels have submerged the well screens which may be diluting the sampling data. As ground water levels fall during drier conditions, the concentrations may increase. This is typical of ground water monitoring data, i.e., water levels affect the concentrations measured.

Soil and Ground Water Investigation Report Donald Store (former) Page 6 Vapor Intrusion

There are no buildings or subsurface structures which might be affected by vapors from the impacted soil or ground water.

#### CONCLUSIONS AND RECOMMENDATIONS

- The site is underlain by approximately 50 feet of fine-grained sediments (silty sand) overlying granite bedrock.
- Ground water is found within 10 feet of grade. Ground water flow is southeasterly although more measurements are needed to confirm this initial interpretation.
- There is impacted source soils in the former tank and pump area.
- There is impacted ground water in the former tank and pump area.
- There are no vapor intrusion concerns at this site.

#### We recommend the following remedial actions:

- The impacted source soil in the former tank and pump area should be excavated. We estimate approximately 600 tons of soil should be excavated (25 ft x 25 ft x 15 ft). MW-D2 will be removed as part of this excavation.
- After the soil is excavated, a replacement monitoring well should be installed in the MW-D2 location.
- A monitoring well should be installed along the east side of the site to complete the lateral definition of impacted ground water. A piezometer should be nested with this well.
- We are utilizing the Stangret private well as a downgradient piezometer. The well head is non-standard and open to the atmosphere. We recommend a lid be attached to the well-head to allow its continued use as a piezometer.
- The monitoring well network (MW-D1, MW-D2R, MW-800, P-800, Stangret private well, new piezometer) should be sampled two quarters after the excavation.
- Hydraulic conductivity tests should be conducted in 4 wells.
- After the two quarters of ground water sampling, a Letter Report will be prepared which summarizes the work completed and our recommendations.

Soil and Ground Water Investigation Report Donald Store (former) Page 7 Please contact me with any comments or questions.

Sincerely,

MERIDIAN ENVIRONMENTAL CONSULTING, LLC

Kenneth Shimko, PG Project Manager



Table 1: Summary of Soil Data - Previous Work Former Donald Store Gilman (Donald), Wisconsin Meridian No. 05F813

| Sample                        | Depth                      | Date                     | Benzene                                | Ethylbenzene       | MTBE         | Naphthalene           | Toluene         | 1,2,4-TMB                              | 1,3.5-TMB      | Total TMB             | m&p Xylenes    | o-Xylenes                                    | Total Xylene        |
|-------------------------------|----------------------------|--------------------------|--|--------------------|--------------|-----------------------|-----------------|--|----------------|-----------------------|----------------|--|---------------------|
| Units                         | ft                         |                          | l ug/kg l                              | ug/kg 1            | ug/kg -      | ug/kg                 | ug/kg           | l ug/kg                                | ug/kg          | ug/kg                 | ug/kg          | ug/kg  | ug/kg 1             |
| Soil standa                   | rds                        |                          | <u> </u>                               |                    |              |                       |                 | 1                                      |                |                       |                |  |                     |
| NTEDC                         |                            |                          | 1490                                   | 7470               | 59400        | 5150                  | 81800           | 89800                                  | 182000         |                       |                |  | 258000              |
| RCL (soil to                  | GW)                        |                          | l 5                                    | 1570               | 27           | 659                   | 1107            | 1 :                                    |                | ]                     |                |  | 3940                |
|                               |                            |                          | 1 1                                    |                    |              | 1                     |                 | 1                                      | l .            | 1 -                   | ,              |  | 1                   |
| Samples co                    | ollected by                | Northern Envi            | ronmental                              | (1997)             |              |                       |                 | j .                                    | İ              | ]                     |                |  |                     |
| 1                             |                            |                          | 1 1                                    | · ·                | ,            |                       | }               | }                                      | ,              | 1 .                   |                |  | 1                   |
| PZ800                         |                            |                          | 1 1                                    |                    |              |                       |                 | 1                                      | 1              | 1                     |                |  |                     |
| P <b>Z</b> 802                | 4-6                        | 6/10/1997                | 1 <16 h                                | <3.7               |              | <12                   | <9.1            | <5.2                                   | l <8.1         | <b>  &lt;</b> 8.1     |                |  | <18.9               |
| PZ814                         | 28-30                      | 6/10/1997                | <16                                    | <3.7               |              | <12                   | <b>&lt;</b> 9.1 | ] <5.2                                 | <8,1           | <b>  &lt;</b> 8.1     |                | l i  | <18.9               |
| 1 .                           |                            |                          | 1 1                                    |                    |              |                       |                 | 1                                      | l              | )                     |                |  |                     |
| Cedar Corp                    | Geoprob                    | e Borings in fro         | ont of Dona                            | ald Store (April 2 |              |                       |                 | ļ                                      | l              | }                     |                |  |                     |
| G1                            | 4                          | 4/6/2007                 | 35                                     | 120                | <30          | 360                   | <30             | 420                                    | 420            | 840                   |                | 1  | 330                 |
| G1                            | 10.5                       | 4/6/2007                 | <30                                    | 70 l               | <30          | 220                   | <30             | 270                                    | 530            | 800                   |                | ]  | 130                 |
| G1 (water)                    | 10,5                       | 4/11/2007                | <.2                                    | <.5                | <.5          | 0.4                   | <.2             | 0.28                                   | 10             | 10.28                 |                |  | <.5                 |
| G2                            | 8                          | 4/6/2007                 | <28                                    | <28                | <28          | <55                   | <28             | 50                                     | <28            | 50                    |                | 1  | <94                 |
| G2                            | 10                         | 4/6/2007                 | <30                                    | <30                | <30          | 62                    | <30             | 250                                    | 120            | 370                   |                |  | 210                 |
| G2 (water)                    |                            | 4/6/2007                 | 1 1                                    | 0.88               | <.5          | 39                    | 4.5             | 77                                     | 23             | 100                   | <u> </u>       | l  | 190                 |
| <u>  G3</u>                   | 4                          | 4/6/2007                 | <31                                    | <31                | <31          | <61                   | <31             | <31                                    | <31            | <31                   |                | l  | <100                |
| l G3                          | 10                         | 4/6/2007                 | <29                                    | <29                | <29          | <b>&lt;</b> 57        | <29             | <29                                    | <29            | <29                   |                | !  | <b>  &lt;97  </b>   |
| G3 (water)                    | 10                         | 4/11/2007                | <20                                    | <,5                | <,5          | <.25                  | <.2             | <.2                                    | 1 <.2          | <.2                   |                |  | <.5                 |
| 1                             |                            |                          | 1 1                                    |                    |              |                       |                 | 1                                      | <u> </u>       | <u> </u>              |                |  |                     |
|                               |                            | talled by Merid          |  |                    |              |                       | ļ               | l .                                    | 1              | !                     |                | 1  |                     |
| *GP-8: 4'                     | 4                          | 10/18/12                 | 388                                    | 14100              | <250         | 9690                  | 17700           | 61300                                  | 21000          | 82300                 | 68500          | 30100  | 98600               |
| * GP-8 installe               | d in front of D            | onald Store              | 1 1                                    |                    |              |                       | <u> </u>        | <u>ļ</u>                               | <u> </u>       | <u> </u>              |                | <u>.                                    </u> |                     |
|                               |                            | l                        | <u> </u>                               | 12 22 (2)          |              |                       | 1               | <u>!</u>                               | 1              | 1 .                   | !              |  |                     |
|                               |                            | stalled by Meri          |  |                    |              | <del>.</del>          | <u> </u>        | 1                                      | 1              | 1 10500               | <u> </u>       | }  |                     |
| 11:3-4                        | 3-4                        | 2/18/2016                | 1 <100                                 | 757                | <100         | 1790                  | 188             | 13100                                  | 6620           | 19700                 | 3380           | 1960   | 5340                |
| 1:7-8                         | 7-8                        | 2/18/2016                | 185                                    | 262                | <25          | 120                   | 43.1            | 406                                    | 136            | 542                   | 464            | 166  | 629                 |
| 1:10                          | 10                         | 2/18/2016                | 182                                    | 383                | <25          | 158                   | <25             | 466                                    | 155            | 621                   | 522            | 156  | 678                 |
| 11:14                         | 1 14                       | 2/18/2016                | <25                                    | 76.5               | <25          | 49.6                  | 81.9            | 295                                    | 1 . 104        |                       | 396            | 148  | 544<br>  <75        |
| 1:19-20                       | 1 19-20                    | 2/18/2016                | <25                                    | <25                | <25<br><125  | <25                   | <25<br>  364    | 1 <25<br>1 11600                       | <25            | <50<br>  <b>23600</b> | <50<br>2940    | <25  | 4230                |
| 2:3-4<br>  2:7-8              | 3-4                        | 2/18/2016                | 282  <br>  <500                        | 2730<br>30900      | <125<br><500 | 4230                  | 1520            | 169000                                 | 12000<br>61300 | 231000                | 1 2940         | 1300   | 160000              |
|                               | 7-8                        | 2/18/2016                |  |                    | <25          | 18800<br><25          |                 |  |                | <50                   | <50            |  | <75                 |
| 2:11-12<br>  2:15-16          | 11-12                      | 2/18/2016                | <25  <br>  <25                         | <25<br><25         | <25          | <25                   | <25<br>  <25    | 1 <25<br>  <25                         | <25<br>  <25   | 1 <50                 | 50             | <25<br>  <25                                 | <del>2 &lt;75</del> |
| 3:3-4                         | 15-16                      | 2/18/2016                |  | <25 1              | <25          | <25                   | <25             | <25                                    | <25            | 1 <50                 | 1 <50          | <25  | · <75               |
| 13:7-8                        | 3-4                        | 2/18/2016                | <25  <br>  <25                         | <25<br><25         | <25          | <25                   | <25             | 1 <25                                  | <25            | <50<br>  <50          | 30 (50         | <25  | <75                 |
| 3:7-8<br>  3:11-12            | 11-12                      | 2/18/2016                | <25                                    | <25<br><25         | <25          | <25                   | <25             | <25                                    | <25            | <50<br>  <50          | 1 <50<br>I <50 | 1 <25  | <75<br><75          |
| 3:11-12<br>  4:3-4            | 3-4                        | 2/18/2016                | <25                                    | <25                | <25          | 42.2                  | <25             | 238                                    | 221            | 459                   | 70.7           | 1 <25  | <75  <br>  <75      |
| 14:7-8                        | 1 7-8                      | 2/18/2016                | <25                                    | <25                | <25          | <25                   | 1 <25           | <25                                    | <25            | 1 <50                 | 1 <50          | <25  | 1 <75               |
| <del>4.7-0</del><br>  4:11-12 | 1 /-8<br>  11-12           | 2/18/2016                | 1 <25 1                                | <25                | <25          | <25                   | 1 <25           | 1 <25                                  | <25            | <50<br>  <50          | l <50          | <25  | <75 ·               |
| 114.11-12<br>115:3-4          | 3-4                        | 2/18/2016                | 1 <25                                  | <25                | <25          | <25                   | <25             | 1 <25                                  | <25            | <50                   | 1 <50          | <25  | 1 <75               |
| 15:3 <del>-4</del><br>15:7-8  | 7-8                        | 2/18/2016                | <25                                    | <25                | <25          | <25                   | 1 <25           | 1 <25                                  | 1 <25          | 1 <50<br>1 <50        | l <50          | <25  | <75                 |
| 5:11-12                       | 1 1-0<br>  11-12           | 2/18/2016                | <25                                    | <25                | <25          | <25                   | <25             | 1 <25                                  | <25            | 1 <50                 | 1 <50          | 1 <25  | 1 <75               |
| 6:3-4                         | 1 11-12<br>  3-4           | 2/18/2016                | <25                                    | <25                | <25          | <25                   | 1 <25           | <25                                    | <25            | 1 <50                 | <50<br>  <50   | <25  | · <75               |
| 6:3-4<br>  6:7-8              | 1 3- <del>4</del><br>1 7-8 | 2/18/2016                | <25                                    | <25                | <25          | , <u>\25</u><br>  <25 | 1 <25           | <25                                    | <25            | 1 <50                 | 1 <50<br>1 <50 | <25  | 1 <75               |
| 6:11-12                       | 1 1-0<br>] 11-12           | 2/18/2016                | <25                                    | <25                | <25          | 1 <25                 | 1 <25           | ] <25                                  | <25            | 1 <50                 | 1 <50          | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \        | j <75               |
| 16:15-16                      | 1 15-12<br>1 15-16         | 2/18/2016<br>1 2/18/2016 | 1 <25                                  | <25                | <25          | 1 <25                 | 1 <25           | 1 <25                                  | <25            | 1 <50                 | 1 <50          | 1 <25  | 1 <75               |
| MW1:3-4                       | 3-4                        | 2/18/2016                | <25                                    | <25                | <25          | 1 <25                 | 1 <25           | 1 <25                                  | ] <25          | 1 <50                 | 1 <50          | 1 <25  | 1 <75               |
| MW-1:7-8                      | 7-8                        | 2/18/2016                | <25                                    | <25                | <25          | 1 <25                 | 1 <25           | J <25                                  | <25<br>  <25   | I <50                 | 1 <50<br>1 <50 | <25  | i <75               |
| MW1:11-12                     |                            | 2/18/2016                | <25                                    | <25                | <25          | 1 <25                 | <25             | <25                                    | <25            | 1 <50                 | 1 <50          | 1 <25  | 1 <75               |
| 121771.11-12                  | 11-12                      | 2/ 10/2010               | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | `~25               |              |                       | - ~~            | 1 20                                   | 1 20           | \0                    | 1 30           | 1 -20  |                     |
| l                             | <u></u>                    | L                        | 1                                      | L                  | L,           | <u> </u>              |                 | ــــــــــــــــــــــــــــــــــــــ | 1              |                       | <del></del>    | 1  |                     |

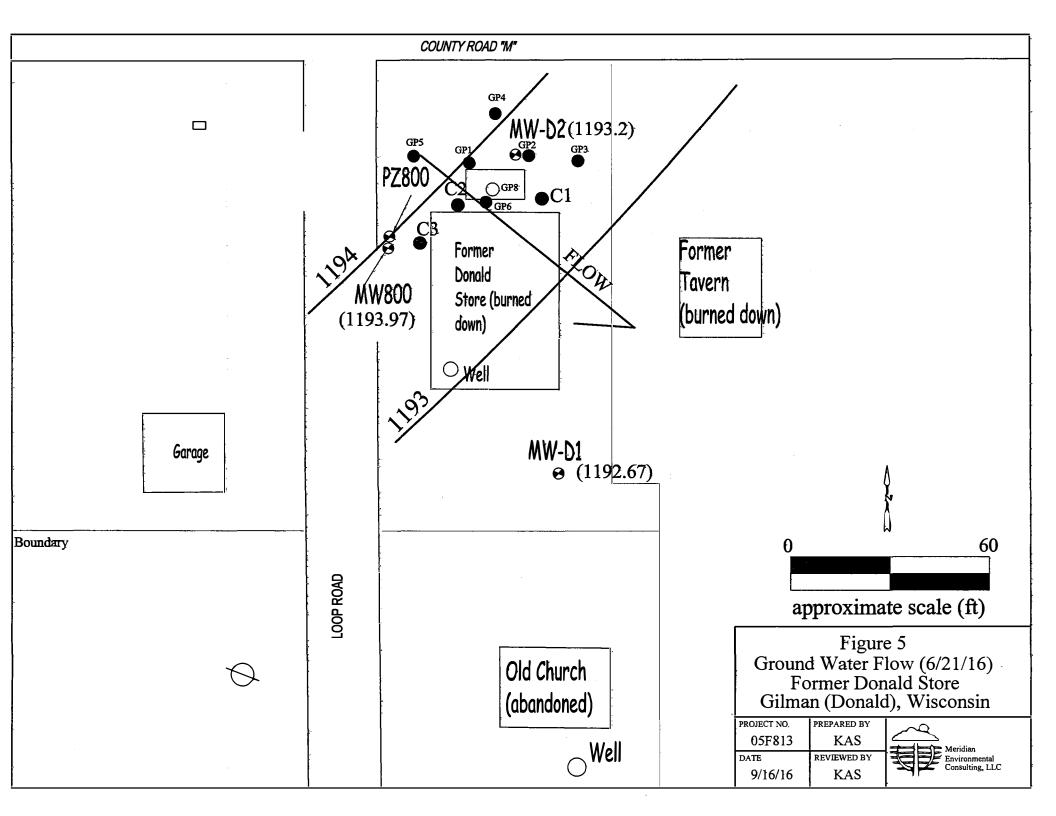
**Table 2: Ground Water Analytical Data** 

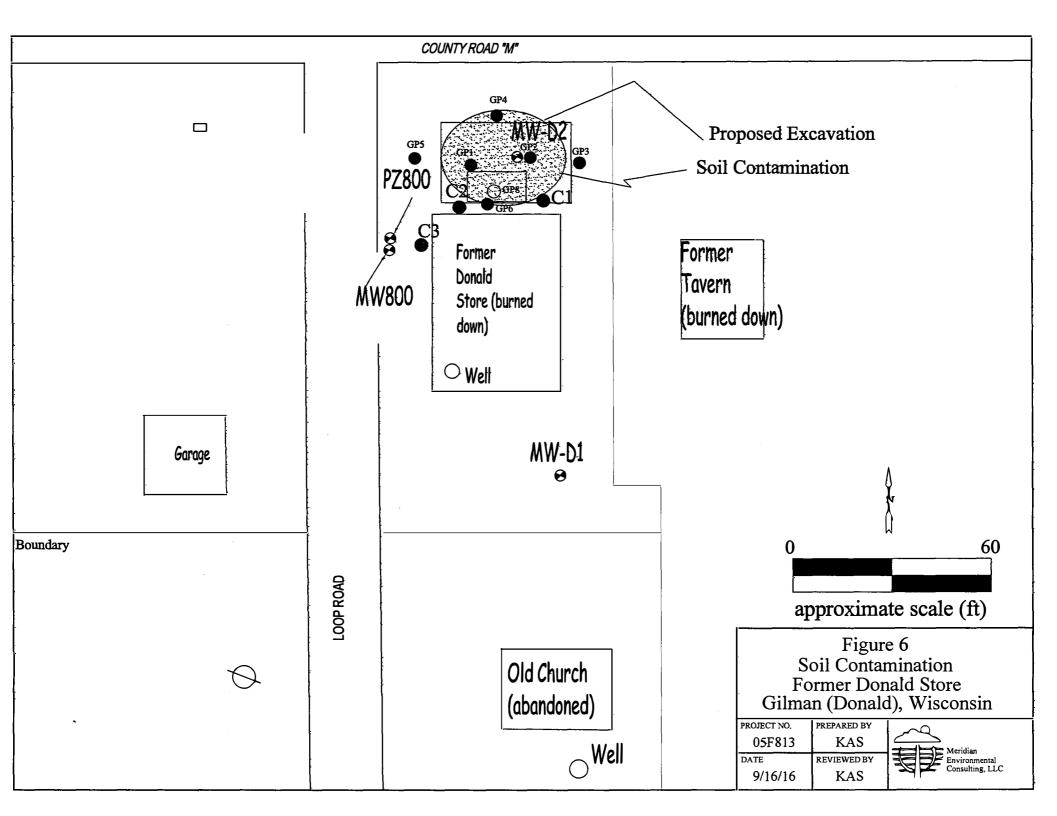
Donald Store Gilman (Donald), Wisconsin Meridian No. 05F813

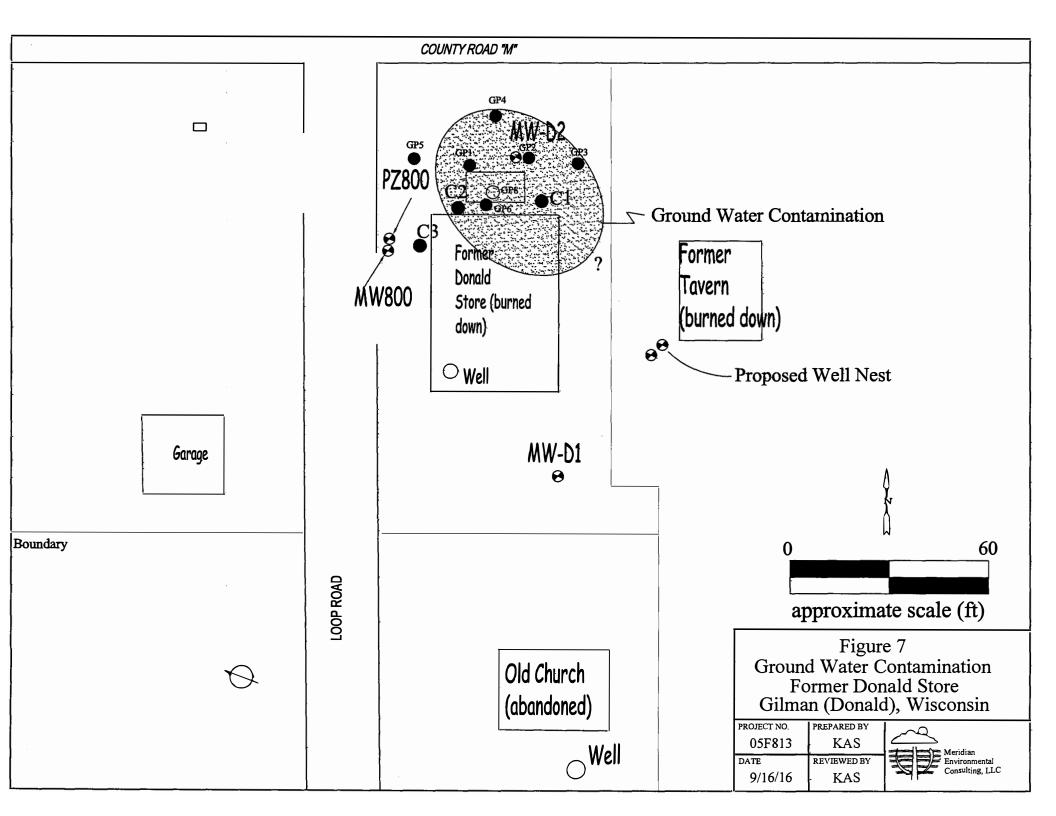
| Well             | Date                 | Benzene     | Ethyl Benzene | Toluene | Total Xylenes | 1,2,4 - TMB  | 1,3,5 - TMB                                    | Total TMBs                                    | MTBE | Naphthalene |
|------------------|----------------------|-------------|---------------|---------|---------------|--------------|--|---|------|-------------|
| NR140 ES         | 1                    | 5           | 700           | 800     | 2000          |              | -  | 480   | 60   | 100         |
| NR140 PAL        |                      | 0.5         | 140           | 160     | 400           | 1            |  | 96 ]  | 12   | 10          |
| Units            |                      | ug/l        | ug/l          | ug/l    | ug/l          | ug/l         | ug/l   | ug/l  | UG/L | ug/l        |
|                  |                      | }           |               |         |               |              |  |   |      |             |
| MW-D1            | (installed Feb 1     | 8, 2016)    |               |         |               |              |  |   |      | ]           |
| 1                | 3/9/2016             | <.4         | <.39          | <.39    | <1.2          | <.42         | <.42   | <.42  | <.48 | <.42        |
|                  | 6/21/2016            | <.4         | <.39          | <.39    | <1.2          | <.42         | <.42   | <.42  | <.48 | <.42        |
|                  |                      |             |               |         |               |              |  |   |      | 1 1         |
| MW-D2            | (installed Feb 1     | 8, 2016)    |               |         |               |              |  | 1   |      | Ţ           |
|                  | 3/9/2016             | 29.6        | 202           | 7.3     | 646           | 568          | 200  | 768   | <4.8 | 151         |
| l                | 6/21/2016            | 72.7        | 509           | 5.4     | 697           | 591          | 304  | 895   | <4.8 | 399         |
|                  |                      | 1           |               |         |               |              |  | 1   |      | ]           |
|                  | 1                    | †           | ,             |         |               |              |  | 1   |      | 1 1         |
| MW-800           | Installed June 10, 1 | 1997        |               |         |               | ]            |  | ]   |      | 1 1         |
|                  | 6/20/1997            | <.2         | <.4           | <.5     | <1.4          | <.5          | <.4  | <.5   | <.2  | <.4         |
|                  | 4/11/2007            | .2          | <.5           | <.2     | <.5           | <.5          | <.4  | <.5   | <.5  | <.25        |
| ļ                | 7/25/2007            | <.2         | <.5           | <.2     | <.5           | <.2          | <.2  | <.2   | <.5  | <.25        |
| 1                | 10/23/2007           | <.2         | <.5           | <.2     | <.5           | <.2          | <.2  | <.2   | <.5  | <.25        |
|                  | 5/6/2008             | <.2         | <.5           | <.2     | <.5           | <.2          | <.2  | <.2   | <.5  | <.25        |
| l                | 7/29/2008            | <.25        | <.22          | <.25    | <.39          | <.25         | <.19   | <.25  | <.23 | <.25        |
| l                | 8/29/2012            | <.39        | <.41          | <.42    | <1.3          | <.43         | <.4  | <.43  | <.38 | . <.4       |
|                  | 3/9/2016             | <.4         | <.39          | <.42    | <1.2          | <.42         | <.42   | <.42  | <.48 | <.42        |
|                  | 6/21/2016            | <.4         | <.39          | <.39    | <1.2          | <.42         | <.42   | <.42  | <.48 | <.42        |
|                  |                      |             |               |         |               | ]            |  |   |      | <u> </u>    |
| PZ-800           | Installed June       |             |               |         |               | <u> </u>     | <u> </u>                                       | 1 1   |      |             |
| ]                | 6/20/1997            | 0.3         | <.4           | <.5     | <1.4          | <.5          | 1 <.4  | <.5   | <.2  | <.4         |
|                  | 8/29/2012            | <.39        | <.41          | <.42    | <1.3          | <.43         | <.4  | <.43  | <.38 | <.4         |
|                  | 3/9/2016             | <.4         | 1 <.39        | <.42    | <1.2          | <.42         | <.42   | <.42  | <.48 | <.42        |
| <u> </u>         | 6/21/2016            | <.4         | 1 <.39        | <.39    | <1.2          | <.42         | <.42   | <.42  | <.48 | <.42        |
| II<br>Old Church | <u>)</u><br>Well     | <u> </u>    | <u> </u>      |         | <u> </u>      | <u>1</u><br> | <u>                                       </u> | <u>                                      </u> |      | ]           |
| <u> </u>         | 8/29/2012            | ·<br>  <.39 | <.41          | <.42    | <1.3          | <.43         | <.4  |   | <.38 | .4          |
| Ϊ                | 6/21/2016            | <.4         | <.39          | <.39    | <1.2          | <.42         | <.42   | <.42  | <.48 | <.42        |
|                  |                      |             |               |         |               |              |  |   |      |             |

<sup>12</sup> Concentration exceeds NR140 Enforcement Standard

<sup>12</sup> Concentration exceeds PAL







### **Table 3: Ground Water Levels**

Donald Store Donald (Gilman), Wisconsin 05F813

| MW-D1 (installed Feb 18, 2016)  | <del>''</del>       |                | MW-D2 (installed Feb 18, 2016)  |                     |                |
|---------------------------------|---------------------|----------------|---------------------------------|---------------------|----------------|
| Surface Elevation (ft)          |                     | 1198.25        | Surface Elevation (ft)          |                     | 1202           |
| Top of Casing elevation (ft)    |                     |                | Top of Casing elevation (ft)    |                     | 1199.11        |
| Top of Screen Elevation (ft)*   |                     | 1188.25        | Top of Screen Elevation (ft)*   |                     | 1170.5         |
| Bottom of Screen Elevation (ft) |                     | 1178.25        | Bottom of Screen Elevation (ft) |                     | 1165.5         |
| Well Diameter                   |                     | 2-inch         | Well Diameter                   |                     | 2-inch         |
| Installed                       |                     | 2/18/2016      | Installed                       |                     | 2/18/2016      |
| II I                            |                     |                |                                 |                     |                |
| Meas. Date                      | Depth to Water (ft) | Elevation (ft) | Meas. Date                      | Depth to Water (ft) | Elevation (ft) |
|                                 |                     |                |                                 |                     |                |
| 3/9/2016                        | 5.58                | 1192.49        | 3/9/2016                        | 6.5                 | 1192.61        |
| 6/21/2016                       | 5.4                 | 1192.67        | 6/21/2016                       | 5.91                | 1193.20        |
|                                 |                     |                |                                 |                     |                |
|                                 |                     |                |                                 |                     |                |
|                                 |                     |                |                                 |                     |                |

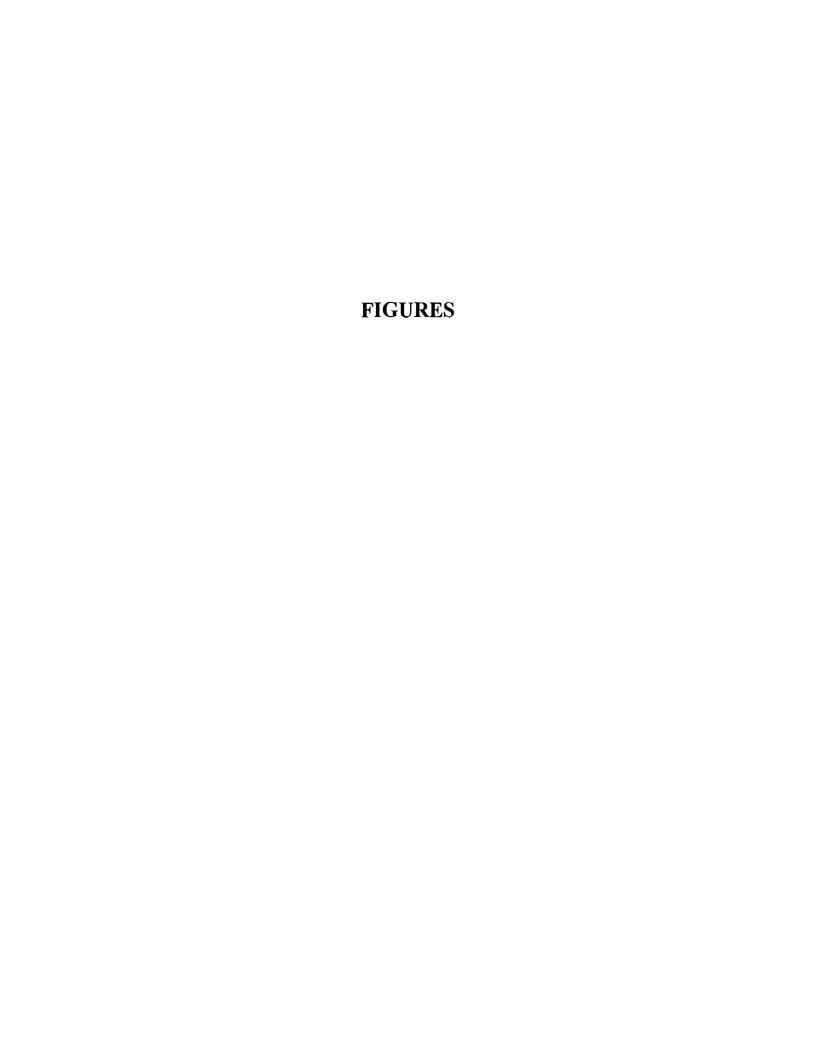
| MW-800                          |                     |                | PZ-800                          |                     |                |
|---------------------------------|---------------------|----------------|---------------------------------|---------------------|----------------|
| Surface Elevation (ft)          |                     | 1200.25        | Surface Elevation (ft)          |                     | 1199           |
| Top of Casing elevation (ft)    |                     | 1200.03        | Top of Casing elevation (ft)    |                     | 1198.99        |
| Top of Screen Elevation (ft)*   |                     | 1196.25        | Top of Screen Elevation (ft)*   |                     | 1168           |
| Bottom of Screen Elevation (ft) |                     | 1186.25        | Bottom of Screen Elevation (ft) |                     | 1163           |
| Well Diameter                   |                     | 2-inch         | Well Diameter                   |                     | 2-inch         |
| Installed                       |                     | 6/10/1997      | Installed                       |                     | 6/10/1997      |
|                                 |                     | 1              |                                 |                     |                |
| Meas. Date                      | Depth to Water (ft) | Elevation (ft) | Meas. Date                      | Depth to Water (ft) | Elevation (ft) |
| 8/29/2012                       | 11.18               | 1188.85        | 8/29/2012                       | 10.14               | 1188.85        |
| 3/9/2016                        | 7.65                | 1192.38        | 3/9/2016                        | 6.15                | 1192.84        |
| 6/21/2016]                      | 6.06                | 1193.97        | 6/21/2016                       | 6.53                | 1192.46        |
|                                 |                     |                |                                 |                     |                |
| ·                               |                     |                |                                 |                     |                |
|                                 |                     |                |                                 |                     |                |

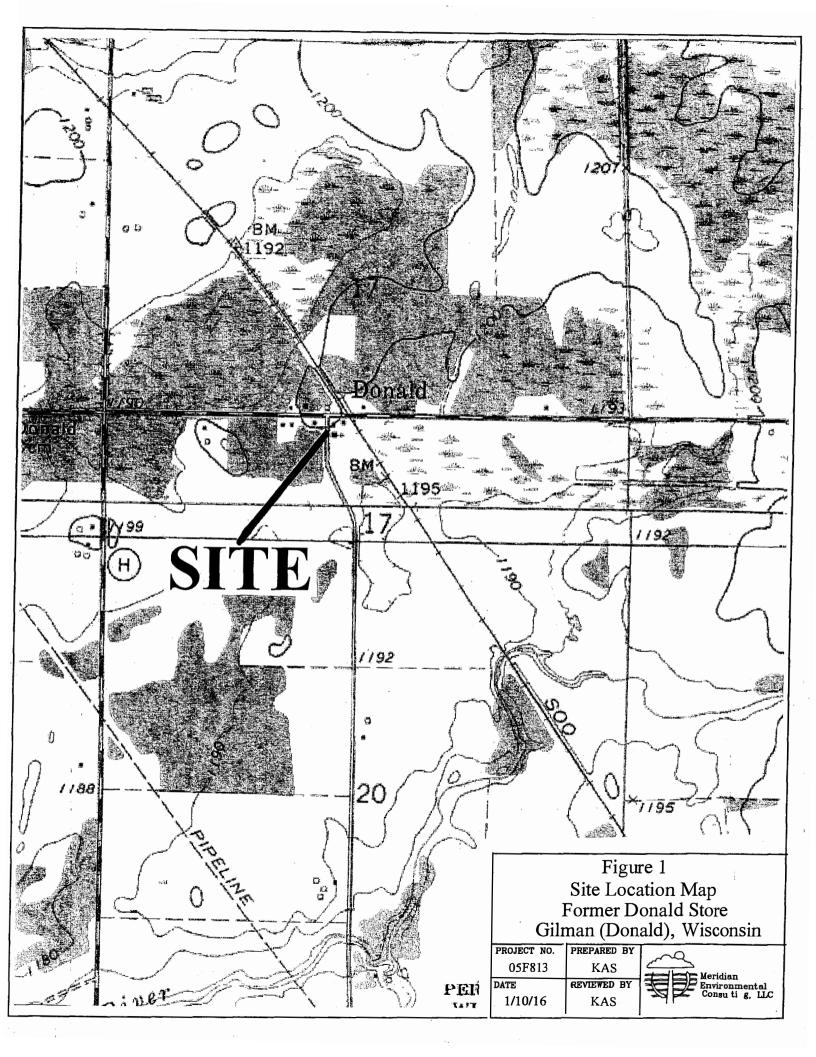
**Table 4: Natural Attenuation Data** 

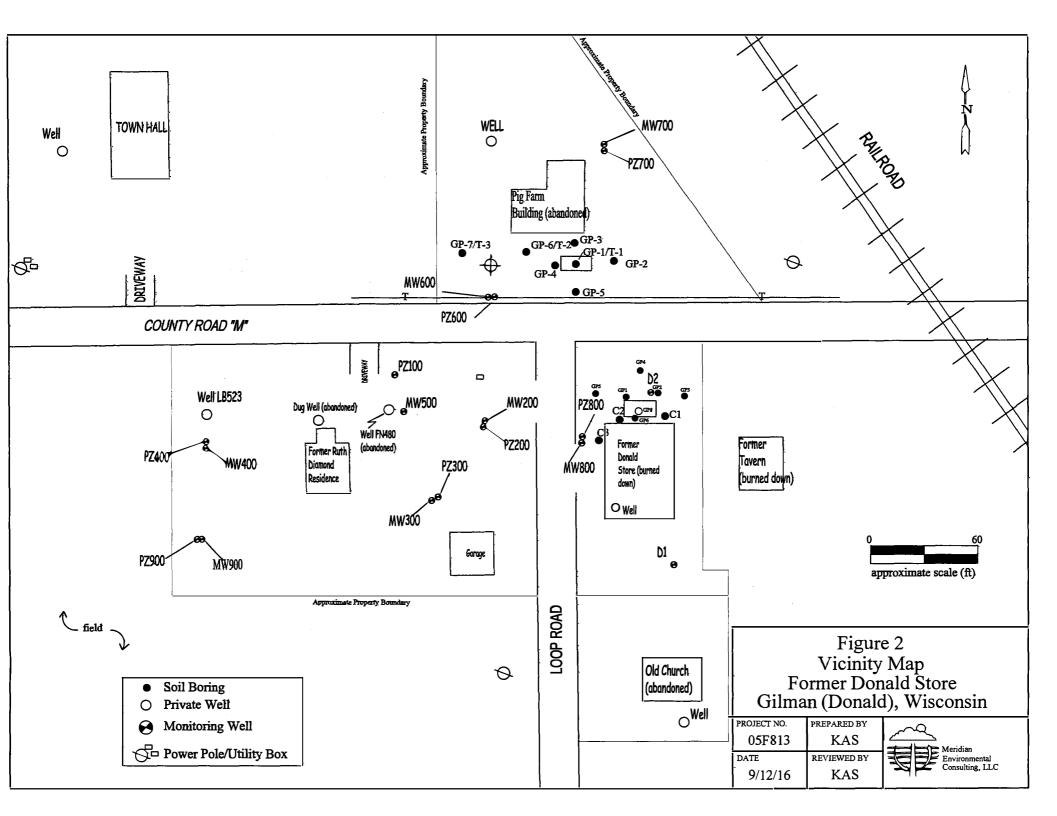
Donald Store Gilman (Donald), Wisconsin Meridian No. 05F813

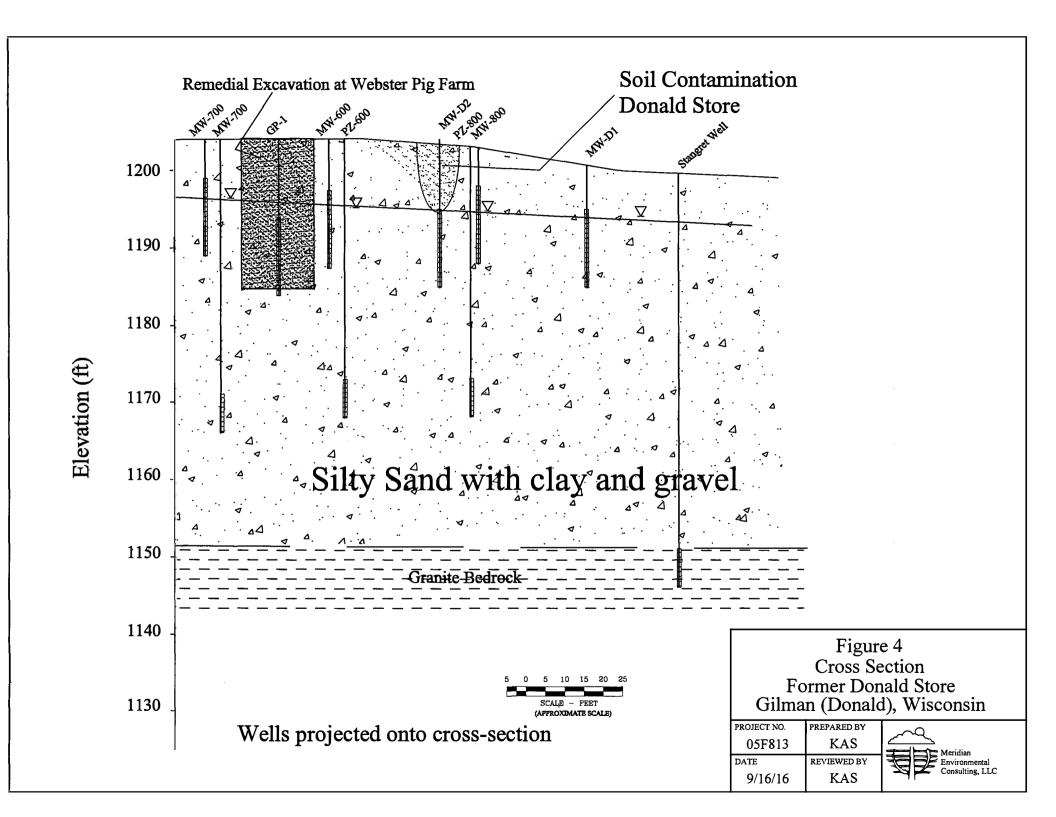
| Well      | DO   | pH   | Conductivity | Temp | Redox |
|-----------|------|------|--------------|------|-------|
| Units     | mg/l |      | uS ]         | С    | mV    |
| 1         |      | }    | }            |      | }     |
| MW-D1     |      |      |              |      |       |
| 3/9/2016  | 1    | 7.63 | 572          | 6.3  | 142   |
| 6/21/2016 | 2    | 8.34 | 606          | 13.2 | 15    |
|           |      |      |              |      |       |
| MW-D2     |      |      | ]            |      |       |
| 3/9/2016  | <1   | 8.61 | 1468         | 7    | 141   |
| 6/21/2016 | <1   | 7.92 | 927          | 14.8 | 26    |
|           |      |      |              |      | ]     |
| MW-800    |      |      |              |      |       |
| 3/9/2016  | 4    | 7.9  | 2300         | 6    | 172   |
| 6/21/2016 | 3    | 8.03 | ] 1032       | 13.7 | . 26  |
| 1         |      |      |              |      |       |
| [P-800    |      |      | 1 1          |      |       |
| 3/9/2016  | 2    | 7.28 | 3560         | 6.8  | 151   |
| 6/21/2016 |      | 7.95 | 1712         | 13   | 20    |
|           | 1    | 1    |              |      |       |

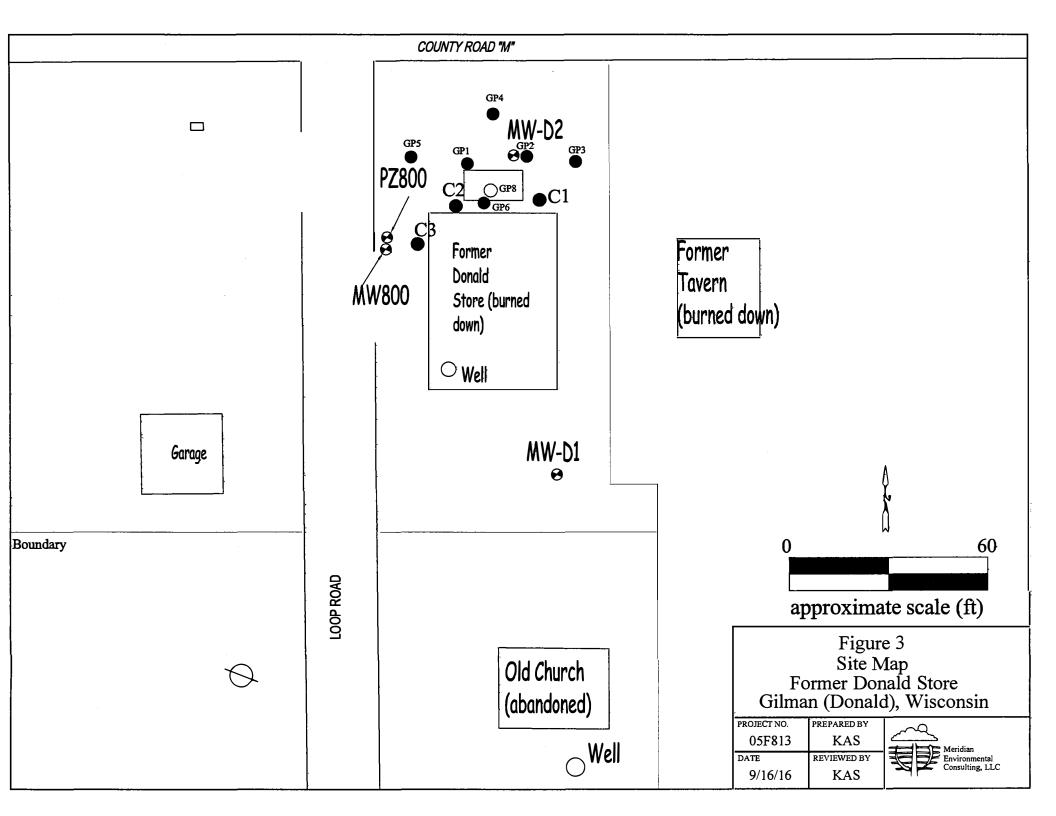
Field Measurements during water sampling
DO measured using ampules (ChemMetrics)
pH, conductivity, temperature measured with Oakton Multiparameter Testr 35
Redox measured with EcoSense ORP15A











# APPENDIX A

Data from Webster Pig Farm Project

Table 1: Ground Water Analytical Data Webster Pig Farm Donald, Wisconsin Meridian No. 05F784

| Well   | Date                       | Benzens        | Ethyl Benzene                         | Toluene        | Total Xylenes                         | 124-TMP         | 1,3,5 - TMB   | Total TMRe!      | MTBE         | Naphthalene                                   |
|--|----------------------------|----------------|---------------------------------------|----------------|---------------------------------------|-----------------|---------------|------------------|--------------|---|
| NR140 ES                                     | Date                       | 5              | 700                                   | 800            | 2000                                  | 1,2,4 - 1100    | 1,3,3 - 11915 | 480              | 60           | 100   |
| NR140 PAL                                    | i                          | 0.5            | 140                                   | 160            | 400                                   | <u> </u>        |               | 96               | 12           | 10  |
| Ųnits  |                            | ug/l           | ÿg/i                                  | ug/l           | ug/l                                  | uġ/l            | ug/l          | uĝ/l             | ŲĢ/L         | ug/l  |
| 1  | !                          | l , ;          |                                       |                |                                       | l .             |               | 1                |              |   |
| IMW-100                                      | Installed December         |                |                                       |                | l'<br>                                | <u> </u>        |               |                  |              | <u> </u>                                      |
| <u>n</u>                                     | 1 1/9/1997<br>1 4/18/1997  | <.2            | <.3                                   | <.2<br><.4     | <u>&lt;1</u><br>  <del>&lt;</del> 1.2 | <.4             | <.3           | <.4              | <.1<br><.1   | <4  |
|  | l 6/20/1997                | l <.4<br>l <.1 | l <.5                                 | <.1            | \1.2                                  | <.5<br>  -      | <.5           | 1 <.5            | <u> </u>     | <u> </u>                                      |
|  |                            | Well Aban      |                                       | 1,1            | · · · · · · · · · · · · · · · · · · · | _               | _             | i                |              | i -   |
|  |                            |                |                                       |                | <del></del>                           | ·               | <del></del>   |                  |              | 1   |
| MW-200                                       | Installed December         |                | l                                     |                |                                       |                 | ·             |                  |              |   |
| <u> </u>                                     | 1 1/9/1997                 | <.2            | ! <.3                                 | <.2            | <1                                    | <.4             | <.3           | <.4              | <.1          | <.4   |
| 1  | 4/18/1997                  | l 13           | [ 1.1 ]                               | 11             | 3.4                                   | <.5             | <.5           | <.5              | <.1          | -   |
| I.   | 6/20/1997<br>1 12/20/2006  | <.1<br><.2     | <.1<br><.5                            | <.1<br><.2     | · <.2<br>· <.5                        | -<br>l <.2      | <.2           | <,2              | -<br><,5     | 1 <.25  |
| <u> </u>                                     | 4/11/2007                  | <.2            | .5                                    | <.2            | <.5                                   | <.2             | <.2           | <.2              | <.5          | 1 <.25  |
| į  | 7/25/2007                  | <.2            | <.5                                   | <.2            | <.5                                   | <.2             | <.2           | <.2              | <.5          | <.25  |
|  | 10/23/2007                 | <.2            | _<.5                                  | <.2            | <.5                                   | <.2             | <.2           | <.2              | <.5          | <.25  |
| <u> </u>                                     | 1 1/9/2008                 | <.2            | <.5                                   | <.2            | <.5                                   | <.2             | <.2           | <.2              | < 5          | <.25  |
| <u> </u>                                     | 5/6/2008                   | <.2            | <.5                                   | <.2            | <.5                                   | <.2             | <.2           | <.2              | <.5          | <.25  |
| l<br>I                                       | 7/29/2008<br>8/29/2012     | <.25<br><.39   | <.22<br><.41                          | <.25<br><.42   | <.39<br><1.3                          | <.25<br><.43    | <.19<br><.4   | <.25  <br>  <.43 | <.38         | <.25<br>  <.4                                 |
| l  | 9/9/2015                   | <.4            | <.39                                  | <.42           | <1.2                                  | <.42            | <.42          | <.43             | <.48         | <.42  |
| Ì  | 12/9/2015                  | <.4            | <.39                                  | <.39           | <1.2                                  | <.42            | <.42          | <.42             | <.48         | <.42  |
| 1  |                            | , ,,,,,        |                                       |                |                                       |                 |               |                  | ,            |   |
| MW-300                                       | Installed December         |                |                                       |                |                                       |                 |               | . !              |              | 1   |
|  | 1/9/1997                   | <.2            | <.3                                   | <.2            | <1                                    | <.4             | <.3           | <.4              | <.1          | <.4   |
| <u>.                                    </u> | 4/16/1997<br>6/20/1997     | <.4<br><.1     | <.5  <br>  <.1                        | <.4<br><.1     | <1,2<br>0.2                           | <.5             | <.5           | <.5              | <.1          | <u> </u>                                      |
| 1  | 12/20/2006                 | <.2            | <.5                                   | <.2            | <.5                                   | <.2             | <.2           | <,2              | 33           | <.25  |
| i ·  | 4/11/2007                  | <.2            | <.5                                   | <.2            | <.5                                   | <.2             | <.2           | <.2              | <,5          | <.25  |
| l  | 5/6/2008                   | <.2            | <.5                                   | <.2            | <u>&lt;.</u> 5                        | <u>&lt;.</u> 2  | <.2           | <.2              | <.5          | <.25  |
| <u> </u>                                     | 7/29/2008                  | <.25           | <.22                                  | <.25           | <.39                                  | <.25            | <.19          | <.25             | <.23         | < 25  |
| <u> </u>                                     | 8/29/2012                  | <.39           | <.41                                  | <.42           | <1.3                                  | <.43            | <.4           | <.43             | <.38         | <.4   |
|  | 9/9/2015<br>12/9/2015      | <.4<br><.4     | <.39<br>  <.39                        | <.39<br><.39   | <1.2<br><1,2                          | <.42<br><.42    | <.42<br><.42  | <.42<br><.42     | <.48<br><.48 | 1 <.42<br>1 <.42                              |
| !<br>  | 12/3/2013                  | `              | 1 \.00                                | 1,00           | 1,2                                   | \.72            | 1,42          | 42               | 1,40         | 172   |
| MW-400                                       | installed December         | 4, 1996        |                                       |                |                                       | · · · · · · · · |               |                  |              | 1   |
| l'   | 1/9/1997                   | <.2            | <.3                                   | <.2            | <1                                    | <.4             | <.3           | <.4              | <.1          | ľ <.4   |
| <u>!</u>                                     | 4/18/1997                  | 0.8            | <.5                                   | <.4            | 1.2                                   | <.5             | 0.7           | 0.7              | 0.9          |   |
| <u> </u>                                     | 6/20/1997                  | <.1            | <.1                                   | <.1            | <.2                                   | - 1             | - 0           | -                | -            | - 0.67  |
| !<br>!                                       | 12/20/2006  <br>4/11/2007  | <.2<br><.2     | <.5  <br>  <.5                        | <.2<br><.2     | <.5<br><.5                            | <.2<br><.2      | <.2<br><,2    | <.2  <br><.2     | <.5<br><.5   | 0.67  |
| i<br>T                                       | 7/25/2007                  | <.2            | <.5                                   | <.2            | <.5                                   | <,2             | <.2           | <.2              | <.5          | 1 <.25  |
| ĺ  | 10/23/2007                 | <.2            | <.5                                   | <.2            | <.5                                   | <.2             | <.2           | <.2              | <.5          | <.25  |
|  | 1/9/2008                   | <.2            | <.5                                   | <.2            | <.5                                   | ₹.2             | <,2           | <.2              | <.5          | <.25  |
| <u> </u>                                     | 5/6/2008                   | <.2            | <.5                                   | <.2            | <.5                                   | <.2             | <.2           | <.2              | <.5          | <.25  |
|  | 7/29/2008                  | <.25           | <.22                                  | <.25           | <.39                                  | <.25            | <.19          | <.25             | <.23         | <.25  |
| !<br>!                                       | 8/29/2012  <br>9/9/2015    | <.39<br><.4    | <.41  <br>  <.39                      | <.42           | <1.3<br><1.2                          | <.43  <br><.42  | <.42          | <.43  <br><.42   | <.48         | <.4<br>  <.42                                 |
| ·  | 12/9/2015                  | <.4            | <.39                                  | <.39           | <1.2                                  | <.42            | <.42          | <.42             | <.48         | <.42  |
|  | I                          |                | i i                                   |                |                                       |                 |               |                  |              | <u> </u>                                      |
| MW-500                                       | Installed December         |                |                                       |                |                                       |                 |               | I                |              | 1   |
| <u> </u>                                     | 1/9/1997                   | <.2            | <.3                                   | 0.3            | <1                                    | <.4             | <.3           | <.4              | <.1          | <.4   |
| l  | 4/18/1997  <br>  6/20/1997 | <.4<br><.1     | <.5  <br>  <.1                        | <.4 [<br><.1 ] | <1.2<br><.2                           | <.5             | <.5           | <.5  <br>- 1     | <u>&lt;1</u> | <u>t -                                   </u> |
|  | 12/20/2006                 | 4              | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | <,2            | <,5                                   | <.2             | <,2           | <.2              | <.5          | 0.31  |
|  | 4/11/2007                  | <.2            | <.5                                   | <.2            | <.5                                   | <.2             | <.2           | <.2              | <.5          | 1 <.25  |
|  | 7/25/2007                  | <.2            | <.5                                   | <.2            | <.5                                   | <.2             | <.2_          | <.2              | <.5          | <.25  |
|  | 5/6/2008                   | <.2            | <,5                                   | <.2            | <,5                                   | <.2             | <.2           | <.2              | <.5          | <u>l</u> <.25                                 |
| l.   | 7/29/2008                  | <.25           | <.22                                  | <.25           | <.39                                  | <.25            | <.19          | <.25             | <.23         | <.25  |
|  | 8/29/2012  <br>9/9/2015    | <.39<br><.4    | <.41  <br><.39                        | <.42           | <1.3<br><1.2                          | <.43  <br><.42  | <.4  <br><.42 | <.43 [<br><.42 ] | <.38<br><.48 | <.4<br>  <.42                                 |
|  | 12/9/2015                  | <.4            | <.39                                  | <.39           | <1.2                                  | <.42            | <.42          | <.42             | <.48         | <.42  |
|  |                            |                | i                                     |                |                                       |                 |               | . 12             |              | -72   |
| MW-600                                       | Installed April 14, 19     |                |                                       |                | 7                                     |                 |               |                  |              | 1   |
|  | 4/18/1997                  | 3090           | 554                                   | 2900           | 2066                                  | 293             | 82            | 375              | <3.6         | 130   |
|  | 6/20/1997                  | 1200           | 1330                                  | 8290           | 6730                                  | -               | - 1           | 4000             |              |   |
|  | 5/6/2008<br>7/29/2008      | 2100<br>790    | 1100<br>670                           | 1500           | 3400<br>2600                          | 950<br>930      | 270           | 1220             | <20          | 360   |
|  | 8/29/2012                  | 111            | 118                                   | 117            | 354                                   | 196             | 330 I         | 366              | <23<br>6.2   | 390<br>130                                    |
|  | 8/8/2014                   | 181            | 237                                   | 179            | 446                                   | 180             | 91.7          | 271.7            | 7.8          | 154   |
|  | 11/18/2014                 | 107            | 135                                   | 67.3           | 306                                   | 127             | 83.5          | 210.5            | 12.4         | 1 102   |
|  | 9/9/2015                   | 71             | 100                                   | 46.5           | 292                                   | 116             | 120           | 236              | 8.4          | 1 107   |
|  | 12/9/2015 <u>I</u>         | 75.7           | 93.5                                  | 39.3           | 259                                   | 74.2            | 65.2          | 139.4            | 3            | 121   |
|  | 1                          |                |                                       | Ī              |                                       |                 |               |                  |              |   |

|  | Date  Installed April 15, 1: 4/18/1997 12/20/2006 4/11/2007 7/25/2007 10/23/2007 5/6/2008 7/29/2008 9/9/2012 9/9/2015 | 5<br>0.5<br>ug/l                                 | Ethyl Benzene<br>700<br>140<br>ug/l<br><.4<br><.1<br><.5 | 800<br>160<br>ug/l | Total Xylenes<br>2000<br>400<br>ug/l | ug/l             | ug/l             | 480<br>96<br>ug/l | 60<br>12<br>UG/L | Naphthalene<br>100<br>10<br>ug/l |
|--|---|--|--|--------------------|--------------------------------------|------------------|------------------|-------------------|------------------|----------------------------------|
| Units MW-700 is                                  | 4/18/1997<br>6/20/1997<br>12/20/2006<br>4/11/2007<br>7/25/2007<br>10/23/2007<br>5/6/2008<br>7/29/2008<br>8/29/2012    | ug/l<br>997<br><.3<br><.1<br><.2<br><.2<br><.2   | vg/l<br><.4<br><.1<br><.5                                | ug/i<br>1.2        | ug/l                                 | ug/l             | ug/l             |                   |                  |                                  |
| MW-700 ir  | 4/18/1997<br>6/20/1997<br>12/20/2006<br>4/11/2007<br>7/25/2007<br>10/23/2007<br>5/6/2008<br>7/29/2008<br>8/29/2012    | 997<br>  <,3<br>  <,1<br>  <,2<br>  <,2<br>  <,2 | <.4<br><.1<br><.5  | 1.2                |                                      | ug/l             | ug/l             | ug/I              | ŲG/L             | i ug/l                           |
|  | 4/18/1997<br>6/20/1997<br>12/20/2006<br>4/11/2007<br>7/25/2007<br>10/23/2007<br>5/6/2008<br>7/29/2008<br>8/29/2012    | <.3<br><.1<br><.2<br><.2<br><.2                  | <.1<br><.5   |                    |                                      |                  |                  |                   |                  |                                  |
|  | 6/20/1997<br>12/20/2006<br>4/11/2007<br>7/25/2007<br>10/23/2007<br>5/6/2008<br>7/29/2008<br>8/29/2012                 | <.1<br><.2<br><.2<br><.2                         | <.1<br><.5   |                    |                                      | - 5              | <.4              | <.5               | <,2              | <.4                              |
|  | 12/20/2006<br>4/11/2007<br>7/25/2007<br>10/23/2007<br>5/6/2008<br>7/29/2008<br>8/29/2012                              | <.2<br><.2<br><.2                                | < 5  | <.1                | <.2                                  | <.5              | <.4              | - 1.5             | ζ,Ζ              |                                  |
|  | 7/25/2007<br>10/23/2007<br>5/6/2008<br>7/29/2008<br>8/29/2012   | <.2  |  | <.2                | <.5                                  | <.2              | <.2              | <.2               | <.5              | <,25                             |
|  | 10/23/2007<br>5/6/2008<br>7/29/2008<br>8/29/2012  |  | <.5  | <.2                | <.5                                  | <.2              | <.2              | <.2               | <.5              | <.25                             |
|  | 5/6/2008<br>7/29/2008<br>8/29/2012  | l <.2  | <.5  | <.2                | <,5                                  | <.2              | <.2              | <.2               | <.5              |                                  |
|  | 7/29/2008<br>8/29/2012  |  | <.5  | <,2                | <.5                                  | <.2              | ₹.2              | <2                | <.5              | <.25                             |
|  | 8/29/2012   | <,2<br><,25                                      | <.5<br><.22  | <,2<br><,25        | <.5<br><.39                          | <.2<br><.25      | <.2<br><.19      | <,2<br><,25       | <.5<br><.23      | <.25<br><.25                     |
|  |   | <.39   | <.41   | <.42               | <1.3                                 | <.43             | <.4              | <.43              | <.38             | 1 <.4                            |
|  |   | Not Sample                                       |  | -,-                | 11.0                                 | 1 1              |                  |                   | -,00             | 1                                |
|  | 12/9/2015   | Not Sample                                       | ed   |                    |                                      |                  |                  | i                 |                  | Ī                                |
| IMW-800  | ·   |  |  |                    | ·                                    |                  | -                | , ,               |                  | !                                |
|  | stalled June 10, 1  |  | 1  |                    | . 44                                 |                  |                  |                   | 0                | <u> </u>                         |
| <del>-</del>                                     | 6/20/1997  <br>4/11/2007  | <.2<br><.2                                       | <.4<br><.5   | <.5<br><.2         | <1.4<br><,5                          | <.5  <br>  <.5   | <.4  <br><.4     | <.5  <br><.5      | <.2<br><.5       | <.4<br>  <.25                    |
| 1  | 7/25/2007   | <.2  | <.5  | <.2                | <.5                                  | <.2              | <.2              | <.2               | <.5<br><.5       | 1 <.25                           |
| <del>i i</del>                                   | 10/23/2007  | <.2  | <.5  | <.2                | <.5                                  | <.2              | <.2              | <.2               | <.5              | <.25                             |
| l i  | 5/6/2008_   | <.2  | <.5  | <.2                | <.5                                  | <.2              | <.2              | <.2               | <.5              | <.25                             |
|  | 7/29/2008   | <.25   | <.22   | <.25               | <.39                                 | <,25             | < 19             | <.25              | <.23             | <.25                             |
| <u> </u>   | 8/29/2012   | <.39   | <.41   | <.42               | _<1.3                                | <.43             | <.4              | <.43              | <.38             | < 4                              |
| <u>r !</u>                                       |   | Not Sample<br>Not Sample                         |  |                    |                                      |                  |                  | 1                 |                  | <u> </u>                         |
| +  | 121312010   | I TOU GAMPIE                                     | - I  |                    |                                      |                  | <u> </u>         | <u> </u>          |                  | i                                |
| MW-900   Ir                                      | nstalled June 1   | 0, 1997  | i  |                    |                                      |                  |                  | · - 1             |                  | i                                |
| <u> </u>   | 6/20/1997   | <.2  | <.4  | <.5                | <1.4                                 | <.5              | <.4              | <.5               | < 2              | <.4                              |
|  | 12/20/2006  | <.8  | <2   | <.8                | <2                                   | <.8              | <.8              | <.8               | <2               | · <1                             |
| <u>1</u>   | 4/11/2007   | <.2  | <.5  | <.2                | <.5                                  | <.2              | <,2              | <.2               | <.5              | <.25                             |
| <u> </u>   | 7/25/2007  <br>5/6/2008   | <.2<br><.2                                       | <.5  <br><.5   | <.2  <br><.2       | <.5<br><.5                           | <.2<br><.2       | <.2  <br><.2     | <.2  <br><.2      | < 5<br>< 5       | <.25<br>  <.25                   |
| <del>                                     </del> | 7/29/2008   | <,25   | <.22   | <.25               | <.39                                 | <,25             | <.19             | <.25 I            | <,23             | <,25<br>  <,25                   |
| ii i   | 8/29/2012   | <.39   | <.41   | <.42               | <1.3                                 | <.43             | <.4              | <.43              | <.38             | <.4                              |
| 1 1  | 9/9/2015  | <.4  | <.39   | <.39               | <1.2                                 | <.42             | <.42             | <.42              | <.48             | <.42                             |
|  | 12/9/2015   | <.4  | <.39   | <.39               | <1.2                                 | <.42             | <.42             | <.42              | <,48             | <.42                             |
|  | <u> </u>  | 40.4000  | <u> </u>   |                    |                                      | l                |                  |                   |                  | <u> </u>                         |
| 11PZ-100 [In                                     | stalled December  | 18, 1996<br>3840                                 | <7.4 \   | 169                | 809                                  | 95               | 34               | 129               | <3,1             | 1 38                             |
| i i  | 4/18/1997   | 3500   | <9.8   | 118                | 430                                  | 43               | 12               | 55                | <4.5             | 25                               |
| ii i   | 6/20/1997 I   | 3660   | <1 I   | 97                 | 410                                  | - 1              | - i              | - i               | -                |                                  |
| <u> </u>   | 12/20/2006  | 3300   | <2   | 17                 | 50                                   | _22              | 3.8              | 25.8 l            | <2               | _28                              |
| <u> </u>   | 4/11/2007   | 0.64   | <.5  | <.2                | <.5                                  | <.2              | <.2              | <.2               | <,5              | < 25                             |
| <u>1</u>   | 7/25/2007  <br>10/23/2007   | 7.8  | 21  <br><2   | 9 <u>1</u>         | 16 l                                 | 9,8<br><,8       | 12               | 21.8              | <10<br><2        | 1 27<br>1 <1                     |
| +  | 1/9/2008  | 330  | <2  <br><5   | 5.7                | 10 I                                 | 2.6              | <.8 [<br><2 ]    | <.8  <br>2.6      | <u> </u>         | 5,6                              |
| ii i   | 5/6/2008  | 280  | <.5  | 6,2                | 5.9                                  | 2,0              | 0.5              | 2,7               | <.5              | 6.1                              |
| <u>ui</u>  | 7/29/2008   | 1100   | 0 I  | 14                 | 12                                   | 1.5              | 0.4              | 1.9               | <4.6             | <5                               |
| <u> </u>   | 8/29/2012   | 849  | <2.1   | 4.7                | <6.3                                 | <2.2             | <2               | <2,2              | <1.9             | 2.3                              |
| <u> </u>   | 8/8/2014  | 1.3  | <.39   | <.39               | <1.2                                 | <.42             | <.42             | <.42              | <.48             | <.42                             |
| <u> </u>   | 11/18/2014  <br>9/9/2015  | 6.5 t  | <.39  <br><19.8  | <.39 i             | <1.2 {<br><62,4 }                    | <.42  <br><20.9  | <.42  <br><20.8  | <.42  <br><20,9   | <.48<br><24,2    | <.42<br>  123                    |
| <del>                                     </del> | 12/9/2015   | 7810   | <19.6  | 56,4               | <62,4  <br><62,4                     | <20,9 I          | <20.8  <br><20,8 | <20.9             | <24.2            | 71,2                             |
| <del>ii i</del>                                  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,   |  |  | 55.7               |                                      | -23.5            | -23.0            | -20.5             | ,-1.4            | 7.1.2                            |
| PZ-200   Ir                                      | stalled Decem   |  |  | i                  | j                                    | i i              | i                | i                 |                  |                                  |
| 1 1  | 1/9/1997 [  | 0.5  | <.3  | 0.5                | <1                                   | <.4              | <.3              | <.4 l             | <.1              | <.4                              |
| <u> </u>   | 4/18/1997   | 3 !  | <.4  | <.5                | <1.4                                 | <.5              | <.4              | <.5               | <,2              | 0.7                              |
| <u> </u>   | 6/20/1997  <br>5/6/2008   | <.1  <br><.2                                     | <.1  <br><.5   | <.1  <br><.2       | <.2  <br><.5                         | - 1<br><,2 [     | - I<br><.2       | <.2               | 0.5              | -<br>  <.25                      |
| <del> </del>                                     | 7/29/2008   | <.25   | <.22   | <.25 J             | <.39                                 | <.25             | <.19             | <.25 I            | <.23             | < .25                            |
| <u>. i</u>                                       | 8/29/2012   | <.39   | <.41   | <.42               | <1.3                                 | <.43             | <.4              | <.43              | <.38             | <.4                              |
| 1  | 9/9/2015  | <.4  | <.39   | <.39               | <1.2                                 | <.42             | <.42             | <.42              | <.48             | < 42                             |
| <u> </u>   | 12/9/2015 I   | <.4  | <.39   | <.39               | <1.2                                 | <.42             | <.42             | <.42              | <.48             | <u>  &lt;.42</u>                 |
| <u>    </u><br>  PZ-300  !r                      | ıstalled Decem  | ber 17 199                                       | 1 6  | 1                  |                                      | - 1              |                  | 1                 |                  |                                  |
|  | 1/9/1997  | 12   | <.3  | 1.9 i              | <1                                   | <.4 I            | <.3              | <.4               | <.1              | l <,4                            |
| <u>i                                      </u>   | 4/18/1997 I   | 3 1  | <.4 1  | <.5                | <1.4                                 | <.5              | <.4              | <.5               | <.2              | <.4                              |
| Ji 1   | 6/20/1997   | 5.3  | <.1 i  | <.1                | <.2                                  | - 1              | - 1              | - 1               | -                | · -                              |
| <u> </u>   | 5/6/2008 I  | <.2  | <.5  | <.2                | <.5                                  | <.2              | <.2              | <.2               | 24               | <.25                             |
| <u>r 1</u>                                       | 7/29/2008   | <.25  <br><.39                                   | <.22 i   | <.25               | <.39  <br><1.3                       | <.25 1<br><.43 1 | <.19             | <.25              | 21               | l <.25                           |
| <u> </u>   | 8/29/2012 E   | <.4  | <.41  <br><.39   | <.42  <br><.39     | <1.3                                 | <.43  <br><.42   | <.4 i            | <.43  <br><.42    | 1.6<br>0.57      | <.4<br><.42                      |
| i i  | 12/9/2015   | <.4  | <.39   | <.39               | <1.2                                 | <.42             | <.42             | <.42              | <.48             | < 42                             |
| <u>1</u> 1                                       | i   | i  | 1  | i                  | i                                    | ii               | i                | i                 |                  |                                  |
| PZ-400 IIn                                       | stalled Decem   |  |  |                    |                                      |                  | 1                | 1                 |                  |                                  |
| <u>1</u>   | 1/9/1997  | <.2  | <.3  | 1.1                | <1 !                                 | <.4 ]            | <.3              | <.4               | <.1              | <.4                              |
| <u>"                                    </u>     | 4/18/1997 I<br>6/20/1997 I  | <.3  <br><.1                                     | <.4  <br><.1   | <.5 I              | <1.4  <br><.2                        | <.5              | <.4              | <.5               | <,2              | <.4                              |
| <u> </u>   | 5/6/2008  | <.2  | <.5  | <.1 1              | <.5 I                                | <,2              | <.2              | - I<br><,2 I      | <,5              | <.25                             |
| <del>i -</del>                                   | 7/29/2008   | <.25   | <.22   | <.25               | <.39 I                               | <.25             | <.19             | <.25              | <.23             | <.25                             |
| i i  | 8/29/2012   | 7.6  | <.41   | 0.93               | <1.3                                 | <.43             | <.4 1            | <.43              | <.38             | <.4                              |
| l I  | 8/8/2014  | 0.5  | <.39   | <.39               | <1,2 I                               | <.42             | <.42             | <.42              | <.48             | <.42                             |
| <u> </u>   | 11/18/2014  | <.4  | <.39   | <.39               | <1,2                                 | <.42 I           | <.42             | <.42              | <.48             | <.42                             |
| <u> </u>   | 9/9/2015  | <.4  | <.39   | <.39               | <1.2                                 | <.42             | <.42             | <.42              | <.48             | <.42                             |
| <u>"</u> -                                       | 12/9/2015   | 0.92   | <.39   | <.39               | <1.2                                 | <.42             | <.42             | <.42              | <.48             | <.42                             |

Table 1: Ground Water Analytical Data

| Well         | Date                            | Benzene                  | Ethyl Benzene  | Toluene        | Total Xylenes | 1,2,4 - TMB    | 1,3,5 - TMB     | Total TMBs        | MTBE         | Naphthalene    |
|--------------|---------------------------------|--------------------------|----------------|----------------|---------------|----------------|-----------------|-------------------|--------------|----------------|
| NR140 ES     | , ,                             | 5                        | 700            | 800            | 2000          | -              |                 | 480               | 60           | 100            |
| NR140 PAL    |                                 | 0.5                      | 140            | 160            | 400           |                |                 | 96                | 12           | 10             |
| Units        | <u> </u>                        | l ug/l                   | ug/l           | uġ/l           | ug/i          | ug/l           | ug/l            | ug/l              | UG/L         | i ug/i         |
| D7 600       | <br>                            | 4 4007                   | ,              |                | . ,           |                |                 |                   |              | <u> </u>       |
| PZ-600       | Installed April 1 4/18/1997     | 4, 1997<br>L < 3         | <.4            | · <.5          | <1.4          |                | <.4             |                   | <.2          | <br>  <.4      |
| ľ            | 6/20/1997                       | 114                      | <.1            | 2.1            | 12.4          | <.5            | \ \ <del></del> | <.4               |              | 1 -            |
| <u> </u>     | 5/6/2008                        | 6300                     | 37             | 200            | 920           | 160            | 46              | 206               | <10          | 40             |
| i            | 7/29/2008                       | 520                      | 17             | 60             | 220           | 60             | 18              | 78                | <2.3         | 1 17           |
| l            | 8/29/2012                       | 175                      | 126            | 223            | 489           | 177            | 87.1            | 264.1             | 18           | 1 156          |
|              | 8/8/2014                        | 190                      | 156            | 323            | 583           | 217            | 137             | 354               | <2.4         | 198            |
| !            | 11/18/2014                      | 6.1                      | <.39           | 3.8            | 7.5           | 1.8            | 0.87            | 2.67              | < 48         | 1 2.7          |
| <u> </u>     | 9/9/2015                        | 98.2                     | 131            | 230            | 346           | 129            | 120             | 249               | 16.6         | 200            |
| <u> </u>     | 12/9/2015                       | 110                      | 133            | 269 1          | 417           | 126            | 131             | 257               | <1.9         | 203            |
| PZ-700       | Installed April 1               | 5, 1997                  |                |                |               |                |                 |                   |              | <u> </u>       |
|              | 4/18/1997                       | <.3                      | <.4            | <,5            | <1.4          | <.5            | <.4             | <.5               | <.2          | ·<br>I <.4     |
| ł            | 6/20/1997                       | <b>  &lt;</b> .1         | <.1            | <.1            | <.2           | - 1            | -               | -                 | -            | -              |
|              | 5/6/2008                        | <.2                      | <,5            | <.2            | <.5           | <.2            | <.2             | <.2               | <.5          | l <.25         |
|              | 7/29/2008                       | <.25                     | <.22           | < 25           | <.39          | <.25           | < 19            | <.25              | <.23         | <.25           |
|              | 8/29/2012                       | <.39                     | <.41           | <.42           | <1.3          | <.43           | <.4             | <.43              | <.38         | <.4'           |
|              | 9/9/2015<br>12/9/2015           | Not Sample<br>Not Sample |                | - 1            |               |                |                 |                   |              | <u>r</u>       |
|              | 12,0,2010                       | . soc oumple             |                |                |               |                |                 |                   |              | i ·            |
| PZ-800       | Installed June 1                | 0, 1997                  |                |                |               |                |                 |                   |              | i ·            |
|              | 6/20/1997                       | 0.3                      | <.4            | <.5            | <1.4          | <.5            | <.4             | <.5               | <.2          | <.4            |
|              | 8/29/2012                       | <.39                     | <.41           | <.42           | <1.3          | <.43           | <.4             | <.43              | <.38         | i <.4          |
|              | 9/9/2015                        | Not Sample               |                |                |               |                |                 |                   | -,           | <u> </u>       |
|              | 12/9/2015                       | Not Sample               | eq l           |                |               |                |                 |                   |              |                |
| PZ-900       | l<br>Installed June 1           | 1 1997                   |                |                |               |                |                 |                   |              | <u> </u>       |
|              | 6/20/1997                       | 1.3                      | <.4            | <.5            | <1.4          | <.5            | <.4             | <.5               | <.2          | <.4            |
|              | 5/6/2008                        | <.2                      | <.5            | <.2            | <.5           | <.2            | <.2             | <,2               | <.5          | <.25           |
|              | 7/29/2008                       | <.25                     | <.22           | <.25           | <.39          | <.25           | < 19            | < 25              | < 23         | <.25           |
|              | 8/29/2012                       | <.39                     | ₹.41           | <.42           | <1.3          | <.43           | <.4             | <.43              | <.38         | <.4            |
|              | 9/9/2015                        | <.4                      | <.39           | <.39           | <1.2          | <.42           | <.42            | <.42              | <.48         | <.42           |
|              | 12/9/2015                       | <.4                      | <.39           | <.39           | <1.2          | <.42           | <.42            | <.42              | <.48         | <.42           |
| Ruth Diamon  | ıd (former) Wat                 | er Sunnly                |                |                |               | 1              |                 | I                 |              | 1              |
|              | 2/10/1997                       | 686                      | <7.4           | 15             | 265           | 63             | 17              | 80                | <3.1         | 28             |
|              | 4/18/1997                       | <.3                      | <.4            | <.5            | <1.4          | <.5            | <.4             | <.5               | <.2          | <.4            |
|              | 7/25/2007                       | <.2                      | <.5            | <.2            | <.5           | <.2            | <.2             | <.2               | <.5          | <.25           |
|              | 1/9/2008                        | <.2                      | <.5            | <.2            | <.5           | <.2            | <.2             | <.2               | <.5          | <.25           |
|              | 7/29/2008                       | <.2                      | <.5            | <.2            | <.5           | <.2            | <.2             | <.2               | <.5          | <.25           |
|              | 8/29/2012                       | <.39  <br>  <.4          | <.41  <br><.39 | <.42           | <1.3<br><1.2  | < 43  <br>< 42 | <.4  <br><.42   | <.43              | <.38<br><.48 | <.4<br><.42    |
| 1            | 8/8/2014<br>11/18/2014          | <.4                      | <.39           | <.39           | <1.2          | <.42           | <.42            | <.42  <br><.42    | <.48         | <.42           |
|              | 9/9/2015                        | <.4                      | <.39           | <.39           | <1.2          | <.42           | <.42            | <.42              | <.48         | <.42           |
|              | 12/9/2015                       | <.4                      | <.39           | <.39           | <1.2          | <.42           | <.42            | <.42              | <.48         | <.42           |
|              |                                 |                          | .              |                | , ,           |                |                 |                   |              |                |
| Pig Farm we  |                                 |                          | water column   |                |               |                |                 |                   |              | !              |
|              | 8/8/2014                        | <.4                      | < 39           | <.39           | <1.2          | <.42           | <.42            | <.42              | < 48         | <.42           |
| (yield test) | 11/18/2014<br>2/16/2016         | <.4  <br>  <.4           | <.39<br><.39   | <.39  <br><.39 | <1.2<br><1.2  | <.42  <br><.42 | < 42  <br>< 42  | <.42  <br><.42    | <.48         | <.42<br>  <.42 |
| (Jioin (Gal) | 210/2010                        | , , , , , ,              | 7,00           | 05             | 71.4          | -,2            | \.74            | \. <del>1</del> 2 | \.4U         | 42             |
| Old Church V | Vell                            |                          | i              | i              |               | i              | , ,             | i                 |              | ,              |
|              | 8/29/2012                       | <.39                     | <.41           | <.42           | <1.3          | <.43           | <.4             | <.43              | <.38         | <.4            |
| (yield test) | 2/16/2016                       | <.4                      | <.39           | .98J           | <1.2          | <.42           | <.42            | <.42              | <.48         | <.42           |
| T-14-11      |                                 |                          |                |                |               |                |                 |                   |              | <u> </u>       |
| IOWN Hall W  | ell (outside fauc<br>10/26/2012 | cet)  <br>  <.39         | <.41           | - 42           | <1.3          | <.43           | <,4             | 2,42              | <.38         | .4             |
| (vield test) | 2/16/2016                       |                          | <.39           | <.42  <br><.39 | <1.2          | <.43           | <.42            | <.43  <br><.42    | <.48         | <.42           |
| (yield test) | 2102010                         | 7.7                      | 1.00           | - 2.00         |               |                | 74              | 1,72              | 1.70         | 1 372          |
| T-1          | Installed 10/18/                | 12 i                     | i              | i              | i             | i              | i               | i                 |              | l              |
|              | 10/26/2012                      | 6.1                      | 322 I          | <2.1           | 1130          | 654            | 205             | 859               | 18,4         | 168            |
|              | Abandoned 8/4                   | /14 due to e             | xcavation      |                |               |                |                 |                   |              |                |
|              |                                 | 40                       |                | <u> </u>       |               |                | <u> </u>        |                   |              |                |
|              | Installed 10/18/<br>10/26/2012  |                          | 1740           | 5820 I         | 6950          | 075            | 2E7 !           | 4420              | 20           | 349            |
|              | 10/26/2012  <br>Abandoned 8/4   |                          |                | 30ZU           | 0550          | 875            | 257             | 1132              | 38           | 349            |
|              | APRILITORION OF                 | 1 4 446 10 8             | Vodadilosi     |                |               |                |                 | -                 | <del></del>  | <del></del>    |
| T-3 [        | Installed 10/18/                | 12 I                     | · · · i        | · · · · · i    |               | i              |                 | i                 |              |                |
|              |                                 |                          |                |                |               |                |                 |                   |              |                |
|              | 10/26/2012                      | 10.2                     | <.41           | 1.6            | ≤1.3          | <.43           | 0,85            | 0.85              | <.38         | 4              |

<sup>12</sup> Concentration exceeds NR140 Enforcement Standard 12 Concentration exceeds PAL

### Table 2: Summary of Soil Data

Webster Pig Farm Donald, Wisconsin Meridian No. 05F784

| Sample                             | Depth           | Date                   | Benzene                                      | Ethylbenzene        | MTBE  | Naphthalene    | Toluene      | 1 2 4-TMR       | 135.TMB           | Total TMR        | m&p Xylenes    | o-Xvlenes  | Total Yvlene    |
|------------------------------------|-----------------|------------------------|--|---------------------|---|----------------|--------------|-----------------|-------------------|------------------|----------------|--|-----------------|
| Units                              | R               | L                      | ug/kg  | ug/kg               | ug/kg   | ug/kg_         | ug/kg        | ug/kg_          | ug/kg             | ug/kg            | ug/kģ          | ug/kg  | ug/kg           |
|                                    | T               |                        |  |                     |   |                |              |                 |                   |                  | ļ              |  | , ,             |
| Samples c                          | ollected by     | / Northern Env         | ironmenta                                    |                     |   | 1              | !            | <u> </u>        | !                 | <u> </u>         | <u> </u>       | <u> </u>   |                 |
| PZ103                              | 6-8             | 10/6/1996              | <25  | <25                 |   | <25            | 27           | <25             | <25               | <25              | <u>'</u><br>I' | !<br>  | <b>&lt;</b> 50  |
| PZ104                              | 8-10            | 12/6/1996              | <25  | <25                 |   | I <25          | <25          | <25             | <25               | <25              | İ              | i.   | <50             |
| PZ113                              | 26-28           | 12/6/1996              | 900  | <25                 |   | 49             | 49           | 83              | <25               | <25              | · ·            | l  | 408             |
| PZ117                              | 34-36           | 12/6/1996              | 1390   | <25                 | <u>, , , , , , , , , , , , , , , , , , , </u> | 77             | 44           | 146             | 43                | 189              | <u>[</u>       | <u> </u>   | 624             |
| <br>   PZ200                       | <u> </u>        |                        | 1  |                     |   | 1              | 1            | 1               | <u> </u>          | 1                | <u> </u>       |  | <u> </u>        |
| PZ200                              | 6-8             | 12/5/1996              | <25  | <25                 |   | <25            | <25          | <br>  <25       | <25               | <25              |                | <del>                                     </del> | <50             |
| PZ211                              | 22-24           | 12/5/1996              | <25  | <25                 |   | <25            | <25          | <25             | <25               | <25              | <u> </u>       |  | <50             |
|                                    | 1               |                        | 1 1  |                     |   | 1              | i            |                 |                   | i .              | i              | l  | ,               |
| PZ300                              |                 |                        |  |                     |   |                |              | [ ]             |                   |                  |                |  |                 |
| PZ303                              | 6-8             | 12/5/1996              | <25  | <25                 |   | <25            | <25          | <25             | <25               | <25              |                | <u> </u>   | <50             |
| PZ316<br>PZ18                      | 32-34<br>36-38  | 12/5/1996<br>12/5/1996 | <25<br><25                                   | <25<br><25          | <del></del>                                   | <25<br><25     | <25<br>28    | <25<br><25      | <25<br><25        | <25<br><25       | <del></del>    |  | <50<br><50      |
| 1 1210                             | 1 30-30         | 12/0/1330              | 1 20   | 120                 |   | 1 -25          | 1 20         | 1               | 1 -20             | 1 723            | <u> </u>       |  | 100             |
| PZ400                              | i               | , ,                    | i  | i                   |   | i,             | · ·          | i :             | <u> </u>          | i .              | j ,            | İ  |                 |
| PZ403                              | 6-8             | 12/5/1996              | <25  | <25                 |   | <25            | <25          | <25             | <25               | ≼25              |                |  | <50             |
| PZ412                              | 24-26           | 12/5/1996              | <25  | <25                 |   | <25            | <25          | <25             | <25               | <25              |                |  | <b>&lt;</b> 50  |
| <br>  PZ500                        | 1               |                        | 1  |                     |   | <del> </del>   |              | 1               |                   | <u> </u>         | <u> </u>       |  |                 |
| PZ503                              | 6-8             | 12/6/1996              | <br>  <25                                    | <25                 |   | 90             | 30           | <25             | <25               | <25              |                | I  | <50             |
| . 2000                             | <u> </u>        | 12.07.000              | -20  |                     |   | 1              |              |                 |                   | 20               |                | ,  |                 |
| PZ600                              |                 |                        |  |                     |   |                | 1            | Ϊ               |                   |                  |                | l  |                 |
| PZ603                              | 6-8             | 4/14/1997              | <16  | <3.6                |   | T <12          | <8.8         | <5              | <7.9              | <7.9             |                |  | <b>&lt;18.7</b> |
| PZ604                              | 8-10            | 4/14/1997              | 150  | 2580                |   | 618            | 1080         | 9710            | 3670              | 13380            |                | l  | 10150           |
| PZ610<br>PZ615                     | 20-22<br>30-32  | 4/14/1997<br>4/14/1997 | 643  | 172  <br><3.7       |   | <12<br>  <12   | 205<br><9.1  | 241<br>43       | <b>91</b><br><8.1 | 332<br>43        |                |  | 640<br>50       |
| P4010  <br>                        | 1 30-32         | 4/14/1997              | 1 6/ 1                                       | <3.7                |   | 1 <12          | <u> </u>     | 43              | \ \8.1<br>        | 43               |                | 1  | 50              |
| PZ700                              |                 |                        | <u>i                                    </u> |                     |   |                |              |                 |                   |                  |                |  |                 |
| PZ703                              | 6-8             | 4/14/1997              | <16  | <3.6                |   | <12            | <8.9         | <5.1            | <7.9              | <7.9             |                |  | <18.7           |
| PZ715                              | 30-32           | 4/15/1997              | <16  | <3.7                |   | <12            | <9.1         | <5.1            | <8                | 8> (             | 1              | )  | <18.8           |
|                                    |                 | ·                      | <u> </u>                                     |                     |   | 1              |              |                 |                   |                  |                |  |                 |
| PZ800<br>PZ802                     | 1 40            | 6/10/1997              | 1 40   | <3.7                |   | [              | -0.4         | <br>  '-E0      | <8.1              | <br>  <8.1       |                |  | <18.9           |
| PZ814                              | 4-6<br>28-30    | 6/10/1997              | <16  <br>  <16                               | <3.7                |   | <12<br><12     | <9.1<br><9.1 | <5.2<br><5.2    | <8.1              | <8.1             |                |  | <18.9           |
| 1 2014                             | 20-00           | 0/10/133/              | 1 10 1                                       | -0.1                |   | 1 12           | -5.1         | 1 10.2          | -0.1              | -0.1             |                |  | 10.5            |
| PZ900                              |                 |                        | 1  |                     | * *   | '              |              | l '' !          |                   |                  |                |  |                 |
| PZ902                              | 4-6             | 6/10/1997              | <16  | <3.7                |   | <12            | <9.1         | <5.2            | <8.1              | <8.1             |                |  | <18.9           |
| 10-40                              | <u> </u>        |                        | 1 1  | 14.04 (4            |   | 1              |              | [               |                   |                  |                |  |                 |
| G1                                 | Geoprob         | 4/6/2007               | 35   | ald Store (April 20 | <30   | 360            | <30          | 420             | 420               | 840              |                |  | 330             |
| G1                                 | 10.5            | 4/6/2007               | <30  | 70                  | <30   | 220            | <30          | 270             | 530               | 800              |                |  | 130             |
| G1 (water)                         |                 | 4/11/2007              | <.2  | <.5                 | <.5   | 0.4            | <.2          | 0.28            | 10                | 10.28            |                |  | <.5             |
| G2                                 | 8               | 4/6/2007               | <28  | <28                 | <28   | <55            | <28          | 50              | <28               | 50               |                |  | <94             |
| G2                                 | 10              | 4/6/2007               | <30  | <30                 | <30   | 62             | <30          | 250             | 120               | 370              |                |  | 210             |
| G2 (water)                         | 10              | 4/6/2007               | 1  | 0,88                | <.5   | 39             | 4.5          | 77              | 23                | 100              |                |  | 190             |
| G3  <br>  G3                       | 1 4             | 4/6/2007<br>4/6/2007   | <31<br><29                                   | <31  <br><29        | <31<br><29                                    | <61  <br>  <57 | <31<br><29   | <31  <br>  <29  | <31<br><29        | <31  <br><29     |                |  | <100  <br>  <97 |
| G3 (water)                         | 10              | 4/11/2007              | <20  | <.5                 | <.5   | <.25           | <.2          | <.2             | <.2               | <.2              |                |  | <.5             |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | <u></u>         |                        | -  |                     | •••   | 1              | · · · · · ·  | -               | · ·-              | -                |                |  |                 |
| Geoprobes                          | (October        |                        |  | 1                   | -   | 1              | ,            | , ,             |                   | 1                | ,              |  |                 |
| GP-1; 7'                           | 7               | 10/18/12               | <125   | 2010                | <125  | 717            | <125         | 2040            | 4750              | 6790             | <250           | 2050   | 2050            |
| GP-1: 12'                          | 12              | 10/18/12               | <312   | 8110                | 1020  | 5600           | <312         | 29100           | 17300             | 46400            | 26300<br>167   | 5650` ]  | 31950           |
| GP-1: 19'  <br>  GP-2: 3'          | 19              | 10/18/12<br>10/18/12   | <25<br><25                                   | 141  <br><25        | <25<br><25                                    | 43.3<br><25    | <25<br><25   | 103  <br>  <25  | 32.9<br><25       | <b>135.9</b> <50 | 167<br><50     | 190  | 357  <br><75    |
| GP-2: 7'                           | 7               | 10/18/12               | <25  | <25                 | <25   | <25            | <25          | <25<br><25      | <25               | <50              | <50<br><50     | <25  | <75             |
| GP-3: 3'                           | 3 1             | 10/18/12               | <25  | <25 I               | <25   | <25            | <25          | <25             | <25               | <50              | <50            | <25  | <75             |
| GP-3: 7'                           | 7               | 10/18/12               | <25  | <25                 | <25   | <25            | <25          | <25             | <25               | <50              | <50            | <25  | <75             |
| GP-4: 10                           | 10              | 10/18/12               | <500   | 35100               | 1210  | 12400          | 14700        | 49200           | 25300             | 74500            | 20500          | 80900  | 101400          |
| GP-5: 3'                           | 3               | 10/18/12               | 11600  | 53500               | 2850  | 36900          | 21400        | 1840000         | 103000            | 1943000          | 215000         | 34600  | 249600          |
| GP-5: 7'  <br>GP-6: 3'             | 3               | 10/18/12<br>10/18/12   | 1050<br><25                                  | 9020                | 490<br><25                                    | 3720           | 2140<br>345  | 20400  <br>83.7 | 12000<br>30.5     | 32400<br>114.2   | 22300<br>556   | 8510<br>148                                      | 30810  <br>704  |
| GP-6: 7'                           | 7 1             | 10/18/12               | <25  | <25 I               | <25   | <25            | <25          | <25             | <25               | <50              | <50            | <25  | 704  <br><75    |
| 'GP-8: 4'                          | 4               | 10/18/12               | 388  | 14100               | <250  | 9690           | 17700        | 61300           | 21000             | 82300            | 68500          | 30100  | 98600           |
| • GP-8 installed                   | d in front of D |                        | . , ,  | i                   |   |                |              | l '', ' i       |                   |                  |                |  | i               |
|                                    |                 |                        |  | -                   |   |                |              |                 |                   |                  |                |  |                 |

Table 3: Ground Water Levels Webster Pig Farm Donald (Gilman), Wisconsin 05F784

(MW-100 abandoned)

| PZ-100                          |                     |                | MW-200                          |                     |                | PZ-200                          |                     |                |
|---------------------------------|---------------------|----------------|---------------------------------|---------------------|----------------|---------------------------------|---------------------|----------------|
| Surface Elevation (ft)          |                     | 1201.5         | Surface Elevation (ft)          |                     | 1200.5         | Surface Elevation (ft)          | 1                   | 1200.5         |
| Top of Casing elevation (ft)    |                     |                | Top of Casing elevation (ft)    |                     | 1200.3         | Top of Casing elevation (ft)    |                     | 1200.34        |
| Top of Screen Elevation (ft)*   |                     |                | Top of Screen Elevation (ft)*   |                     |                | Top of Screen Elevation (ft)*   |                     | 1171.5         |
| Bottom of Screen Elevation (ft) |                     | 1166.5         | Bottom of Screen Elevation (ft) |                     | 1183.5         | Bottom of Screen Elevation (ft) |                     | 1166.5         |
| Well Diameter                   |                     | 2-inch         | Well Diameter                   |                     | 2-inch         | Well Diameter                   |                     | 2-inch         |
| Installed                       |                     | 12/18/1996     | Installed                       |                     | 12/5/1996      | Installed                       |                     | 12/17/1996     |
| Meas. Date                      | Depth to Water (ft) | Elevation (ft) | Meas. Date                      | Depth to Water (ft) | Elevation (ft) | Meas, Date                      | Depth to Water (ft) | Elevation (ft) |
| 8/29/2012                       | 12.31               | 1189.02        | 8/29/2012                       | 11.38               | 1188.92        | 8/29/2012                       | 11.44               | 1188.90        |
| 8/8/2014                        | 9.55                | 1191.78        | 8/8/2014                        | NM                  |                | 8/8/2014                        | NM                  |                |
| 11/18/2014                      | 8.73                | 1192.60        | 11/18/2014                      | NM .                |                | 11/18/2014                      | NM                  |                |
|                                 |                     |                |                                 |                     |                |                                 |                     |                |

| MW-300                          |                     |                | PZ-300                          |                     |                | MW-400                          |                     |                | PZ-400                          |                     |                |
|---------------------------------|---------------------|----------------|---------------------------------|---------------------|----------------|---------------------------------|---------------------|----------------|---------------------------------|---------------------|----------------|
| Surface Elevation (ft)          |                     |                | Surface Elevation (ft)          |                     | 1200.5         | Surface Elevation (ft)          |                     | 1200           | Surface Elevation (ft)          |                     | 1200           |
| Top of Casing elevation (ft)    |                     |                | Top of Casing elevation (ft)    |                     |                | Top of Casing elevation (ft)    |                     |                | Top of Casing elevation (ft)    |                     | 1199.89        |
| Top of Screen Elevation (ft)*   |                     |                | Top of Screen Elevation (ft)*   |                     |                | Top of Screen Elevation (ft)*   |                     |                | Top of Screen Elevation (ft)*   |                     | 1172.5         |
| Bottom of Screen Elevation (ft) |                     | 1184.75        | Bottom of Screen Elevation (ft) |                     | 1165.1         | Bottom of Screen Elevation (ft) |                     | 1185           | Bottom of Screen Elevation (ft) |                     | 1167.5         |
| Well Diameter                   |                     | 2-inch         | Well Diameter                   |                     | 2-inch         | Well Diameter                   |                     | 2-Inch         | Well Diameter                   |                     | 2-inch         |
| Installed                       |                     | 12/5/1996      | Installed                       |                     | 12/17/1996     | Installed                       |                     | 12/4/1996      | Installed                       |                     | 12/3/1996      |
| Meas. Date                      | Depth to Water (ft) | Elevation (ft) | Meas. Date                      | Depth to Water (ft) | Elevation (ft) | Meas, Date                      | Depth to Water (ft) | Elevation (ft) | Meas. Date                      | Depth to Water (ft) | Elevation (ft) |
| 8/29/2012                       | 11.93               | 1188.66        | 8/29/2012                       | 11.83_              | 1188.62        | 8/29/2012                       | 11.23               | 1188.55        | 8/29/2012                       | 11.28               | 1188.61        |
| 8/8/2014                        | NM                  | I              | 8/8/2014                        |                     |                | 8/8/2014                        | NM .                |                | 8/8/2014                        | 8,61                | 1191.28        |
| 11/18/2014                      | NM                  |                | 11/18/2014                      | NM_                 |                | 11/18/2014                      | NM                  |                | 11/18/2014                      | 7.88                | 1192.01        |
|                                 |                     | l              | l                               |                     |                | I                               | I                   |                | 1                               |                     | 1 _            |

| MW-500                          |                     |                | MW-600                          |                     |                | PZ-600                          |                     |                |
|---------------------------------|---------------------|----------------|---------------------------------|---------------------|----------------|---------------------------------|---------------------|----------------|
| Surface Elevation (ft)          |                     | 1201           | Surface Elevation (ft)          |                     | 1202           | Surface Elevation (ft)          |                     | 1201.75        |
| Top of Casing elevation (ft)    |                     | 1200.96        | Top of Casing elevation (ft)    |                     | 1201.96        | Top of Casing elevation (ft)    |                     | 1201.69        |
| Top of Screen Elevation (ft)*   |                     | 1196           | Top of Screen Elevation (ft)*   |                     | 1195.5         | Top of Screen Elevation (ft)*   |                     | 1198.75        |
| Bottom of Screen Elevation (ft) |                     | 1186           | Bottom of Screen Elevation (ft) |                     | 1185.5         | Bottom of Screen Elevation (ft) |                     | 1193.75        |
| Well Diameter                   |                     | 2-inch         | Well Diameter                   |                     | 2-Inch         | Well Diameter                   |                     | 2-inch         |
| Installed                       |                     | 12/6/1996      | Installed                       |                     | 4/14/1997      | Installed                       | !                   | 4/14/1997      |
| Meas, Date                      | Depth to Water (ft) | Elevation (ft) | Meas. Date                      | Depth to Water (ft) | Elevation (ft) | Meas, Date                      | Depth to Water (ft) | Elevation (ft) |
| 8/29/2012                       | 12                  | 1188.96        | 8/29/2012                       | 12.57               | 1189.39        | 8/29/2012                       | 12.34               | 1189.35        |
| 8/8/2014                        | NM                  |                | 8/8/2014                        | 10.29               | 1191.67        | 8/8/2014                        | 9.85                | 1191.84        |
| 11/18/2014                      | NM                  |                | 11/18/2014                      | 9.17                | 1192.79        | 11/18/2014                      | 8.85                | 1192.84        |
|                                 |                     |                |                                 |                     |                |                                 |                     | .,             |

| MW-700                          |                     |                | PZ-700                          |                     |                | MW-800                          |                     |                | PZ-800                          |                     |                |
|---------------------------------|---------------------|----------------|---------------------------------|---------------------|----------------|---------------------------------|---------------------|----------------|---------------------------------|---------------------|----------------|
| Surface Elevation (ft)          |                     | 1202           | Surface Elevation (ft)          |                     |                | Surface Elevation (ft)          |                     | 1200.25        | Surface Elevation (ft)          |                     | 1199           |
| Top of Casing elevation (ft)    |                     |                | Top of Casing elevation (ft)    |                     | 1203.36        | Top of Casing elevation (ft)    |                     | 1200.03        | Top of Casing elevation (ft)    |                     | 1198.99        |
| Top of Screen Elevation (ft)*   |                     | 1200           | Top of Screen Elevation (ft)*   |                     | 1170.5         | Top of Screen Elevation (ft)*   |                     | 1196.25        | Top of Screen Elevation (ft)*   |                     | 1168           |
| Bottom of Screen Elevation (ft) |                     | 1190           | Bottom of Screen Elevation (ft) |                     |                | Bottom of Screen Elevation (ft) |                     | 1186.25        | Bottom of Screen Elevation (ft) |                     | 1163           |
| Well Diameter                   |                     | 2-inch         | Well Dlameter                   |                     | 2-inch         | Well Diameter                   |                     | 2-inch         | Well Diameter                   |                     | 2-inch         |
| Installed                       |                     | 4/15/1997      | Installed                       |                     | 4/15/1997      | Installed                       |                     | 6/10/1997      | Installed                       |                     | 6/10/1997      |
| Meas. Date                      | Depth to Water (ft) | Elevation (ft) | Meas. Date                      | Depth to Water (ft) | Elevation (ft) | Meas, Date                      | Depth to Water (ft) | Elevation (ft) | Meas. Date                      | Depth to Water (ft) | Elevation (ft) |
| 8/29/2012                       | 15.26               | _1189.46       | 8/29/2012                       | 14.02               | 1189.34        | 8/29/2012                       | 11.18               | 1188.85        | 8/29/2012                       | 10.14               | 1188.85        |
| 8/8/2014                        | NM                  |                | 8/8/2014                        | NM                  |                | 8/8/2014                        | NM                  |                | 8/8/2014                        | NM                  |                |
| 11/18/2014                      | NM                  |                | 11/18/2014                      | NM                  |                | 11/18/2014                      | NM                  |                | 11/18/2014                      | NM                  |                |
|                                 |                     |                |                                 |                     |                |                                 |                     |                |                                 |                     |                |

| MW-900                          |                     |                | PZ-900                          |                     |                |
|---------------------------------|---------------------|----------------|---------------------------------|---------------------|----------------|
| Surface Elevation (ft)          |                     |                | Surface Elevation (ft)          |                     | 1199           |
| Top of Casing elevation (ft)    |                     | 1198.9         | Top of Casing elevation (ft)    |                     | 1198.82        |
| Top of Screen Elevation (ft)*   |                     | 1195.5         | Top of Screen Elevation (ft)*   |                     | 1170           |
| Bottom of Screen Elevation (ft) |                     | 1185.5         | Bottom of Screen Elevation (ft) |                     | 1165           |
| Well Diameter                   |                     | 2-inch         | Weil Diameter                   |                     | 2-inch         |
| Installed                       |                     | 6/10/1997      | Installed                       |                     | 6/11/1997      |
| Meas. Date                      | Depth to Water (ft) | Elevation (ft) | Meas. Date                      | Depth to Water (ft) | Elevation (ft) |
| 8/29/2012                       | 10.59               | 1188.31        | 8/29/2012                       | 10.48               | 1188.34        |
| 8/8/2014                        | NM                  |                | 8/8/2014                        | NM                  |                |
| 11/18/2014                      | NM                  |                | 11/18/2014                      | NM                  |                |
|                                 |                     |                | N                               |                     |                |

**Table 4: Natural Attenuation Data** 

Webster Pig Farm Donald, Wisconsin Meridian No. 05F784

| Well            | DO                | pН   | Conductivity | Temp        |
|-----------------|-------------------|------|--------------|-------------|
| Units           | mg/l              |      | uS           | Ç           |
| MW-600          |                   |      |              |             |
| 11/18/2014      | 1                 | 6.75 | 118.3        | 11          |
|                 |                   |      | 1            | ·           |
| PZ-600          |                   |      |              |             |
| 11/18/2014      | 1                 | 7.12 | 115.4        | 11.8        |
| , , , , , , , , |                   |      | "            | 1           |
| PZ-100          |                   |      |              | •           |
| 11/18/2014      | 3                 | 6.85 | 201.4        | 9.7         |
|                 |                   |      |              | , ,         |
| PZ-400          | , , , , , , , , , |      |              | , , , , , , |
| 11/18/2014      | 1                 | 7.79 | 1276         | 9.3         |
|                 |                   |      |              | •           |
| Pig Farm Well   | -                 |      |              |             |
| 11/18/2014      | 2                 | 8.85 | 184.3        | 9.4         |
|                 | ,                 |      |              |             |

DO measured using ampules pH, conductivity, temperature measured with Oakton Multiparameter Testr 35

## APPENDIX B

Cedar Corp – Geoprobe Data



715-235-9081 800-472-7372 Fax • 715-235-2727 www.cedarcorp.com

August 15th, 2007

WDNR Attn: Jill Zalesny 107 Sutliff Avenue Rhinelander, WI 54501

SUBJECT: Reporting for the Donald Store - Donald, WI

Dear Ms. Zalesny:

Cedar Corporation has completed the geologic logging of three geoprobe borings, as well as, the collection and analysis of soil and water for Photoionization and volatile organic compounds (VOC's) at the former general store in Donald, WI. The geoprobe borings extended to a perched water table located between 10 and 12 feet below ground surface (bgs). Photoionization readings were taken at two foot intervals and are recorded on the attached soil boring logs. Two VOC samples were collected per boring as well as the collection of a groundwater sample through a temporary well screen. The analytical results from the sampling are recorded in the attached Table 1. Analytical results, soil boring logs and soil boring abandonment forms are enclosed for your review.

If you have any questions regarding the project, please do not hesitate to contact me at 800-472-7372. Thank you for your continued cooperation. Have a very pleasant day.

Sincerely,

CEDAR CORPORATION

Kathryn DesForge, Soil Scientist

**Enclosures** 

TABLE 1 DONALD STORE DONALD, WI

|                |                 |                | * * *            |                         | *          |             |          |             |                   | 1.09 1.00 | 1 1 4     |           |         |
|----------------|-----------------|----------------|------------------|-------------------------|------------|-------------|----------|-------------|-------------------|-----------|-----------|-----------|---------|
|                |                 | :              |                  |                         |            |             |          | Resu        | Its reported in u | g/Kg      | •         |           |         |
|                |                 |                |                  | ĺ                       | Benzene    | E - Benzene | 1,2-D.CA | MTBE        | Naphthalene       | Toluene   | 1,2,4 TMB | 1,3,5 TMB | Xylenes |
| Wis Adm. Co    | de NR720, Ta    | able 1 & 2, Re | esidual Contami  | nant Levels             | 5,5        | 2,900       | 5        | NS          | NS NS             | 1,500     | NŜ        | NS        | 4,100   |
| Wis Adm. Co    | de NR746.06     | Table 1, Re    | sidual Petroleun | n Product               | 8,500      | 4,600       | 600      | NS          | 2,700             | 38,000    | 83,000    | 11,000    | 42,000  |
| Wis Adm. Co    | de NR746.06     | Table 2, Dir   | eot Contact      |                         | 1,100      | NS          | 540      | Ne          | NS                | NS        | NS        | NS        | NS      |
| Boring<br>Name | Sample<br>Depth | Sample<br>Date | Laboratory ID    | Dissolved<br>Iron mg/kg |            |             |          |             |                   |           |           |           |         |
| G1             | 4'              | 4/6/2007       | WQD0365-01       |                         | 35         | 120         | <30      | <30         | 360               | <30       | 420       | 420       | 330     |
| G1             | 10.5'           | 4/6/2007       | WQD0365-02       |                         | <30        | 70.         | <30      | <30         | 220               | <30       | 270       | 530       | 130     |
| G1             | 10.5'           | 4/11/2007      | WQD0484-01       |                         | <0.20      | <0,50       | <0.50    | <0.50       | 0.4               | <0.20     | 0.28      | 10        | <0.50   |
| G2             | 4'              | 4/6/2007       | WQD0365-03       |                         |            |             |          |             |                   |           |           |           |         |
| G2             | 8'              | 4/6/2007       | WQD0365-04       |                         | <28        | <28         | <28      | <28         | <55               | <28       | 50        | <28       | <94     |
| G2             | 10'             | 4/6/2007       | WQD03,65-05      | ı.                      | <30        | <30 ⟨       | <30      | <30         | 62                | <30       | 250       | 120       | 210     |
| Ģ2             | 10'             | 4/6/2007       | WQD0365-08       |                         | <u>l</u> 1 | 0.88        | <0.50    | <0.50       | 39                | 4.5       | 77        | Ž3        | 190     |
| G3             | 4'              | 4/6/2007       | WQD0365-06       | ,                       | <31        | <31         | <31      | <31         | <61               | <31       | <31       | <31       | <100    |
| G3             | 10'             | 4/6/2007       | WQD0365-07       |                         | <29        | <29         | <29      | <b>≺</b> 29 | <67               | <29       | <29       | <29       | <97     |
| G3             | 10'             | 4/11/2007      | WQD0484-02       |                         | <20        | <0.50       | <0.50    | <0.50       | <0.25             | <0.20     | <0.20     | <0.20     | <0.50   |

| MTBE =   | Melhyl tert butyl elher |
|----------|-------------------------|
| TMB = TI | rimelhvibenzene         |

E-Benzene = Elhylbenzene ug/Kg= mlcrograms per kllogram = ppb = parts per billion 1,2-DCA = 1,2 Dichloroetham mg/Kg= mllligrams per kllogram = ppm = parts per mlllion Values in Bold Typeface exceed ilsted (able value:

IU = Instrument Units

NA = Not Analyzed NS = No Standard Established

#### DONALD STORE DONALD, WI

|      |                |                 |                              |                       |                         |              |               |         |       |                   |         |           | ·         |         |
|------|----------------|-----------------|------------------------------|-----------------------|-------------------------|--------------|---------------|---------|-------|-------------------|---------|-----------|-----------|---------|
| •    |                |                 | ;                            |                       |                         |              |               |         | Resu  | its reported in u | g/Kg    |           |           |         |
|      |                |                 | <u> </u>                     | ·                     |                         | Benzene      | E - Benzene   | 1,2-DCA | MTBE  | Naphthalene       | Toluene | 1,2,4 TMB | 1,3,5 TMB | Xylenes |
|      | Wis Adm. Co    | de NR720, T     | able 1 & 2, R                | lesidual Contam       | inant Levels            | 5.5          | 2,900         | 5       | NS    | NS ,              | 1,500   | NS        | NS        | 4,100   |
| •    |                |                 |                              | esidual Petroleur     | n Product               | 8,500        | 4,600         | 600     | NS    | 2,700             | 38,000  | 83,000    | 11,000    | 42,000  |
|      | Wis Adm. Co    | de NR746.06     | Table 2, Di                  | rect Contact          |                         | 1,100        | NS            | 540     | NS    | NS                | NS      | NB        | NS        | NS      |
| /pe  | Boring<br>Name | Sample<br>Depth | Sample<br>Date               | Laboratory ID         | Dissolved<br>Iron mg/kg |              |               |         |       |                   |         |           |           |         |
| . N  | G1.            |                 |                              | in Triesport like     |                         | <b>3</b> 5   | 120           | <30     | <30   | 360               | <30     | 420       | 420       | 330     |
| • ** | G1 '           | 10.5            |                              | in the light as pair. |                         | ₹30          | 70            | <30     | <30 ⋅ | 220               | <30     | 270       | 530       | 130     |
| •    | G1 ·           | 10.5'           | Calaballan                   |                       |                         | 0.20         | <0.50         | <0.50   | <0.50 | 0.4               | <0.20   | 0.28      | 10        | <0.50   |
| V.   | G2             | 4'              | Benediction.                 | Harring Pay           |                         | ħ.           |               |         |       |                   |         |           |           | :       |
| 1    | G2             | 8'              |                              |                       |                         | <28          | <28           | <28     | <28   | <b>&lt;</b> 55    | <28     | .50       | <28       | <94     |
| ١    | / G2           | 10'             | HARDON CONTRACTOR CONTRACTOR |                       | はいいないという。               | <b>430</b>   | <30           | <30     | <30   | 62                | <30     | 250       | 120       | 210     |
| ٠    | 4 G2.          | 10'             | 製物學的                         |                       |                         | 1            | 0.88          | <0.50   | <0.50 | 39                | 4.5     | 77        | 28        | 190     |
| SOU  | 2 G3           | 4'              |                              | West of the same      |                         | <31          | <31           | <31     | <31   | <61               | <31     | <31       | <31       | <100    |
| Ų    | (G3            | 10 <sup>i</sup> |                              |                       | 阿特斯斯                    | <b>№</b> <29 | <b>&lt;29</b> | <29     | <29   | <57               | <29     | <29       | <29       | <97     |
| h    | .G3            | 10'             | Honecon                      |                       | Emile<br>Top better     | 20           | <0.50         | <0.50   | <0.50 | <0.25             | <0.20   | <0.20     | <0.20     | <0,50   |

MTBE = Methyl tert butyl ether TMB = Trimethylbenzene

E-Benzene = Ethylbenzene 1,2-DCA = 1,2 Dichloroethan ug/kg= micrograms per kilogram = ppb = parts per billion mg/Kg= milligrams per kilogram = ppm = parts per million

IU = Instrument Units NA = Not Analyzed

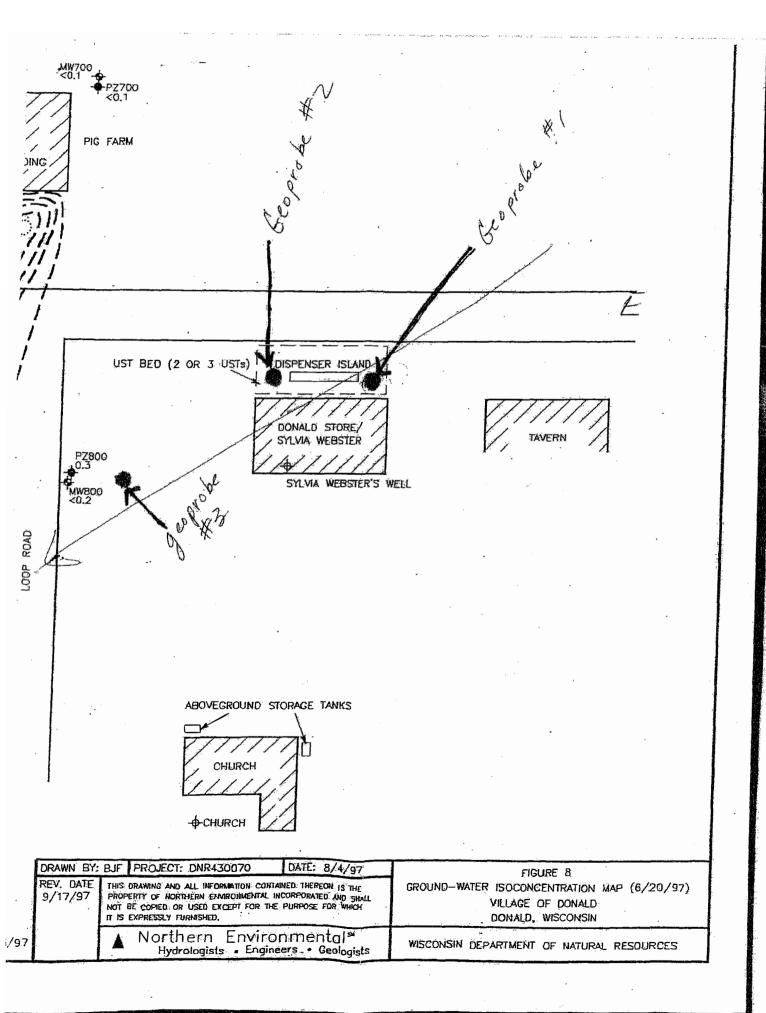
Values in Bold Typeface exceed listed table value.

NS = No Standard Established





soil samples taken at different depths
water sample taken - one per boring



| Departi                         |                                 | consin<br>of Natu |               | esource<br>Route I     |  | daalaarintaa 🗂  | \&/                | <b>.</b>   | . 🗀              |             |                            |              | 4400-12                 |                     | INFOR           | RMATIC              |                     | v. 7-9    |
|---------------------------------|---------------------------------|-------------------|---------------|------------------------|--|---|--------------------|------------|------------------|-------------|----------------------------|--------------|-------------------------|---------------------|-----------------|---------------------|---------------------|-----------|
|                                 |                                 |                   |               | rioute I               |  | d/Wastewater   edevelopment                                       | .vvaste N          | Other x    |                  |             |                            |              |                         |                     | Page            |                     | 1 of                |           |
| Facility/                       |                                 |                   | ne            |                        | <del></del>  |   |                    |            | License/F        | Permit/N    | /onitoring                 | Numb         | ег                      |                     | y Numb          | _                   |                     |           |
| Donald<br>Boring l<br>Tust Name | Drille                          |                   | lame          | of crew                | chief (first, last) an                                   | d Firm  |                    |            | Date Dri         |             |                            |              | Drilling<br>4 6         | G1<br>Compl<br>200  |                 | Drillin             | g Meth              | nod       |
|                                 |                                 | Soil &            | Säm           | nles II                | LC SGS   |   |                    |            | 4 6              | 200         | <i>ነ</i><br><u>የ የ የ</u> የ | €            |                         |                     | YYY             | Geog<br>⊼           | brone.              |           |
| VI Uniqu                        |                                 |                   |               |                        | R Well ID No.  | Common Well N   | ame                |            | Final Sta        | ic Wate     | er Level                   | ร            | urtace l                | Elevation<br>Feet M | חו              | Borel               | iole Dia<br>2 Inche |           |
| ocal G<br>tate Pl               |                                 | rigin 🗆           | (es           | timated<br>N           |  | Boring Location E S/C/N   |                    |            | 1                |             |                            | Local        | Grid Lo                 |                     |                 |                     |                     |           |
| E 1/4                           |                                 | SW 1              | <i>!</i> 4    |                        | Sec. 17 ,T   | 32 N, R   | 4 W                |            | Lat 90<br>Lor 45 |             | 48.12"<br>8.88"            |              | Fee                     | 4 □<br>3 □ :        |                 | Fee                 | □ E<br>V 📹 t        |           |
| acility                         | ID                              |                   |               |                        | Gounty<br>Taylor   |   |                    | DNR Cou    | inty Code        | Civil       | Town/Cit<br>of Persh       | or Vi<br>ing | ilage                   |                     |                 |                     |                     |           |
| Samp                            | ple                             |                   | T             | (60)                   | <del></del> -  | <del></del>   |                    | 1          |                  |             |                            |              |                         | S                   | il Proper       | tles                |                     |           |
| and Type                        | Length Att. &<br>Recovered (In) | Blow Counts       | Depth in Feet | (Bolow ground surface) |  | Soll/Reck Description<br>d Geological Origin F<br>Each Major Unit |                    |            | USCS             | Graphic Log | Well Diagram               | PIC ppm      | Compressive<br>Strength | Moisture<br>Content | Liquid<br>Limit | Plasiicity<br>Index | P-200               | RQD/      |
|                                 |                                 |                   | $\vdash$      | /                      | of gravel base coarse                                    | _ <del></del>   |                    |            | wa               | -           |                            |              |                         | M.                  |                 |                     |                     | -         |
|                                 | 48                              |                   | E             | Sar                    | iorizon Sandy Loam 10<br>idy Clay Loam 10YR 50<br>gravel | YR 3/3 with 9% grave<br>2 & 5/6, redox deplet                     | ei<br>Jous, & acci | inulations | SM               | -           |                            | 6.9          |                         | M                   |                 |                     |                     |           |
| İ                               |                                 |                   | F             | San                    | idy Clay Loam 10YR 5/<br>6 gravel                        | 2 & 4/4, redox deplet   | ions & accu        | mulations  | sc               |             |                            | 37.4         |                         | м                   |                 | -                   |                     |           |
|                                 |                                 |                   | E             | San                    | ndy Clay Loam 10YR 5/<br>6 gravel                        | 2.8.474. redox deplet   | ions & accu        | mulations  | SC               |             |                            |              |                         | М                   | :               |                     |                     |           |
|                                 | 48                              |                   | E             | San                    | dy Loam dense Till 5¥I                                   | R 3/4 with 6% gravel  |                    |            | SM               |             |                            | 1.2          |                         | М                   |                 |                     | `                   |           |
| _                               |                                 |                   |               | · ·                    | del gom done Till EVI                                    | 2/45/41h 50/ 00/41  |                    |            |                  |             | -                          | 0.2          |                         | м                   |                 |                     |                     |           |
|                                 |                                 |                   | E             |                        | dy Loam dense Till 5YF                                   | K.314 WIII 6% gravel  |                    |            | , SM,            |             |                            |              |                         | M                   |                 |                     |                     |           |
|                                 | 48                              |                   |               | 10<br>wate             | ਮਾ al 11'  |   |                    |            |                  |             |                            | 1,0          |                         | M-W                 |                 |                     |                     |           |
|                                 |                                 |                   |               |                        |  | nd of Bonng 12  | <del></del>        |            |                  |             | 1                          |              | }                       | W                   |                 |                     |                     |           |
|                                 | 1                               |                   |               |                        |  |   |                    |            |                  |             |                            |              |                         | ŀ                   |                 |                     |                     | -         |
|                                 |                                 | .                 |               |                        |  |   |                    |            |                  |             | :                          |              |                         |                     |                 |                     |                     |           |
|                                 |                                 |                   | _             |                        |  |   |                    |            |                  |             |                            |              |                         |                     |                 |                     |                     |           |
|                                 |                                 |                   |               |                        |  |   |                    |            |                  |             |                            |              | 1                       |                     |                 |                     |                     |           |
|                                 |                                 |                   |               |                        |  |   |                    |            |                  | -           |                            |              |                         |                     |                 |                     |                     |           |
|                                 |                                 | F                 | 2             | 20                     |  |   |                    |            |                  |             |                            |              |                         |                     | ľ               |                     |                     |           |
|                                 | 1                               |                   | =             |                        |  |   |                    |            |                  |             | :                          |              |                         |                     |                 |                     |                     |           |
|                                 | -                               | Ė                 | =             |                        |  |   |                    |            |                  |             |                            | -            |                         |                     |                 |                     |                     |           |
|                                 |                                 |                   |               | 5                      |  |   |                    |            |                  |             | 1                          |              |                         |                     |                 |                     |                     |           |
|                                 |                                 |                   | _             |                        |  |   |                    |            |                  |             |                            |              |                         |                     | 1               |                     |                     |           |
|                                 |                                 |                   |               |                        |  |   |                    |            |                  |             |                            |              |                         |                     |                 |                     |                     |           |
|                                 |                                 | E                 | _             |                        | ,  |   |                    |            |                  |             | :                          |              |                         |                     |                 |                     | ٠.                  |           |
|                                 |                                 |                   | 3(            | )                      |  |   |                    |            |                  |             |                            |              |                         |                     |                 |                     |                     |           |
| ebν cε                          | ertify t                        | hat the           | infon         | nation                 | on this form is true                                     | and correct to the  | best of m          | y knowledg | e                |             |                            |              |                         |                     | _==             |                     |                     | <u></u> _ |

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|                    | of Wis                          |             |       | Doci                                    | Outc  | oc.       |          |          |          |                       |                       |           |                 |        |         |                 |                   |          |                         | NG LO               | G INFO    | RMAT                |              |       |
|--------------------|---------------------------------|-------------|-------|---|-------|-----------|----------|----------|----------|-----------------------|-----------------------|-----------|-----------------|--------|---------|-----------------|-------------------|----------|-------------------------|---------------------|-----------|---------------------|--------------|-------|
| nehy               | riment                          | U IVAL      | 내례    |   | ourc  | to:       |          |          |          |                       | ater 🗆                | Waste A   | tanagen<br>Othe | nent C | 3       |                 |                   | Low      | 4400-1                  | 4.2                 |           |                     | Re           | ev, 7 |
|                    |                                 |             |       |   |       | •         | reinen   | nation p | n reide  | A CIG DUI             | en. O                 |           | Oinic           | 'LJ _  |         | area et if      | <u> </u>          |          |                         |                     | Page      |                     | 1 of         |       |
|                    | y <i>l</i> Pr je                |             | пе    |   |       |           | -,       |          |          |                       |                       |           |                 | Li     | cense/  | Permit          | Monitorin         | g Numb   | per                     |                     | g Numb    | er                  |              |       |
|                    | d Store                         |             | Marr  | e of                                    | crev  | uchia     | f /firet | loct)    | and F    | ili m                 |                       |           |                 |        | oto Dri | lling Si        | ndod .            | Data     | Delline                 | G2<br>Comp          | leitord   | Tro-sub             | ng Meth      | h on! |
| First Nan          |                                 | U Dy. I     | 11011 | IE 01                                   | CICI  |           | N AI     |          | die i    | Atti                  |                       |           |                 |        | 4 6     | 200             |                   |          | 4. 6                    | 200                 |           |                     | probe        |       |
| Firm:              | Geiss                           | Soil 8      | k Sa  | mple                                    | es, L | LC        | ses      |          |          |                       |                       |           |                 | N      | MI      | ם כ             | YYY               | Y M      | MD                      | DY                  | ΥΥ        | ΥĪ                  |              |       |
| MUnic              | que We                          | l No.       |       | T                                       | DN    | IR Wel    | I ID No  | ).       | C        | ommon                 | Well Na               | me        |                 | Fi     | nal Sta | tic Wat<br>Feet | er Level          | s        | Surface                 | Elevation Feet N    |           |                     | hole Di      |       |
| Local              | Grid O                          | rigin F     | 7 (   | estin                                   | nate  | d:l T     | 7        | - 0/     | r Br     | oring (.c             | ecation               |           |                 |        |         | 1.660           | IVIOL             | Local    | I Grid L                | ocation             |           | <u> </u>            | 2 inch       | es    |
| State !            | Plane                           |             |       |   | ^     |           | <b>,</b> |          |          | SICIN                 |                       | •         |                 | 1.     | 4 00    |                 | 45 500            |          |                         | ,                   |           |                     |              | _     |
| VE 1/4             | !                               | SW 1        | 14    |   |       | Sec       | . 17     | 7        | T        | 32 Ń,                 | R A                   | . W       |                 | La     |         |                 | - 47.73"<br>8,90" |          | Fee                     | 1. ☐<br>3. ☐ 3:     |           | Fee                 | 1 □<br>/ □ ½ |       |
| acility            |                                 | <u> </u>    |       |   |       | Cou       |          |          |          | (4)                   |                       |           |                 | County |         | Civil           | Town/Ci           | ty/ or V |                         |                     |           |                     |              |       |
|                    |                                 |             |       |   |       |           | Ťay      | lor      |          |                       |                       |           | 6               |        |         | Town            | of Persi          | ning     |                         |                     |           |                     |              |       |
| San                | nple                            | ]           | T     |   | -     |           |          |          |          |                       |                       |           |                 |        |         |                 |                   |          |                         | S                   | oji Prope | ries                |              |       |
|                    | =                               |             |       | Depth in Feet<br>(Below ground surface) |       |           |          |          | Soiti    | Rock De               | scription             |           |                 |        |         |                 | _                 |          |                         |                     |           |                     |              |       |
| - B. G.            | 1 S                             | Blow Counts | }.    | 9. E                                    |       |           |          |          | And G    | eologica              | Origin Fo             | or ·      |                 |        | υj      | Graphic Log     | Well Dlagram      | £        | Compressive<br>Strength | a re                | 2         | ĕ×                  | ۰            | ROD/  |
| Number<br>and Type | gth                             | ΰ           |       | 5 5                                     |       |           |          |          | TE:      | ach Maj               | or Onit               |           |                 |        | USCS    | , Å             |                   | PIO ppm  | npre                    | Moisture<br>Content | Liquid    | Plasticity<br>Index | P 200        | 702   |
| - ñ                | Length Att. &<br>Recovered (in) | 8           |       |   |       |           |          |          |          |                       |                       |           |                 |        | _       | Ö               | Me                | ۵.       | Sos                     | 20                  |           | 0.                  |              |       |
|                    |                                 | -           | +     |   | ì     | of gra    | vel bas  | se coar  | se       |                       |                       |           |                 |        | SW      |                 |                   |          |                         | M.                  |           |                     |              |       |
|                    |                                 |             |       |   | ľ     |           |          |          |          | a'/a with             | 8% grave              | i         |                 |        | SM      |                 |                   |          |                         | .м                  |           |                     |              |       |
|                    | 48                              |             |       |   |       | 201       | . Ganaj  | ,        |          | Se min                | ->~ 21000             |           |                 |        | 3       |                 |                   | 0,4      |                         |                     |           |                     |              |       |
|                    | -40                             |             |       | _                                       |       |           |          |          |          |                       |                       |           |                 |        |         |                 |                   |          |                         |                     |           |                     |              | :     |
| 1                  |                                 |             | 上     |   | 1000  | 2 de 1912 |          | - 40Vr   | na Pri e | e in ia n             | 106                   |           | latina 6        |        | - 70    |                 |                   | 0;B      |                         |                     |           |                     |              |       |
|                    |                                 |             | E     | 5                                       | Sar   | idy Los   | in den   | se Till  | 5YR 3/   | 5/2 W/10<br>4 with 11 | % gravel<br>1% gravel | redox det | euons &         | accumu | SE      |                 |                   |          |                         | W                   |           |                     | 1            |       |
|                    |                                 |             |       |   |       |           |          |          |          |                       |                       |           |                 |        |         |                 |                   | 10.6     |                         |                     |           |                     |              | ļ.    |
| 1                  | .48                             |             | 上     |   |       |           |          |          |          |                       |                       |           |                 |        |         |                 |                   |          |                         |                     |           |                     |              |       |
|                    |                                 |             | L     | -                                       |       |           |          |          |          |                       |                       |           |                 |        |         |                 |                   | -9960    |                         |                     |           |                     |              |       |
| 1                  | - 1                             |             | E     |   | San   | dy Loa    | m Till t | 5YR 3#   | 4        |                       |                       |           |                 |        | SM      |                 |                   |          |                         | М                   |           |                     |              |       |
|                    | 48                              |             | -     | 10                                      |       |           |          | •        |          |                       |                       |           |                 |        |         |                 |                   | 8405     | •                       | M-W                 |           |                     |              | ľ     |
| 1                  | - 1                             |             | F     |   | wale  | et al 10  | 0.51     |          |          |                       |                       |           |                 |        |         |                 |                   |          |                         | -₩-                 |           |                     |              |       |
|                    |                                 |             | F     |   | ]     |           |          |          |          |                       |                       |           |                 |        |         |                 |                   |          |                         | vy                  |           |                     |              |       |
| $-\Gamma$          |                                 |             | -     | -                                       |       |           |          |          | End      | of Boring             | 12'                   |           | -               |        |         |                 |                   |          |                         |                     |           |                     |              |       |
| - {                | - 1                             |             |       |   |       |           |          |          |          |                       |                       |           |                 |        | 1       |                 |                   |          |                         |                     |           |                     |              |       |
|                    |                                 |             |       |   |       |           |          |          |          |                       |                       |           |                 |        | - 1     |                 |                   | . *      |                         |                     |           |                     |              |       |
|                    | 1                               | ĺ           |       | -                                       |       |           |          |          |          |                       |                       |           |                 |        | 1       |                 | :                 |          |                         |                     | '         |                     |              |       |
|                    | 1                               | ļ           |       | 1                                       |       |           |          |          |          |                       |                       |           |                 |        | - 1     |                 |                   |          |                         |                     |           |                     |              |       |
|                    |                                 | Į           |       | - {                                     |       |           |          |          |          |                       |                       |           |                 |        |         |                 |                   |          |                         |                     |           |                     |              |       |
|                    |                                 | ļ           |       | 1                                       |       |           |          |          |          |                       | ,                     |           |                 |        |         |                 |                   |          |                         |                     |           |                     |              |       |
|                    |                                 | 1           | =     |   |       |           |          |          |          |                       |                       |           |                 | -      |         |                 |                   |          |                         |                     |           |                     |              |       |
|                    | 1                               | t           | _     | 20                                      |       |           |          |          |          |                       |                       |           |                 |        |         |                 |                   |          |                         |                     |           |                     |              |       |
|                    |                                 | - 6         | _     |   |       |           |          |          |          |                       |                       |           |                 |        | 1       |                 | ,                 |          |                         |                     |           |                     |              |       |
|                    |                                 | E           | _     |   |       |           |          |          |          |                       |                       |           |                 |        |         |                 |                   | :        |                         |                     |           |                     |              |       |
|                    | - 1                             | F           | _     |   |       |           |          |          |          |                       |                       |           |                 |        |         |                 |                   |          |                         |                     |           |                     |              |       |
|                    | 1                               | F           | _     | 1                                       |       |           |          |          |          |                       |                       |           |                 |        | -       |                 |                   |          |                         |                     |           |                     |              |       |
|                    | 1                               | F           |       | 25                                      |       |           |          |          |          |                       |                       |           |                 |        | -       |                 |                   |          |                         |                     |           |                     |              |       |
|                    |                                 |             | _     |   |       |           |          |          |          |                       |                       |           |                 |        |         |                 |                   |          |                         |                     |           |                     |              |       |
|                    | Ţ                               | F           | _     |   |       |           |          |          |          |                       |                       |           |                 |        |         |                 |                   |          |                         |                     |           |                     |              |       |
|                    |                                 | F           |       |   |       |           |          |          |          |                       |                       |           |                 |        |         |                 |                   | -        |                         |                     |           |                     |              |       |
|                    | - 1                             | E           | _     |   |       |           |          |          |          |                       |                       |           |                 |        |         |                 |                   |          |                         |                     |           |                     |              |       |
|                    | 1                               |             | _     | 30                                      |       |           |          |          |          |                       |                       |           |                 |        |         |                 |                   |          |                         |                     |           |                     |              |       |
|                    |                                 | 1           |       | 301                                     |       |           |          |          |          |                       |                       |           |                 | - 1    |         |                 | - 1               |          |                         | - 1                 |           |                     |              |       |
| aby c              | ertify ti                       | nat the     | info  | 1                                       | tion  | on thi    | s form   | is tru   | ie and   | correc                | t to the t            | est of m  | y knowl         | edge,  |         |                 |                   |          |                         |                     |           |                     |              |       |
| eby c              |                                 | nat the     |       | orma                                    | ~     |           |          | ı is tru | ie and   | соггес                | t to the t            | est of m  | y knowl         | edge,  |         |                 |                   |          |                         |                     |           |                     |              |       |

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this report is mandatory. Failure to file this form may results in forfeiture of between \$10 and \$25,000, or impresonment for up to one year, depending on the program and conduct involved. Per onally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the form should be sent.

| _                           | -                               | consin      |               |                         |                        |                     |           |                                      |  |           |                  |                |          |                  |                   |             |                | ING LO               | S INFO          | RMATI               |                     | _      |
|-----------------------------|---------------------------------|-------------|---------------|-------------------------|------------------------|---------------------|-----------|--------------------------------------|--|-----------|------------------|----------------|----------|------------------|-------------------|-------------|----------------|----------------------|-----------------|---------------------|---------------------|--------|
| vepai                       | ıment                           | of Nati     | ural K        | Roul                    | e to:                  |                     |           | Wastewa<br>evelopmo                  |  | Waste N   | lanagem<br>Other |                | ] .      |                  |                   | Form        | 4400-1         | 122                  |                 |                     | Re                  | ev. 7  |
|                             |                                 |             |               |                         | 710                    | mea <sub>r</sub> an | Othin ICO | Crciopin                             | - in in in in in in in in in in in in in |           | Oille            | <u>ا</u> . ـــ | m4*1     |                  |                   |             |                |                      | Page            |                     | 1 of                |        |
|                             |                                 | ct Nan      | ne            |                         |                        |                     |           |                                      |  |           |                  | Li             | cense/F  | Permit/N         | Monitoring        | Numit       | өг             |                      | g·Numb          | per                 |                     |        |
| Donak<br>Boring<br>irst Nam | Store<br>Drille<br>Jeff         | d By. N     | Vame          | of cre                  | ew chief (             | first, las<br>Annis | st) and   | Firm                                 | mar                                      |           |                  |                | ate Dri  | lling Sta<br>200 |                   |             | Drillin<br>4 6 | G3<br>g Compl<br>200 | eted<br>7       | Drillin             | ig Meth             | joq    |
| irm:                        | Geis                            | s.Soil 8    | Sam           | ples,                   | LLC S                  | GS                  |           |                                      |  |           |                  | M              | M D      | <u> </u>         | YYY               | M           | M D            | D Y                  | YY              |                     |                     |        |
|                             | ue We                           |             |               |                         | NR Well I              |                     |           | Common                               |  |           | <u> </u>         | Fi             | nal Stat | fic Wate<br>Feet | r Level<br>VISL   |             | ,              | Elevation<br>Feet N  | ISL             |                     | nole Dia<br>2 inche |        |
| ocar<br>State F             | one O                           | ingin L     |               |                         | ed:□ )<br>N,           |                     | or E      | Boring Lo<br>S/C/N                   | cation[]                                 |           |                  | La             | t 90'    | ° 53'            | 48.38"            | Loca        | ) Gridi        | ocation              |                 |                     |                     | Ē      |
| E 1/4<br>acility            |                                 | SW 1        | <i>J</i> 4    |                         | Sec.                   |                     | ,Т        | 32 N                                 | R 4                                      | ¥ W       | DNR (            | Lo             |          |                  | 8.48"<br>Town/Cit | v/ or V     |                | et 🗆 S               |                 | Fee                 | t 🗀 V               |        |
|                             |                                 |             | T-            | —- <sub> </sub> -       |                        | Taylor              |           |                                      | ·  |           | 6                |                |          | Town             | of Persh          | ing:        |                | <del></del>          |                 |                     |                     | - -    |
| San                         |                                 | 1           |               | irface)                 |                        |                     | Ġ's       |                                      |  |           |                  |                |          |                  |                   |             | -              |                      | oi Prope        | ities               |                     | -      |
| and Type                    | Length Att. &<br>Recovered (In) | Blow Counts | Dépth în Feet | (B alow ground surface) |                        |                     | And (     | il/Rock De<br>Geological<br>Each Maj | Origin Fo                                | or        | ,                |                | USCS     | Graphic Log      | Well Diagram      | PID ppm     | Compressive    | Maisture             | Liquid<br>Limit | Plasticity<br>Index | P 200               | /Clore |
| 1                           | <u> </u>                        | <u> </u>    | $\vdash$      |                         | p họnzon               | Sandy Lo            | oam 10Y   | 'R 3/1                               |  |           |                  | <del></del>    | SM.      | -                |                   | <del></del> |                | - <del>M</del>       | ļ               |                     |                     | -      |
|                             | 48                              |             | E             | В                       | lt horizon É           | Sandy Lo            | am 10Y    | R 5/3 with                           | 8 % gravel                               |           |                  |                | SM.      | -                |                   | 0,0         |                | M                    |                 |                     |                     |        |
|                             |                                 |             |               |                         |                        |                     |           |                                      |  |           |                  |                |          |                  |                   | 0:0         |                |                      |                 |                     |                     |        |
|                             |                                 |             |               | 5 5                     | andy Loan<br>andy Loan | n 10YR 5<br>n dense | 73 with 6 | 3/4 with 79                          | edox acca<br>6 gravel                    | mulations | and depl         | etions         | SM       |                  | :                 | r           |                | M                    |                 |                     | :                   |        |
|                             | 48                              |             | E             |                         |                        |                     |           |                                      |  |           |                  |                |          | -                |                   | 0.0         |                |                      |                 |                     |                     |        |
| +                           |                                 |             | E             | Si                      | andy Loam              | Dense               | 18.5YR    | 3/4                                  |  |           | <u></u>          |                | SM       |                  |                   | 0.0         |                | M ·                  |                 |                     |                     |        |
|                             | 48                              |             | <u> </u>      | 10 w                    | aler at 10°            |                     |           |                                      |  |           |                  |                |          |                  |                   | 0.0         |                | M-M.                 |                 |                     |                     |        |
|                             |                                 |             |               | ŀ                       |                        |                     |           |                                      |  |           |                  |                |          |                  | Ē                 |             |                |                      |                 |                     |                     |        |
| 1                           |                                 |             |               | -                       |                        |                     | Enc       | d of Boring                          | 12                                       |           |                  |                | -        |                  |                   |             |                | W                    |                 |                     |                     |        |
|                             |                                 |             |               |                         |                        |                     |           |                                      |  |           |                  |                |          |                  |                   |             |                | :                    |                 |                     |                     |        |
|                             |                                 |             |               |                         |                        |                     |           |                                      |  |           |                  |                |          |                  |                   |             |                | ;                    |                 |                     |                     |        |
|                             |                                 | -           | _             |                         |                        |                     |           |                                      |  |           |                  |                |          |                  |                   |             |                |                      |                 |                     |                     |        |
|                             |                                 |             |               |                         |                        |                     |           |                                      |  |           |                  |                |          |                  | -                 |             |                |                      |                 |                     |                     |        |
|                             |                                 |             | = :           | 20                      |                        |                     |           |                                      |  |           |                  |                |          |                  |                   |             |                |                      |                 |                     |                     |        |
|                             |                                 | F           | _             | -                       |                        |                     |           |                                      |  |           |                  |                |          |                  |                   |             |                |                      |                 |                     |                     |        |
| -                           |                                 |             |               |                         |                        |                     |           |                                      |  |           |                  | -              | ŀ        |                  | 3                 | ·           |                |                      | Ì               |                     |                     |        |
| -                           |                                 |             | Ξ,            | ığı                     |                        |                     |           |                                      |  |           |                  | :              |          |                  |                   |             |                | 4                    |                 |                     |                     |        |
|                             |                                 |             | _ '           |                         |                        |                     |           |                                      |  |           |                  |                |          |                  | -                 |             |                | i                    |                 |                     |                     |        |
|                             |                                 |             |               |                         |                        |                     |           |                                      |  |           |                  |                |          |                  |                   | -           |                |                      |                 |                     |                     |        |
|                             |                                 | E           | _             |                         |                        |                     |           |                                      |  |           | ,                |                | ŀ        |                  |                   |             |                |                      |                 |                     |                     |        |
|                             |                                 |             | 3             |                         |                        |                     |           |                                      |  |           |                  |                |          |                  |                   |             |                |                      |                 |                     |                     |        |
| byc                         | entify t                        | hat the     | infor         | natio                   | n on this              | torm is             | true ar   | nd correc                            | t to the b                               | est of m  | y knowle         | edge.          | · · · ·  |                  | ·                 |             | <del>-</del> - |                      |                 |                     |                     | _      |
| ature                       | /                               | Kith        | ru.           | Dec                     | forge                  |                     |           |                                      |  | Finn<br>: | C                | 0              | de       | r                |                   |             |                |                      |                 |                     |                     |        |

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### State of Wisconsin Department of Natural Resources

### MONITORING WELL DEVELOPMENT

|  |                                 |          |        |  |   | Rev. 7-98   |
|--|---------------------------------|----------|--------|--|---|---|
| Route to: Watersh  |                                 |          |        | Waste Management                                   | t 🗀                                     |   |
| Remedia  | tion/Rede                       |          |        | Other  |   |   |
| Facility/Project Name<br>Donald Store  |                                 | Count    | y Name | Taylor   | Well Name G1                            |   |
| Facility License, Permit or Monitoring Number  | <u>त</u>                        |          | y Code | Wis, Unique Well N                                 | umber DNR V                             | Well ID Number  |
| 1. Can this well be purged dry?  | □ Ye                            | s 🗊      | No     |  | Before Developme                        | ent After Development   |
| Well development method     surged with bailer and bailed     surged with bailer and pumped                            | □ 4<br>□ 6                      |          |        | 11. Depth to Water<br>(from top of<br>well casing) | a11.0f                                  |   |
| surged with block and bailed<br>surged with block and pumped<br>surged with block, bailed and pumped<br>compressed air | D 6                             | 2<br>0   |        | 1  |   | $ \frac{7}{y} \frac{04}{y} \frac{06}{m} \frac{2007}{d} \frac{2007}{y} \frac{7}{y} \frac{7}{y} $ 1. $\phantom{00000000000000000000000000000000000$ |
| bailed only pumped only pumped slowly  | ☐ 2<br><b>※</b> 1<br>☐ 5<br>☐ 5 | 0<br>1   |        | 12. Sediment in well bottom                        |   | s inches  |
| Other  3. Time spent developing well   | □ <u>□</u> 30                   | \$<br>** |        | 13. Water clarity                                  | Clear ☐ 10<br>Turbid ☐ 15<br>(Describe) | Turbid図 2.5   |
| 4. Depth of well (from top of well casising) _   | 12                              | 0        | •      |  | W                                       |   |
| 5. Inside diameter of well   | 2.0                             | in.      |        |  |   | <del>-</del> ·  |
| 7. Volume of water removed from well   | ·,.                             | gal      | •      |  | s were used and well is                 | at solid waste facility:  |
| 9. Source of water added   |                                 |          |        |  |   | mg/l  |
|  | 36                              |          | -      | 16. Well developed by                              | Name (first, last) and Fir              | nai.  |
| O. Analysis performed on water added?  (If yes, attach results)  | Yes Yes                         |          | No∍    | First Name:<br>Cedar C<br>Firm:                    | Last Nar<br>orporation                  | nie;  |
| 7. Additional comments on development:  Soil born table, san   |                                 |          |        | a Geoprobe to the                                  | e water                                 |   |
| ame and Address of Facility Contact/Owner/Res  | nancible D                      | laster.  |        |  |   |   |
| irst Last Ame: Name:   |                                 |          |        | I hereby certify that<br>of my knowledge.          | the above information  Kathry           | is true and correct to the best   |
| acility/Firm:  |                                 |          | _      | Signature:   |   | <u> </u>  |
| territy/film.  |                                 |          |        |  |   |   |
| reet:  |                                 |          | _      | Print Name: Kathry                                 | n DesForge                              | ·   |

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin Department of Natural Resources

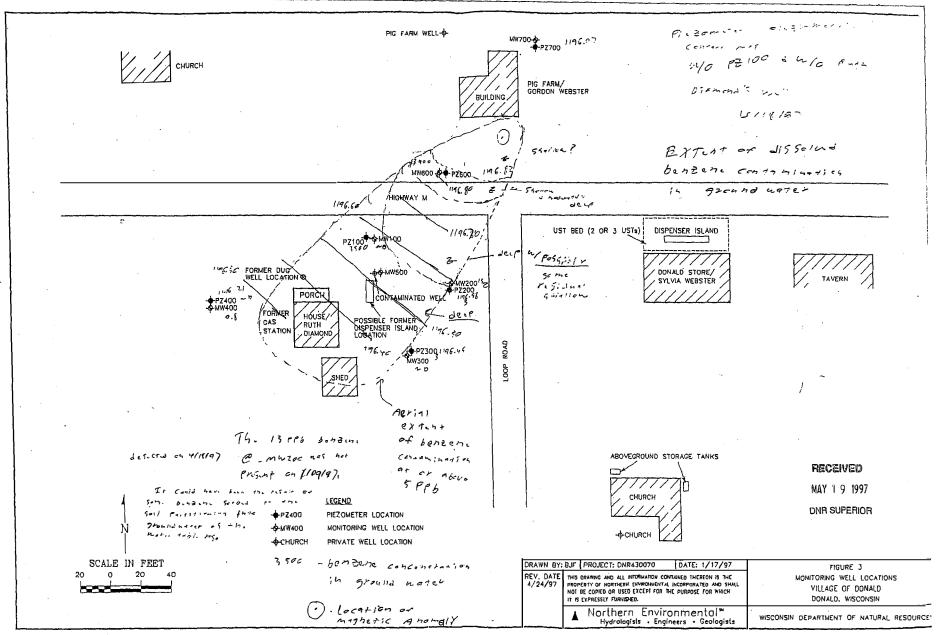
### MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

| Acility/Project Name Donald Store  acility License, Permit or Monitoring Number  County 0 6 1  Can this well be purged dry? |                           | Number   DNR Well ID Number  |
|---|---------------------------|--|
| . Can this well be purged dry? $\square$ Yes $\square$ N  Well development method   |                           | Number DNR Well ID Number  |
| . Well development method   | No.                       |  |
| <del>-</del> .  |                           | Before Development After Development   |
| <del>-</del> .  | 11. Depth to Water        | The state of the s |
|   | (from top of              | a $10.5$ _ ft $10.5$ _ ft.   |
| surged with bailer and bailed 41  | well casing)              |  |
| surged with bailer and pumped 61  | D-fr                      | 04 06 2007 04 06 2007  |
| surged with block and bailed 42 surged with block and pumped 62   | Date                      | $\frac{04}{m} \frac{06}{m} \frac{2007}{d} \frac{04}{d} \frac{2007}{y} \frac{04}{y} \frac{06}{m} \frac{2007}{d} \frac{0}{d} \frac{2007}{y} \frac{0}{y}$   |
| surged with block and pumped \( \square\) 6.2  surged with block, bailed and pumped \( \square\) 7.0                        |                           |  |
| compressed air  | Time                      |  |
| bailed only X 10  | Timo                      |  |
| pumped only   | 12. Sediment in well      | inchesinches   |
| pumped slowly   | bottom                    |  |
| Other   | 13. Water clarity         | Clear □ 10 Clear □ 20  |
| \$ o  |                           | Turbid 🖫 15 Turbid 🖾 25  |
| Time spent developing well 30 min.  |                           | (Describe) (Describe)  |
| $\frac{12.0}{1}$  |                           | <u></u>  |
| Depth of well (from top of well casising) ft.   | '                         | -  |
| Inside diameter of well 2.0   | 1                         |  |
| Inside diameter of well $\underline{}$ in.  |                           |  |
| Volume of water in filter pack and well   | · <b>[</b> .              | · · · · · · · · · · · · · · · · · · ·  |
|   |                           |  |
| casing gal.   | Fill in it drilling fluid | ds were used and well is at solid waste facility:  |
| Volume of water removed from well gal.  |                           |  |
|   | 14. Total suspended       | mg/l   |
| Volume of water added (if any) gal.   | solids                    |  |
|   |                           |  |
| Source of water added   | 15. COD                   | , mg/l   |
|   | 1. Well developed b       | y: Name (first, last) and Firm   |
| Analysis performed on water added? Yes D No   | į.                        | Last Name:   |
| (If yes, attach results)  |                           | Corporation  |
|   | Firm:                     | orporation   |
| Additional comments on development:   |                           |  |
|   |                           | •  |
| Soil boring was drilled y   | with a Geoprobe to th     | e water  |
| table, sampled and then   | abandoned.                |  |
| •   |                           | f  |
|   |                           |  |
|   |                           | y sur  |
| ne and Address of Facility Contact/Owner/Responsible Party  | I hereby certify that     | the above information is true and correct to the best  |
| L <u>L</u> ast  | of my knowledge.          |  |
| ne: Name:   | -                         | Kathry Deatorge  |
| lity/Firm:  | Signature:                | 15 Indiana   |
|   | Print Name: Kathry        | yn DesForge  |
| <u> </u>  | 14101 Panie:              | Padas  |
| /State/Zip:   | Firm:                     | Corporation  |

State of Wisconsin Department of Natural Resources

### MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

| Route to: Watershed/Waste  | ewater [           | Waste Managemen                        | t 🔲                                       |   |                              | •  |
|--|--------------------|--|---|---|------------------------------|--|
| Remediation/Red  | levelopment X      | Other                                  |   |   |                              |  |
| Facility/Project Name Donald Store   | County Name        | Täylor                                 | Well Name                                 | G3  |                              |  |
| Facility License, Permit or Monitoring Number                                  | County Code 6 1    | Wis. Unique Well N                     | lumber                                    | DNR Well ID                                   | Number ——                    |  |
| 1. Can this well be purged dry?  | cs 🗆 No            | 11. Depth to Water                     |   | elopment A                                    |                              | ······································               |
| <del>-</del>   | <b>4</b> 1         | (from top of<br>well casing)           | <b>a</b>                                  | <u>.0                                    </u> |                              | _ fL   |
| surged with block and bailed  Surged with block and pumped                     | 51<br>12<br>52     | Date                                   |   |   |                              | $\frac{1}{a} \frac{2007}{y} \frac{1}{y} \frac{1}{y}$ |
| compressed air   | 0<br>0             | Time                                   | c:  | _   | : <u>-</u> i                 | □ p.m.   |
| pumped only 5 pumped slowly 5  | 1<br>0             | 12. Sediment in well bottom            |   | _ inches                                      |                              | inches   |
| Other 3. Time spent developing well 3  | 0 .                | 13. Water clarity                      | Clear □ 1 (<br>Turbid ☑ 1 (<br>(Describe) | 5 Turk  | er ∐ 20<br>bid⊠ 25<br>conbe) |  |
| 12 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -  | min.<br>2.0<br>ft. |  | - T                                       |   |                              |  |
| 5. Inside diameter of well 2.0   | in.                |  | 250, 544                                  |   | -                            |  |
| 6. Volume of water in filter pack and well casing                              | gal.               | Fill in if drilling fluid              |   | lanell is at coli                             |                              |  |
| 7. Volume of water removed from well  8. Volume of water added (if any)        |                    | 14. Total suspended solids             |   |   |                              |  |
| 9. Source of water added   |                    | 15. COD                                |   | mg/l  | <b></b> -                    | _mg/l  |
|  |                    | 16. Well developed by                  | to Name (first land                       | A) and Eign                                   |                              |  |
| 10. Analysis performed on water added? Yes (If yes, attach results)            |                    | First Name:                            |   | Last Name;                                    |                              |  |
|  | ı week later l     | a Geoprobe to the<br>because recharge  |   |   |                              |  |
| Name and Address of Facility Contact/Owner/Responsible  First Last Name: Name: | Party              | I hereby certify that of my knowledge. |   | \ <del>\ \</del>                              | and correct to               | o the best   |
| Facility/Firm:   |                    | Signature:                             | Kath                                      | my  | 7                            | <u> </u>   |
| Street:  | <del> </del>       | Print Name: Kathry                     | n DesForge                                |   | ·                            | <del></del> .  |
| City/State/Zip:  |                    | Firm:C                                 | edqf                                      |   |                              | <del></del>  |
| NOTE: See instructions for more information inclu                              | ding a list of co  | ounty codes and well                   | l type codes.                             |   |                              |  |



## **APPENDIX C**

# SOIL BORING LOGS AND MONITORING WELL CONSTRUCTION FORMS

## 6P-8: Installed during webster Pig farm S. I.

| State of Wisconsin Department of Natural Resources  |               |            |                   |                    |            | L BORIN<br>14400-122   |              | G INF               | ORM<br>Rev.    |                  | ş             |     |
|---|---------------|------------|-------------------|--------------------|------------|--|--------------|---------------------|----------------|------------------|---------------|-----|
| Route To: Watershed/Wastewater  Remediation/Revelopment   |               |            | ent 🗌             |                    |            |  |              |                     | ,              | l:               |               |     |
|   |               |            |                   |                    |            |  |              | ige                 | of             | <u> </u>         |               |     |
| Facility/Project Name Pro Form Donald   | Star Lic      | ense/P     | ermit/N           | ionitor            | ing Ni     | umber Bo   | ring Nu      | mber                | 6              | P-               | 8             |     |
| Boring Drilled By: Name of crew chief (first, last) and Firm  | 1.            | Drilli     |                   |                    |            | Drilling C   |              |                     | ing M          | thod             | 1.            |     |
| First Name: Darin Last Name:  | /O            | _/         | 3, <u>Z</u> E     | ラ、 <u>~</u><br>マママ | m m        | <mark>्र । स्र</mark> । प्र  | <u>777</u>   | _   /               | عه             | - m              | ->-           | -   |
| WI Unique Well No. DNR Well ID No. Well Name  | Fina          | Stertic    | Water<br>Feet     |                    | Surf       | ece Elevatio   | ra<br>ca MSL |                     |                | iamelet          |               |     |
| Local Grid Origin (estimated: ) or Boring Location  |               |            | ræi <i>i</i><br>0 | •                  | Local      | Grid Lan   |              | <u> </u>            |                | inches           |               |     |
| State Plane N. E  | - 1           | Lai<br>org | 0                 | , R                |            | Ecot   | □N<br>□S.    |                     |                | D E              |               |     |
|   | County (      |            | Civil             |                    |            | π Village  | <u> </u>     | <u></u>             |                |                  | Δ.            | L.  |
| Sample  |               | T          |                   | r                  | ٤) د       | -nell  | il Prope     |                     | . A r.         | ear              | Post          | D.  |
| Soil/Rock Description   |               |            |                   |                    | •          | ر و  | <u> </u>     | T                   |                |                  | <i>D</i> 1-   | ,   |
| Number and Type Soil/Rock Description And Geologic Origin For Each Major Unit Blow Counts Blow Counts Blow Counts Bach Major Unit |               | 20.03      | <u>.</u> 2 .      | . ₽                | ΩL,        | A STATE OF THE STA | =            | È                   |                | lenis            |               |     |
| And Geologic Origin For Control (1904)  Blow Control (1904)  Bach Major Unit (1904)  Bach Major Unit (1904)                       |               | US O       | Orapluc<br>Log    | Weli<br>Diagram    | PID/FID    | Compressive Strength Moisture  |              | Plasticity<br>Index | P 200          | RQD/<br>Comments | •             |     |
| Coeve brown   | ·             |            | 0.1               |                    |            | 027 23   | 1=-          |                     | -              |                  | <del></del> ; |     |
| Clayer sand   | <b>^</b>      | ļ          |                   |                    | 0          | d  |              |                     |                |                  |               |     |
| Concrete 2 4  | Pt.           |            |                   |                    |            |  | 1            |                     |                |                  |               |     |
|   |               | 1          |                   |                    |            |  |              |                     |                |                  |               |     |
|   |               |            | - 1               |                    |            |  |              |                     | -              | _                |               |     |
| brown sandt   | grave         |            | .                 |                    | 20         |  |              | .                   |                | ~                |               |     |
|   |               | ].         | .                 | ľ                  |            | d  |              |                     |                |                  |               |     |
|   |               | .          |                   |                    |            |  |              |                     |                |                  |               |     |
|   | •             |            |                   |                    |            |  |              |                     |                |                  |               |     |
|   | -             | 1          |                   | 3                  | 0          | 1  | ·            | 1                   |                |                  |               |     |
| H     L   |               |            |                   |                    | -   '      |  |              |                     |                |                  |               |     |
| Innoun clayes So  | zuel          | -          |                   |                    |            |  |              |                     |                |                  |               |     |
|   |               |            |                   | 2                  | 0          | .   .  |              |                     |                |                  |               |     |
| 111 12  |               |            |                   |                    |            | W  | •            | - 1                 |                |                  |               |     |
| 1411  |               |            |                   |                    |            |  |              |                     |                |                  |               |     |
| E03=16 9  | <del>-,</del> |            |                   | 1.                 |            |  |              |                     |                |                  |               |     |
|   | - 1           |            |                   | 1                  |            |  |              |                     |                | •                |               |     |
|   |               |            |                   |                    | 1          |  |              |                     |                |                  |               |     |
|   |               |            |                   | 1.                 | 1          |  | 1            |                     |                | -                |               | ÷   |
|   |               |            |                   |                    |            |  |              |                     | $\perp$        |                  |               | •   |
| I hereby certify that the information on this form is true and com  |               |            |                   |                    |            |  | · -          |                     | <del>, n</del> |                  | . :           |     |
| Signature A +   | Firm M        | er         | Di                | du                 | . <i>E</i> | k VIF8   | n K          | cuf                 |                | C5.              | 14,           | 220 |

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

|   | Watershed/Wastewater Reme_intion/Redevelopment Local Grid Location of Well ft | Waste Management Other                            | MONITORING WELL CONSTRUC<br>Form 4400-113A Rev. 7-98 |
|---|---|---|--|
| Facility/Project Name                             | Local Grid Location of Well   | DN. DE.   | Weil Name  |
| ormer Donald Store                                | ft  | S   |  |
| Facility License, Permit or Monitoring No.        | Local Grid Origin 🔲 (estin  | nated:  ) or Well Location  Long.                 | Wis. Unique Well No. DNR Well ID N                   |
| Facility ID                                       | 1   | N, ft. E. S/C/N                                   | Date Well Installed Z / 18 / 29 /                    |
|   | Section Location of Waste/So  | ource   | m m d d v v v  |
| Type of Well                                      | 1/4 of1/4 of Sec  | , T N. R 🗆 V                                      | Well Installed By: Name (first, last) and            |
| Well Code/  | Location of Well Relative to  |   | Kenth  |
| Distance from Waste/ Enf. Stds. Sourceft. Apply _ | u □ Upgradient s □ d □ Downgradient n □                                       | ] Sidegradient                                    | 0e35   |
| A. Protective pipe, top elevation                 | O_fLMSL   | 1. Cap and lock?                                  | Yes N  |
|   |   | 2. Protective cover                               |  |
| B. Well casing, top elevation                     | O_fLMSL   | a. Inside diamete                                 | er: [2]  |
| C. Land surface elevation                         | O_ft_MSL  | b. Length:  | -,;  |
|   | · · · ·   | c. Material:                                      | Sicel 🔼 (  |
| D. Surface seal, bottom ft_ MS                    | Lor ft.   | X   | Other 🗆 🖁  |
| 12. USCS classification of soil near screen:      | ######################################  | d. Additional pro                                 | ·  |
| 12 12 12 1  | V D SP D  | If yes, describ                                   |  |
| SM SC ML MH CI                                    |   | 3. Surface scal:                                  | Bentonite 🗆 3  |
|   |   | <b>S</b> \ S. S. S. S. S. S. S. S. S. S. S. S. S. | Concrete 🗸 0   |
|   | s <b>A</b> No   | `   | Other 🗆 🚆  |
| 14. Drilling method used: Rotal                   | ry □ 50   👹   | 4. Material between                               | well casing and protective pipe:                     |
| Hollow Stem Aug                                   | er 🛛 <u>41</u>  |   | Bentonite: 2 3                                       |
| Orh   | er 🛘 🧱  |   | Other 🗆 🍍  |
|   |   | 5. Amular space ser                               | ***  |
|   | ir □ 01   |   | and weight Bentonite-sand shurry 3                   |
| Drilling Mud 🗆 0 3 No.                            | ne 🎉 99   |   | _  |
| •   |   |   |  |
| 6. Drilling additives used?                       | :□No   🔯  |   |  |
| •   |   | NACE .  | volume added for any of the above                    |
| Describe  |   | f. How installed:                                 | Tremie 🗆 0   |
| 7. Source of water (attach analysis, if require   | 1).   |   | Tremie pumped 🔲 02                                   |
| 7. Source of water (attache analysis, if require  |   | <b>-</b>  | Gravity 🗆 08   |
| · · · · · · · · · · · · · · · · · · ·             |   | 6. Bentonite seal:                                | a. Bentemite granules [] 3.3                         |
|   |   | b. □1/4 in. □3/                                   | /8 in. □ 1/2 in. Bentonite chips 🔁 32                |
| Bentonite seal, topft. MSL of                     | r5ft.   | /   | Other 🗆 🌉  |
| Fine sand, top ft. MSL or                         | 5_fi  | 7. Fine sand material:                            | Manufacturer, product name & mesh size               |
| Filter pack, top ft, MSL or                       | 8 A.  | b. Volume added                                   |  |
|   |   | 8. Filter pack material                           | ; Manufacturer, product name & mesh size             |
| Screen joint, top ft MSL or                       | _ / O ft  |   | terne.   |
|   | 12  | b. Volume added _                                 |  |
| Vell bottom ft MSL or                             | 70 点  |   | D1: 1 1 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1             |
|   | "/ [編]  | • 1   |  |
| ilter pack, bottom ft. MSL or                     | 2 1 4- / / / / / / / / / / / / / / / / / /                                    | * <del>!</del>                                    | Flush threaded PVC schedule 80 🔲 24                  |
| men back' ponou Tr W2r of                         |   | i ———   | Other 🗆 🎇  |
| orchole, bottom ft. MSL or                        | 21 6  | 10. Screen material:                              | _ PUC  |
| orehole, bottom ft MSL or                         | п   | a. Screen type:                                   | Pactory cut 2 11                                     |
| ♥   |   |   | Continuous slot 🔲 01                                 |
| orehole, diameter 5_ in.                          | · ·   | <u> </u>  | Other 🗆 🎎  |
|   |   | b. Manufacturer                                   |  |
| O.D. well casing in.                              | •   | c. Slot size:                                     | 0 in.  |
|   |   | d. Slotted length:                                | 10 h.  |
|   |   | •   |  |
| D. well casing _ Z_ in.                           |   | 11. Backfill material (be                         | ********   |
| D. well casing Z in.                              | · .   | ·   | low filter pack): None WC 14  Other                  |

Please complete both Fours 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeigne of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for mote information, including where the completed forms should be sent.

| State of Wisconsin              |
|---------------------------------|
| Denartment of Natural Resources |

#### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

|  | Route To: Watershed/Wastewater Wastewater Remediation/Revelopment C |             | ent 🗌                             |                                  |                     |                 |                     |       | . 1               | ř          |
|--|---|-------------|-----------------------------------|----------------------------------|---------------------|-----------------|---------------------|-------|-------------------|------------|
|  |   |             |                                   |                                  |                     | Pag             |                     | /_ of |                   |            |
| Facility/Project Nam   | Donald Store  | License/F   | cmit/Monitori                     | ng Number                        | Bor                 | ing Nur         | nber                | 0     | 1                 |            |
| Boring Drilled By: N   | Name of crew chief (first, last) and Firm                           |             | ing Started<br>8, 2016            | Date Drill                       |                     |                 | 1 0                 | _     |                   |            |
| Fitm:  |   | m m 'd      | <u>a'yyyy</u>                     | mm d                             | dУ.                 | ууу             |                     |       |                   | 1H5)       |
| WI Unique Well No.   | DNR Well ID No.   Well Name   | Final Stati | c Water Level<br>Feet MSL         | Surface El                       |                     | t <b>MS</b> L   | Bore                |       | iameter<br>inches |            |
| Local Grid Origin  State Plane   | (estimated: □ ) or Boring Location □ NE                             | Lat         | D 1. 11                           | Local Grid                       |                     |                 | J                   |       |                   |            |
|  | 4 of Section, TN, R   | Long        | 0 ' "                             | ·                                | Feet D              | אב<br>S_        |                     | Fee   | □E.<br>t□W        |            |
| Facility ID  | County  | ounty Code  | Civil Town/                       | City/or Vill<br>Shung            | lage                | Téu             | اکمال               | h: u  | Ca:               | Iman       |
| Sample   |   |             | 1 9                               | 3,000                            |                     | Prope           | $\overline{}$       |       |                   | marc       |
| iff. & Infs  | Soil/Rock Description And Geologic Origin For                       |             |                                   | 146                              | 1                   |                 |                     |       | و ا               |            |
| Number and Type we Length Att. & dd Recovered (in) Blow Counts Depth in Feet | Each Major Unit   | SCS         | Graphic<br>Log<br>Well<br>Diagram | PID/FID<br>Compressi<br>Strength | Moisture<br>Content | uid             | Plasticity<br>Index | 8     | RQD/<br>Comments  |            |
| Rec Leading  | (Solid  | n s         | Oraphic<br>Log<br>Well<br>Diagram | 품   활동                           | \$5                 | Liquid<br>Limit | Plastic<br>Index    | P 200 | S <sub>P</sub>    |            |
|  | brown 5,77.   |             |                                   | 0                                |                     |                 |                     | .     |                   |            |
|  |   |             | 1 1/1                             | 9                                | m                   |                 | .                   |       |                   |            |
|  |   | 1           |                                   |                                  |                     |                 |                     | - 1   | ·                 | .:         |
| 5  |   | .           |                                   | -                                |                     |                 | }                   | 1     |                   | <b>4</b>   |
|  | 7 <b>11</b>   | 1           | 2                                 |                                  |                     |                 |                     |       |                   |            |
|  | silty sand.   |             | 1                                 |                                  |                     |                 | 1                   | - 1   |                   |            |
|  |   |             | 10                                |                                  | 1                   | - 1             | - 1                 |       |                   |            |
|  |   |             | IV.                               | 1 1                              | wet                 | -  .            | -                   | - [   |                   |            |
| 10   | sitty Sand<br>sandy silt  |             |                                   |                                  | 1                   |                 |                     |       |                   |            |
|  |   |             |                                   | 기                                | 11                  | }               |                     | - 1.  |                   |            |
|  | <b>1</b> - 11   |             |                                   | 1 1                              | $\mathcal{M}$       |                 |                     | - 1   | •                 |            |
|  | Saudy oilt  | 1 1         |                                   | _                                |                     | - 1             |                     |       |                   |            |
|  | 7   |             | 1-10                              | <del>)</del>                     | - 11                | .               | - 1                 | - 1   |                   |            |
|  |   | 1 1         | 1-1                               | 11                               | - 11                |                 | 1                   |       |                   |            |
|  |   |             | -                                 |                                  | Ш                   |                 |                     |       |                   |            |
| 111 1 1  |   |             | -                                 | <del>]</del>                     | I                   |                 |                     | - }   |                   | •          |
|  |   |             | 15                                |                                  | H                   |                 |                     | }     |                   |            |
| 20   |   |             |                                   |                                  | 1                   |                 | $\Lambda$           |       |                   |            |
| 1117   | <b>P</b> 00==:  | - 1         | 1-1                               |                                  |                     |                 |                     |       |                   |            |
| 1 1 1 1  | EBB = ZI $EF$ .   | 1 1         | 1 1.                              | 1 1                              | <u> </u>            | 1               | ].                  | . 1   | <u>-</u> _        | <u>-</u> / |

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Firm

Meridian

Environmentz

State of Wisconsin Department of Natural Resources

### MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

| County Name  Former Denell Store  County Name  County County Licensee, Permit or Monitoring Number  County | ode   Wis. Unique Well Number   DNR Well ID Number   |
|---|--|
| Can this well be purged dry?  Can this well be purged dry?  Well development method  surged with bailer and bailed  surged with bailer and pumped  surged with block and bailed  surged with block and bailed  surged with block and pumped  of 1  of 2   | Before Development After Development  11. Depth to Water (from top of a 556ft 8 ft. 6.  well casing) |
| Well development method  surged with bailer and bailed  surged with bailer and pumped  surged with block and bailed  surged with block and pumped  d 2  surged with block and pumped  | 11. Depth to Water (from top of a 5.58ft. 8. 6. well casing)   |
| Well development method  surged with bailer and bailed  surged with bailer and pumped  surged with block and bailed  surged with block and pumped  d 2  surged with block and pumped  | 11. Depth to Water (from top of a 5.58ft. 8. 6. well casing)   |
| Well development method  surged with bailer and bailed  surged with bailer and pumped  surged with block and bailed  surged with block and pumped  d 2  surged with block and pumped  | 11. Depth to Water (from top of a 5.58ft. 8. 6. well casing)   |
| surged with bailer and bailed PA 4 1 surged with bailer and pumped  | (from top of a 5 . 5 %ft 8 ft. well casing)  |
| surged with bailer and bailed PA 4 1 surged with bailer and pumped  | well casing)   |
| surged with bailer and pumped   |  |
| surged with block and bailed 4 2 surged with block and pumped 6 2   | Date 3,9,2016 3,9,20   |
| surged with block and pumped  | Date $3,9,2016$ $5,9,20$   |
|   |  |
| 1 and 11 at 1 and 1 and 1 and 1   | mm'dd'yyyy mm'dd'yy  |
| surged with block, bailed and pumped 🔲 70   |  |
| compressed air  | a.m a.m. Time c: p.m: p.m.   |
| bailed only   |  |
| pumped only 🔲 51  | 12. Sediment in well inches inches   |
| pumped slowly   | bottom   |
| Other 🗆   | 13. Water clarity Clear 🔼 10 Clear 📙 20  |
|   | Turbid □ 15 Turbid □ 25  |
| ne spent developing well ~35_ min.  | (Describe) (Describe)  |
|   |  |
| pth of well (from top of well casising) _2eft.  | <u> </u>   |
| フ   |  |
| ide diameter of wellin.   | <u> </u>   |
|   |  |
| lume of water in filter pack and well   |  |
| ing gal.  |  |
| ume of waterremoved from well/Ogal.   | Fill in if drilling fluids were used and well is at solid waste facility:                            |
| ume of waterremoved from well gal.  |  |
|   | 14. Total suspended mg/l mg/l  |
| ime of water added (if any)   | solids   |
|   | 15. COD me/l   |
| ce of water added   | 15. CODmg/l  |
|   | 16. Well developed by: Name (first, last) and Firm   |
| Jysis performed on water added? Yes No  |  |
| lysis performed on water added? Yes No  | First Name: Ken Last Name: Shimks  |
| as manager a country  | Flow Meridian Environmental C  |

| Name and Address of Facility Contact/Owner/Responsible Party | I hereby certify that the above information is true and correct to the best |
|--|---|
| Name: Ken Last Shimks  | of my knowledge.  |
| Facility/Firm: Meridian Env-Colty, LCC                       | Signature:  |
| 22.1.10 = (-1)   | Print Name: Ken Shinks  |
| City/State/Zip: fell Creek WI                                | Firm: Mendian Rw. Cs/4  |
| 54742  |   |

| <del></del> :                                   | Watershed/Wastewater<br>Remediation/Redevelopmer |                        | nnagement                           | MONITORING Form 4400-113A             | WELL CONSTRU<br>Rev. 7-98           | UCTIC    |
|---|--|------------------------|-------------------------------------|---------------------------------------|-------------------------------------|----------|
| Facility/Project Name                           | Local Grid Location of Wo                        |                        |                                     | Well Name                             | ハフ                                  |          |
| ormer Donald Store                              |  | ւ <u>    Է</u> Է       | E.<br>                              | <del> </del>                          | 7 -                                 |          |
| Facility License, Permit or Monitoring No.      | Local Grid Origin (es                            | imated: 🗆 ) o<br>"Long | r Well Location ☐                   |                                       | No. DNR Well I                      | D Να.    |
|   | St. Plancf                                       | L N,                   |                                     | Date Well Installe                    | <u> </u>                            |          |
| Type of Well                                    | Section Location of Waste/                       |                        | ПЕ                                  | Well Installed By                     | m d d y y<br>: Name (first, last) i | and Fir  |
| Well Code/                                      |  | ec,T                   | _ N, R 🖁 🕏                          | Keith                                 |                                     |          |
| Distance from Waste/ Enf. Stds.                 |  | ☐ Sidegradien          |                                     | 0e35                                  |                                     |          |
|   | d [] Downgradient n                              |                        | I. Cap and lock?                    |                                       | □ Yes □                             | 7 No     |
|   | ·  |                        | 2. Protective cover p               | ipe:                                  |                                     | , ,,,    |
| B. Well casing, top elevation                   | O_ft.MSL   | H                      | a. Inside diameter                  | :                                     | 15                                  | in.      |
| C. Land surface elevation                       | O_ft. MSL  |                        | b. Length;                          |                                       |                                     | ft.      |
| D. Surface seal, bottom ft. MSI                 | or / fr  | N. C.                  | c. Material:                        |                                       | Steel 🗵                             |          |
| 12. USCS classification of soil near screen:    | \$43000  | 小級多議                   | d. Additional prob                  | nation?                               | _ Other 🗆                           | (m)      |
|   | V D SP D   | 1 13                   | If yes, describe                    |                                       | Yes 🗆                               | 1 140    |
| :   | CH CH CH CH                                      |                        |                                     | -                                     | Bentonite 🗆                         | 1 30     |
| Bedrock   | ] 1  |                        | 3. Surface scal:                    |                                       | Concrete 2                          |          |
|   | es DELNo   |                        |                                     |                                       | _ Other 🗆                           | -3000000 |
| 14. Drilling method used: Rotar                 | y □ 50   👸                                       |                        | I. Material between                 | well casing and pro                   | ective pipe:                        | 77.17.7  |
| Hollow Stem Aug                                 | cr 🞾 4 1   |                        |                                     |                                       | Bentonite 🖪                         |          |
| Othe  | er 🗆 🎎   |                        |                                     |                                       | Other 🗆                             |          |
| 15. Drilling fluid used: Water □ 0 2 A          | .ir □ 01   |                        | . Annular space seal                |                                       | ipped Bentonite                     |          |
|   | ne / 199   |                        | Lbs/gal mu                          | id weight Benic                       |                                     |          |
|   |  |                        |                                     | e Bentoni                             |                                     |          |
| 16. Drilling additives used?                    | F□No   |                        |                                     | volume added for a                    |                                     | 50       |
| D7  |  |                        | How installed:                      |                                       | Tremie 🗆                            | 0 ]      |
| Describe  |  |                        |                                     | <del>T</del>                          | remie pumped 🔲                      | 02       |
| 77. Source of water (amount marysis, in require | (a).   |                        |                                     |                                       | Gravity 🗆                           | 0.8      |
|   |  | EXXI                   | Bentonite seal:                     |                                       | lunite granules [                   | 3 3      |
| . Bentonite seal, top ft. MSL o                 | . 5 ft. 👹  | <b>※</b>               | b. □1/4 in. □3/                     | 8 in. ⊔ 1/2 in. ]                     | • •                                 | 32       |
| Fine sand, top ft. MSL o                        |  | 7.                     | Fine sand material:                 | Manufacturer, pro                     | Other  duct name & mesh             | Size     |
|   | / 图  |                        | a,                                  | · · · · · · · · · · · · · · · · · · · |                                     |          |
| Filter pack, top fi. MSL or                     | r ft \   | 1,222                  | <ul> <li>b. Volume added</li> </ul> |                                       | ft <sup>3</sup>                     |          |
| Screen joint, top ft. MSL or                    | /ºft.  |                        | Filter pack material:               | Manufacturer, pro                     | duct name & mesh                    | asia 1   |
| Well bostom ft. MSL or                          | 70 。   |                        | b. Volume added _                   |                                       | ft <sup>3</sup>                     |          |
| Well bottom ft. MSL or                          | M  | 9.                     |                                     | liush threaded PVC                    | <del>-</del> -                      | 23       |
| Filter pack, bottom ft. MSL or                  | 21 a   |                        | ; P                                 | lush threaded PVC                     |                                     | 24       |
|   |  | 10                     | Screen material:                    | PUC                                   | Other L                             |          |
| Borehole, bottom ft. MSL or                     | _21_ft   |                        | . Screen type:                      |                                       | Pactory cut 🔼                       | 11       |
| ·   |  |                        |                                     | Car                                   | <u>.</u>                            | 01       |
| Borehole, diameterin.                           |  |                        |                                     |                                       |                                     |          |
| O.D. well casing in.                            | . •  | b.                     | Manufacturer<br>Slot size:          | ·                                     | 0(_                                 |          |
|   |  | \ d.                   | _                                   |                                       | <u> [5</u>                          |          |
| 1.D. well casing in.                            |  | 11.E                   | lackfill material (bel              | ow filter pack):                      | None 🕰 🕺<br>Other 🗆 🖁               | 14       |
|   |  |                        |                                     |                                       |                                     | -77***   |

Please complete both Fours 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299. Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299. Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions formore information, including where the completed forms should be

| State of Wisconsin    |           |
|-----------------------|-----------|
| Department of Natural | Resources |

#### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

|                         |               |                 | Ī                                       |                         | 1/Wastewater   on/Revelopment [    |          |            | ent 🔲                  |          |                         |                     |                             |                     |          |                   | 5        | ·•    |
|-------------------------|---------------|-----------------|---|-------------------------|------------------------------------|----------|------------|------------------------|----------|-------------------------|---------------------|-----------------------------|---------------------|----------|-------------------|----------|-------|
|                         |               |                 |   | Nomodial                | on Kevelopinein [                  |          | ъ.         |                        |          |                         |                     | Paj                         | PC .                | / of     | . 1               | ÷        |       |
| F                       | acility/      | Project<br>O VV |   | Donald S                | itore                              | Li       | cense/P    | -mit/Monito            | ning N   | umber                   | Bori                | ng Nu                       |                     | <u>-</u> | <u> </u>          |          |       |
|                         |               | rilled l        |   | rne of crew chief (firs |                                    | Da       | te Drilli  | ng Started             |          | Drillin                 |                     |                             | Drill               | ing M    | ethod             |          |       |
| F                       | im:           |                 |   | Last Name:              |                                    | 一        | <u>m d</u> | 3,2016<br>3,707        | y   = 1  | <u> </u>                | 7 7                 | $\frac{y}{y} = \frac{y}{y}$ | 6                   | eop      | onebe             | 2/H.     | 5.A   |
| w                       | I Uniqu       | ıc Well         | No.                                     | DNR Well ID No.         | Well Name                          | Fin      | al Statio  | Water Leve<br>Feet MSL |          | ace Elev                |                     | MSL                         | Bore                | hole [   | hameter<br>inches |          |       |
|                         | cal Gric      |                 |   | estimated: D) or B      | oring Location D                   | <u> </u> | Lai_       | 0 '                    | " Loca   | l Grid I                |                     |                             | <del></del>         |          |                   |          |       |
|                         | 1/4           | of              |   | of Section, T_          | N, R                               |          | ong _      | 0 '                    | <u> </u> |                         | et 🗆                | 1 N<br>1 S _                |                     | _Fœ      | DE<br>tDW         |          |       |
| Fac                     | cility ID     | ·<br>           |   | County                  | er<br>er                           | County   | Code       | Civil Tow              |          | or Villa<br>L115_       |                     | Tou                         | عم ل                | h:p      | (B                | Ima      | en P. |
| S                       | ample         |                 | (20 <u>1</u>                            |                         |                                    |          | T          |                        |          |                         | Soil                | Prope<br>I                  | rties               |          | -                 |          |       |
| .H                      | Aft           | ounts           | n Fee                                   | Soil/Ro<br>And Geo      | ck Description<br>logic Origin For |          | 20         |                        |          | seive<br>h              | £_                  |                             | <u>4</u>            |          | al se             |          |       |
| Number                  | Length Att. & | Blow Counts     | Depth in Feet<br>(Below ground surface) | Each                    | Major Unit                         |          | USC        | Oraphic<br>Log<br>Well | PID/FID  | Compressive<br>Strength | Moisture<br>Content | Liquid<br>Limit             | Plasticity<br>Index | P 200    | RQD/<br>Comme     |          |       |
|                         | -1            | 1               | 1                                       | next 1                  | o GP-                              | <br>Z    | 1          | 1071-                  | -        | 1001                    | 20                  |                             |                     | , 114    | ₩0                |          | •     |
|                         | 1             |                 |   | next t                  | ( -11                              |          |            |                        |          |                         |                     |                             |                     |          |                   |          |       |
|                         |               |                 |   | earth                   | drill                              |          |            |                        |          |                         |                     |                             |                     |          |                   | .3       |       |
|                         | 1.            |                 | 5                                       | 1                       |                                    |          |            |                        |          |                         |                     |                             |                     |          |                   | í,       | •     |
|                         | 1 1           |                 |   |                         |                                    |          |            |                        |          |                         | .                   |                             |                     |          |                   |          |       |
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| - 1                     | 1             |                 | - 1                                     | ) .                     |                                    |          |            |                        |          |                         |                     |                             |                     |          |                   |          |       |
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|                         |               | 1_              |   | 图03=                    | 21 14                              |          |            | 11                     |          |                         |                     | $\perp$                     |                     |          |                   | <u>.</u> |       |
| I hereby (<br>Signature | certify       | that th         | ne info                                 | rmation on this form    |                                    | Eiro     |            | <del></del>            |          |                         |                     | ·                           | 11                  |          |                   |          |       |
| <u> </u>                | 1             | 4               | 11                                      |                         |                                    | N        | er:a       | dian_                  | En       | 11 10                   | nm                  | ent                         | =                   | 14       | arr               | Hen      | 5     |

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin Department of Natural Resources

## MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

| Route to: Watershed/Wastewater  | Waste Management   |
|---|--|
| Remediation/Redevelopme   | ent Other  |
| Former Donald Store T   | aylor 10-Z   |
| Facility License, Permit or Monitoring Number County  |  |
| 1. Can this well be purged dry?   | 11 Denth to Water  |
| 2. Well development method  surged with bailer and bailed  surged with bailer and pumped  1 6 1         | (from top of $a = 6.50$ ft. $6.50$ ft. $6.50$ ft. $6.50$ ft.   |
| surged with block and bailed 42 surged with block and pumped 62 surged with block, bailed and pumped 70 | Date $b = \frac{3}{m} \frac{9}{d} \frac{2016}{y y y y} = \frac{3}{m} \frac{9}{d} \frac{2016}{y y y y}$ |
| compressed air 20 bailed only 10 pumped only 51   | Time c: p.m: p.m.  12. Sediment in well inches inches  |
| pumped slowly   | bottom  13. Water clarity Clear   10 Clear   20  Turbid   15 Turbid   25                               |
| 3. Time spent developing well w35_min.  | (Describe) (Describe)  |
| 4. Depth of well (from top of well casising)ft.   |  |
| 5. Inside diameter of well in.  |  |
| 6. Volume of water in filter pack and well casing   |  |
| 7. Volume of water removed from well gal.   | Fill in if drilling fluids were used and well is at solid waste facility:                              |
| 8. Volume of water added (if any) gal.  | 14. Total suspended mg/l mg/l solids   |
| 9. Source of water added  | 15. COD mg/l mg/l  |
| 10. Analysis performed on water added? Yes No (If yes, attach results)                                  | Danistanos Svistos —   |
| 17. Additional comments on development:   | Flom: Meridian Environmental Coli  |

| Name and Address of Facility Contact / Owner/Responsible Party  First Name: Name: Name: | I hereby certify that the above information is true and correct to the best of my knowledge. |
|---|--|
| Facility/Firm: Meridian Env-Csly, LCC Street: Z711 N. Felco PD                          | Signature:  Print Name:  Ken Shinks  |
| City/State/Zip: fell Creek WI 54742   | Firm: Mendian Ew. Colt   |

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Rese complete and remm both sides of this form as required by this 144, 147 and 160. Wis Stats, and the NR 141, Wis Adm. Code, in accordance with the State, failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance

Stoned length:

11. Bearill mutaial (below filter pack):

LO.Oft

Note X

Other 🗆

|     | State     | of Wisc                  | onsin       |  | Rout                  | e To:                                  |        |                   |   |                 |         | SO                      | IL BOI              | RING L          | OG IN            | FORM         | IATION           |
|-----|-----------|--------------------------|-------------|--|-----------------------|--|--------|-------------------|---|-----------------|---------|-------------------------|---------------------|-----------------|------------------|--------------|------------------|
|     | Depa      | rtment o                 | f Natu      | ral Reso   |                       | olid Waste                             |        | Iaz. Waste        |   |                 |         | Fo                      | rm 440              | 0-122           |                  |              | 7-91             |
|     |           |                          |             |  |                       | mergency Response                      | _      | Indergrour        |   | S               |         |                         |                     |                 |                  |              |                  |
|     |           |                          |             |  | □ w                   | astewater                              | _      | Vater Reso        | urces   |                 |         |                         |                     | D-              | 1                | - 6          | 2                |
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|     |           | ity/Proje                |             |  |                       |  |        | License/I         | ermit/N   | Monitori        | ng Mu   | Moei                    | 1                   | -               | Der              |              |                  |
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|     |           | -                        |             |  | me and name of crev   | v chief)                               |        | Date Dril         | ling Sta  | rted            | Dat     | e Drilli                | ng Con              | npieted         | Drill            | ing Me       | thod             |
|     | Gil       | es Eng                   | ineer       | ing  |                       |  |        | 6                 | /10/97  | 7               |         | 6/                      | 10/97               |                 | 4.25             | 5" ID        | HSA              |
|     |           |                          |             |  |                       |  |        | 1                 |   |                 |         |                         |                     |                 |                  |              |                  |
|     | DNR       | Facility                 | Well 1      | No. W  | I Unique Well No      | Common Weil Nam                        | e      | Final Stat        | ic Wate   | r Level         | Sur     | face Ele                | vation              |                 | Boreho           |              | neter            |
|     |           |                          |             | _  |                       |  |        |                   | Fee   | et              |         |                         | Feet                |                 |                  | .25"         | Inches           |
|     |           | g Locati                 | on          |  |                       | N D 21-11                              | _      | Lat               | 45º 15  | 51 2"           | Loc     | al Grid                 | _                   |                 | pplicab          | le)          |                  |
|     |           | Plane                    |             | _  |                       | N, E s/c/1                             | N      |                   |   |                 | 1       |                         |                     | N               |                  |              | □ E              |
|     | SW        |                          | of SE       | 3 1/   | 4 of Section 17       | T 32Nn,R 4W                            |        | Long              |   |                 |         |                         | eet 🗆               | <u> </u>        |                  | Feet         | □w               |
|     | Count     |                          |             |  |                       |  | R Cou  | inty Code         | Civil   | Fown/C          | ity/ or | Village                 | :                   |                 |                  |              |                  |
|     | _TA       | YLOR                     |             |  |                       | 61                                     |        |                   | ـــــ   | ,               |         |                         |                     |                 |                  |              |                  |
|     | Sa        | mple                     |             | 1  | 1                     |  |        | -                 |   |                 |         |                         | Soi                 | l Prope         | rties            |              | ╛                |
|     |           |                          | <b>,</b> ,  | #  | Soil/P                | ock Description                        |        |                   |   |                 |         |                         |                     |                 |                  | 1.           |                  |
|     |           | 3.5                      | l H         | Fe   | i e                   | -                                      |        | 1                 | 1   |                 |         | l g                     |                     |                 |                  |              | S                |
|     | ដ         | i i                      | ్ట్ర        | ᄪ  | 1                     | ologic Origin For                      |        | တ                 | .2  | <u>   </u>      | Ð       | ari E                   | ig t                | <b> </b>        |                  |              | l ii             |
|     | д         | ove 1                    | ≥           | 널  | Eac                   | h Major Unit                           |        | C                 | 를 ~   | 11 gg           | F       | et e                    | ist                 | E   E           | ii šti           | 8            |                  |
|     | Number    | Length (in)<br>Recovered | Blow Counts | Depth In Feet                                    |                       | 4                                      |        | US                | Graphic<br>Log                                    | Well<br>Diagram | PID/FID | Standard<br>Penetration | Moisture<br>Content | Liquid<br>Limit | Plastic<br>Limit | P 200        | RQD/<br>Comments |
|     |           |                          |             | <del>                                     </del> | (0 0' - 1 0') T       | OPSOIL, dark bro                       | wn     |                   | ===   | থি থি           |         | 1                       | -                   | 1               | <del> </del>     | <del> </del> | +                |
|     |           |                          |             | -  | silty, moist. (C      |  | ** 11, |                   |   |                 |         | 1                       |                     |                 |                  |              | }                |
|     |           |                          |             | <u>_1</u>  | 1                     | LT, with some cla                      | •      | ML                | <del>Initial</del>                                |                 |         |                         |                     |                 | ŀ                |              |                  |
|     |           |                          |             | F  |                       | tle fme sand, light                    | y      | 1,112             |   |                 |         |                         |                     |                 |                  |              |                  |
|     |           |                          |             | F <sub>a</sub>                                   |                       | ne brown and gray                      | ,      | İ                 | 1111111   |                 |         |                         |                     |                 |                  |              |                  |
| PZ  | 2801      | 18                       | 2           | -2   |                       | geneous structure,                     | 1      |                   | 1111111   |                 | 2.2     | 1                       |                     |                 | l                | 1            | 1                |
|     | 1         |                          | 3           | E i  |                       | moist, no odor. (                      | ML,    |                   | 1111111   |                 |         | 1                       |                     |                 |                  |              |                  |
|     |           |                          | 4           | _3   | Loess)                |  |        |                   |   | <b>13</b> 13    |         |                         |                     |                 |                  |              |                  |
|     |           | }                        | 6           | E I  |                       |  |        |                   |   |                 |         |                         |                     |                 |                  | 1            | }                |
|     |           | ]                        |             | -4   | (4.0) 5.51) 0/        | NIDV CII T                             | 1:441. | SM                | <del>                                      </del> |                 |         |                         |                     | l               |                  |              |                  |
| PZ  | 802       | 16                       | 5           |  |                       | ANDY SILT, with<br>ne grained with tra |        | SIM               |   |                 | 2.2     |                         |                     |                 |                  |              |                  |
|     | $\Lambda$ | i j                      | 4           | F  |                       | d, reddish-brown (                     |        |                   |   | . 目.1           |         |                         |                     |                 |                  |              |                  |
|     | - 11      |                          | 4<br>5      | -5   |                       | eous structure, firm                   |        | `                 |   |                 |         |                         |                     |                 |                  |              | 1                |
|     |           |                          | ,           | E  |                       | (SM, Basal Till,                       | -,     | SM                |   |                 |         |                         |                     |                 |                  |              | ľ                |
| D7  | 803       | 14                       | 3           | -6   |                       | er, Copper Falls                       |        |                   |   |                 | 2.2     |                         |                     |                 | ·                |              |                  |
| 12  | 005       | 14                       | 5           | ΕÌ   | Formation)            |  |        |                   |   |                 | 2.2     |                         |                     |                 |                  |              | 1                |
|     |           |                          | 10          | 7  | (5.5' - 7.5') SI      | LTY SAND, fine                         | to     |                   |   | · = 1           |         |                         |                     |                 |                  |              |                  |
|     |           |                          | 9           | ;  | medium graine         | d with little to som                   | e      |                   |   |                 |         |                         |                     |                 | -                |              |                  |
|     |           |                          |             | - 1  |                       | e clay, reddish-bro                    |        | SP                |   | :目:             |         |                         |                     |                 | ,                |              |                  |
| PZ  | 304       | 20                       | 2           | 8  |                       | mogeneous structu                      | re,    | SM                |   | 目               | 4.0     |                         |                     |                 |                  |              | -                |
|     | 1         |                          | 2           |  | medium dense,         | very moist to<br>for. (SM, Basal Ti    | 11     |                   |   | :日:1            | - 1     | . }                     |                     |                 |                  |              | 1                |
|     |           | [ [                      | 3           | _9   |                       | er, Copper Falls                       | 11,    |                   |   |                 |         |                         |                     |                 |                  |              | 1                |
|     |           |                          | 3           | - 1  | Formation)            | or, Copper Paris                       |        |                   | 1.1.1   | 目:              | - 1     | - 1                     |                     | 1               |                  |              | ĺ                |
|     | ŀ         |                          |             | -10  | •                     | ND madium arai                         | ned    |                   |   | 日:1             |         |                         |                     |                 |                  |              |                  |
| PZ  | 305       | 8                        | 1           | -10  | reddish brown,        | ND, medium grai                        | ncu,   | SP                |   |                 | 3.0     |                         |                     |                 |                  |              |                  |
|     |           |                          | 1           | -  |                       | lor. (SM, Basal Ti                     | 11.    |                   |   | 目:              |         |                         |                     |                 | }                |              |                  |
|     |           |                          | 2           | -11  | Mikana Membe          |  | ,      |                   |   |                 |         |                         |                     |                 |                  |              |                  |
|     |           |                          | 2           |  | Formation)            |  |        |                   |   |                 |         |                         |                     |                 |                  |              |                  |
|     |           |                          | ļ           | -12  |                       |  |        |                   |   | H·              |         |                         |                     |                 | ٠.               |              |                  |
| . 1 | hereb     | v cerrify                | that th     |  | mation on this form i | s true and correct to th               | e bes  | t of mv kn        | owledge   | <br>:.          | 1       |                         |                     |                 |                  |              |                  |
|     | Signatu   |                          |             |  |                       |  |        |                   |   |                 |         |                         | · ·                 |                 |                  |              |                  |
| ,   |           |                          | ,           |  | 01 0                  |  | 1      | 1                 |   | rn Env          |         |                         |                     |                 | 2                |              |                  |
|     | ,         | K                        |             |  | W: Sx                 |  |        |                   |   | th 4th A        |         |                         |                     |                 | 12               |              |                  |

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

| Borin  | Boring Number MW800 Use only as an attachment to Form 4400-122. |             |               |   |    |                |                 |         | ,                       |          |         | ge 2          | of    | 2                |
|--------|---|-------------|---------------|---|----|----------------|-----------------|---------|-------------------------|----------|---------|---------------|-------|------------------|
| Sai    | mple  |             |               |   |    |                |                 |         |                         | So       | il Prop | rties         |       |                  |
| •      | (in)  | unts        | Depth In Feet | Soil/Rock Description And Geologic Origin For   |    |                |                 |         | 15<br>15<br>15          |          |         |               |       | , si             |
| lber   | th (i   | SO.         | h In          | Each Major Unit   | CS | hic            | гаш             | FID     | dard                    | sture    | . E.    | J.g.          |       | /<br>ment        |
| Number | Length (in<br>Recovered   | Blow Counts | Dept          | · ·   | US | Graphic<br>Log | Well<br>Diagram | PID/FID | Standard<br>Penetration | Moisture | Liguid  | Plastic<br>r: | P 200 | RQD/<br>Comments |
| PZ806  | 24  | 0 0 1 1     | 13<br>14      | (8.0' - 10.0') SILTY SAND, fine to medium grained, with some gravel and trace clay, brown (5 YR 4/6), loose, saturated, no odor. (SM, Basal Till, Mikana Member, Copper Falls Formation) (10.0' - 12.0') SAND, medium grained with trace coarse sand and trace gravel, loose, saturated, no odor. (SP, Basal Till, Mikana Member, Copper Falls Formation) (12.0' - 14.0') SILTY SAND, fine to medium grained, with trace to some gravel and trace clay, brown (5 YR 4/6), soft, saturated, no odor. (SM, Basal Till, Mikana Member, Copper Falls Formation) | SM |                | Δ               | 1.9     | N A                     | 20       |         | Д             |       | - W              |
|        |   |             |               | · .   |    |                |                 |         |                         |          |         |               |       | -                |
|        |   |             |               |   |    |                |                 |         | }                       |          |         |               |       |                  |
|        |   |             |               |   | į  |                |                 |         |                         |          |         |               |       |                  |
| ·      | -   |             |               |   |    |                |                 |         | -                       |          |         |               |       |                  |
|        |   |             |               |   |    |                |                 |         |                         |          | -       |               |       |                  |
|        | -   |             |               |   |    |                |                 |         |                         |          |         |               |       | e                |
|        |   |             |               |   | .  |                |                 |         |                         |          |         |               |       | ·                |
|        |   |             |               | ·   | .  | .              |                 |         |                         |          |         |               |       |                  |
|        |   |             |               |   |    |                |                 |         |                         |          | . •     |               |       |                  |
|        | ľ   |             |               |   | {  | 1              |                 |         |                         |          |         |               |       |                  |
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|        |   |             |               |   |    |                |                 |         |                         |          |         |               |       |                  |
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|        |   |             |               |   |    |                |                 |         |                         |          |         |               |       |                  |
|        |   |             |               |   |    |                |                 |         |                         |          |         |               |       |                  |
|        |   |             |               |   |    |                |                 |         |                         |          |         |               |       |                  |
|        |   |             |               |   |    | -              |                 |         |                         |          |         |               |       | ,                |

| .722.11.011.12221.1202   |                                       |  |                       |                            |             |
|--|---------------------------------------|--|-----------------------|----------------------------|-------------|
| Facility/Project Name  | Grid Location                         |  | Well Name             | 07 9-                      |             |
| cility License, Permit or Monutoring Number                                |                                       | IL □ K □ S.  | Wix Unique Well       | PZ-800<br>Number DNRWell N |             |
| cinty literized i climit or informating remain                             |                                       | ft DE DW.  | THE CHARGE THE        | Manuel DIAK AST VI         | umc         |
| Tope of Well Water Table Observation Well [11]                             | ection Location                       | ·  | Date Well Installed   |                            | 200000      |
| Piezometer 272   | 1/4 of                                | . I/4 of Section   |                       | <u></u>                    |             |
| Distance Well Is From Wasie/Source Boundary                                | TN, R                                 |  | Weil Installed By:    | (Person's Name and Firm)   | ,           |
| ft.  | ocation of Well Relan                 | _ [] E [] W<br>Ve to Waste/Source                        | Jerry                 | Ether                      |             |
| Well A Point of Enforcement Std. Application?                              | Upgradient                            | ☐ Sidegradient   | Giles                 | Enjinening                 |             |
| ☐ Yes ☐ No   | ☐ Downgradient                        | <del></del>  |                       |                            |             |
| A. Protective pipe, top elevation ft.                                      |                                       |  |                       | Z Ya D                     | No          |
| . Well casing, top elevation ft.   | MSL                                   | 2 Inside di  |                       | <                          | <i>O</i> ir |
|  | MSL                                   | b. Length:   |                       | _ <u></u> .                | _           |
|  |                                       | C Materia  |                       | Steed ⊠                    | _           |
| . Surface seal bottom ft. MSL or   | - "                                   |  |                       | Other []                   |             |
| 12. USCS classification of soil near screen:                               | -                                     | d Addition   | nal protection?       | // X Y = 0                 | М           |
|  | / /                                   | I year   | ecite Expa            | meable cap                 |             |
| ☐ Bedack   | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 3. Surface sea   | d <b>:</b>            | Bertonite 🗖                |             |
| 13. Sieve analysis attached?   | \                                     |  |                       | Concreie A                 |             |
| 4. Drilling method used: Rotary 50   |                                       | 4. Material be   | tween well casing an  | ad protective pipe:        | <u></u>     |
| Hollow Stem Auger 🗷 4 1  | \                                     | <u>₩</u>   |                       | Bentonite 2                | 3 (         |
| Other 🗆 🚞  |                                       |  |                       | ymmist abece sesi □        |             |
|  |                                       | <b>—</b>   |                       | Other 🛘                    |             |
| 5. Drilling fluid used: Water   02 Air   01 Drilling Mud   03 None   58 99 |                                       | 5. Armulæ sp   |                       |                            | 3 3         |
| Drilling Mud 🗆 03 None 🛱 99  |                                       | L  |                       | . Bommite sand sharry      |             |
| 6. Drilling additives used?  |                                       |  |                       | Bentanite slumy            |             |
|  |                                       |  |                       | d for my of the above      | 50          |
| Describe   |                                       | How installe   | at:                   | Tranie 🔀                   | 0 1         |
| 7. Source of water (anach analysis):                                       |                                       |  |                       | Tremie pumped              |             |
|  |                                       |  |                       | •                          | 08          |
|  |                                       | 5. Armular sp  Lb:  So Ca  How installe  6. Bentonite se | :al:                  | Bononie grandes 🛘          | 33          |
| . Benwrite seal, top ft_MSL or _ 2   | .º ft. 👹                              | □1/4 iz  | ı □3/8 in □1/2        | in.Benomite pellets 🛘      | 3 2.        |
| *  | \ m                                   | m /  | tonik Slur            | <u>ry</u> Other ,25€       |             |
| F. Fine sand, top ft. MSL or 29  | 0 0 0                                 | 7. Fine sand m  # 45  Volume adde  8. Filter pack in     | aterial: Mamifactur   | er, product name and mesh  | size        |
| y. Filter pack top ft. MSL or 30   | 0.                                    | # <del>-4</del> 5  |                       |                            |             |
| G. Filter pack top ft. MSL & _ 90  | '-' '-' '-' '-' '-' '-' '-' '-' '-'   | Volume add   |                       | _ <b>p</b>                 | -<br>       |
| Well screen, top ft_MSL or _ 3/  | 0 f_                                  | #-3  |                       | te, product name and mesh  | SUE         |
| , well seem tob  |                                       | Volume add   |                       |                            |             |
| L Well screen, bottom fr. MSL or 36  | 0 fL                                  | 9. Well casing   |                       | nd PVC schedule 40 🔯       | 23          |
|  |                                       |  | Flush directle        | dPVC schedule 80 🔲 🖸       | 24          |
| Filter pack bottom ft. MSL or 30e.   | D ft                                  |  |                       |                            |             |
| . Borehole, bottom ft. MSL or _ 36   |                                       | 10. Screen mate  | iale Puc              | <del></del>                |             |
| Borehole, bottom ft. MSL or _ 20   |                                       | Screen type:   | •                     | Factory cut 12 1           |             |
| ( P 47 ·   |                                       | <b>3</b>   |                       |                            | 0 1<br>2    |
| L Borehole, diameter _ 8.2 in.   |                                       | Manufacture  | Diedeich              |                            | 22 <u>2</u> |
| - O.D. well casing _234 in.  |                                       | Slot size  |                       | 010                        | in          |
| - 5.2. 754 - 6.2 / 11  |                                       | Slotted length   | Ľ                     | _ <u>5.0</u>               | ⊋fŁ.        |
| N. I.D. well casing 20 in.   |                                       | 11. Bechill mate   | iai (below filiz pect |                            |             |
| <u> </u>   | <u> </u>                              | · · · · · · · · · · · · · · · · · · ·                    |                       | Other 🗆                    |             |
| hereby certify that the information on this for                            | m is true and con                     | rect to the best of my                                   | knowledge.            |                            |             |
| ignanire   | Finn 11                               | •  |                       |                            |             |

ease complete and peturn both sides of this form as required by chs. 144, 147 and 160. Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144. Wis Stats., failure to file this form may result in a forfeinire of not less than \$10, nor more than \$5,000 for each day of violation. In accordance

|     |                  | of Wisc<br>artment o     |                                  | ral Reso          | ☐ Er   | olid Waste<br>nergency Response   | □ t               | Iaz. Waste<br>Indergroun | d Tanks        | 5                             |            |                         |                     | RING 1<br>00-122 | LOG IN           | FORM       | ATION<br>7-91    |
|-----|------------------|--------------------------|----------------------------------|-------------------|--|---|-------------------|--------------------------|----------------|-------------------------------|------------|-------------------------|---------------------|------------------|------------------|------------|------------------|
|     |                  |                          |                                  |                   | ·w   | astewater   |                   | Vater Resor<br>Other     | urces          |                               |            |                         |                     | P:               | age 1            | of         | 3                |
|     |                  | ity/Proje                |                                  |                   |  |   |                   | License/F                | ermit/N        | Ionitori                      | ng Nu      | mber                    | Borin<br>PZ         | ng Num           | ıber             |            | ٠.               |
|     |                  | llage of                 |                                  |                   | me and name of crev  | v chief)  |                   | Date Dril                | ling Sta       | rted                          | Dat        | e Drilli                |                     |                  | Drill            | ing Me     | thod             |
|     |                  | les Eng                  |                                  |                   |  | ŕ   |                   |                          | 5/10/97        |                               |            |                         | -<br>10/97          |                  |                  | <br>5 " ID | HSA.             |
|     | DNR              | Facility                 | weis:                            | va W              | I Unique Well No.  | Common Well Nar   | ne                | Final Stat               | ic Wate        | r Level                       | Sur        | face Ele                | vation              | 1                | Boreho           | le Dian    | neter            |
| .;  |                  |                          |                                  | -                 |  | 2.2 - 324   |                   |                          | Fee            |                               |            |                         | Feet                |                  | 8                | .25"       |                  |
|     |                  | ng Locati<br>Plane       | ion                              |                   |  | N, E S/C/   | ,<br>N            | Lat                      | 45º 15         | 5' 8"                         | Loc        | al Grid                 |                     | _                | applicab         |            |                  |
|     | SW               |                          | of SE                            | 1/-               | 4 of Section 17  | T 32Nn,R 4W   | •                 | Long                     | 90° 53         | 3' 50"                        |            | Fe                      | et 🗀                | l N<br>l S       |                  |            | □ E<br>□ W       |
|     | Coun<br>TA       | ty<br>YLOR               | 2                                |                   |  | DN<br>61  |                   | inty Code                | Civil          | Town/Ci                       | ty/ or     | Village                 |                     |                  |                  |            |                  |
|     | Sa               | mple                     |                                  |                   |  |   |                   |                          |                |                               |            |                         | So                  | il Prop          | erties           | 1          |                  |
|     |                  |                          | ots                              | eet               | l .  | ock Description   | •                 |                          |                |                               |            |                         |                     |                  |                  |            |                  |
|     | . F              | ı (in                    | Com                              | In F              |  | ologic Origin For   |                   | S                        | ي.             |                               |            | atio                    | i ie                | .                | 1                |            | ents             |
|     | Number           | Length (in)<br>Recovered | Blow Counts                      | Depth In Feet     | Eac  | h Major Unit  |                   | SC                       | Graphic<br>Log | Well<br>Diagram               | PID/FID    | Standard<br>Penetration | Moisture<br>Content | Liquid<br>I imit | Plastic<br>Limit | P 200      | RQD/<br>Comments |
|     | <u> Ź</u>        | 12%                      | B                                | Ā                 | (0.0' 1.0') T  | OPSOIL, dark bro  |                   | OL<br>D                  | 27             |                               | 죠          | <u>क्र जू</u>           | ΣČ                  |                  |                  | <u> </u>   | <u>≋</u> ŏ       |
|     |                  |                          |                                  | E                 | silty, moist. (C   | OL, Loess)  | JWII,             |                          |                |                               |            |                         |                     |                  |                  |            |                  |
| PZ  | 801              | 18                       | 2<br>3<br>4<br>6                 | 1<br>2<br>3       | and trace to little<br>brown with sor<br>mottles, homog                                  | LT, with some classifier sand, light one brown and grasseneous structure, moist, no odor. (                   | y                 | ML                       |                | X X                           | 2.2        |                         |                     |                  |                  |            |                  |
|     | 802<br>803       | 16<br>14                 | 5<br>4<br>4<br>5                 |                   | clay, sand is fir<br>of medium sand<br>4/6), homogene<br>moist, no odor.<br>Mikana Membe | ANDY SILT, with the grained with the did reddish-brown cous structure, fir. (SM, Basal Till, er, Copper Falls | ace<br>(5YR<br>m, |                          |                |                               | 2.2        |                         |                     |                  |                  |            |                  |
| PZ  |                  | 20                       | 5<br>10<br>9<br>2<br>2<br>3<br>3 |                   | medium grained<br>gravel and trace<br>(5 YR 4/6), hor<br>medium dense,                   | ior. (SM, Basal T   | ne<br>own<br>ire, | SP<br>SM                 |                |                               | 4.0        |                         |                     |                  |                  |            |                  |
| PZ8 |                  | 8                        | 1 1 2 2 2                        | -10<br>-11<br>-12 | (7.5' - 8.0') SA reddish brown, saturated, no od Mikana Membe Formation)                 | lor. (SM, Basal T<br>r, Copper Falls  | ill,              | SP                       |                |                               | 3.0        |                         |                     |                  |                  |            |                  |
|     | hereb<br>Signati |                          | that th                          | e infor           | nation on this form i  | s true and correct to the   |                   |                          |                |                               | . <b>:</b> | ·•                      | т. ·                | _ T -            |                  |            | •                |
| •   | •                | _                        | an                               | 1                 | 1. Ston  | Q.  |                   | 3                        | 30 Sout        | rn Env<br>h 4th Av<br>0762-15 | enue       | Park F                  | alls, V             | VI 545           | 52               | •          |                  |

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

| Boring Number PZ800 Use only as an attachment to Form 4400-122. |                          |                   |                   |  |      |                |                 |         | e 2                     | of .                | 3               |                  |       |                  |
|---|--------------------------|-------------------|-------------------|--|------|----------------|-----------------|---------|-------------------------|---------------------|-----------------|------------------|-------|------------------|
| Sa  | mple                     | _                 |                   |  |      |                |                 |         |                         | Soil                | Prope           | rties            |       | -                |
| Number  | Length (in)<br>Recovered | Blow Counts       | Depth In Feet     | Soil/Rock Description And Geologic Origin For Each Major Unit  | USCS | Graphic<br>Log | Well<br>Diagram | PID/FID | Standard<br>Penetration | Moisture<br>Content | Liquid<br>Limit | Plastic<br>Limit | P 200 | RQD/<br>Comments |
| PZ806   | 24                       | 0                 | F                 | (8.0' - 10.0') SILTY SAND, fine to   | SM   |                |                 | 1.9     |                         |                     |                 |                  |       |                  |
|   |                          | 0 1 1             | -13<br>-14        | medium grained, with some gravel<br>and trace clay, brown (5 YR 4/6),<br>loose, saturated, no odor. (SM, Basal<br>Till, Mikana Member, Copper Falls<br>Formation)              |      |                |                 |         |                         |                     |                 |                  |       |                  |
| PZ807   | 20                       | 0                 | E                 | (10.0' - 12.0') SAND, medium   |      |                |                 | 2.2     |                         |                     |                 |                  |       |                  |
|   | u                        | 1 2               | 15                | grained with trace coarse sand and trace gravel, loose, saturated, no odor. (SP, Basal Till, Mikana  |      |                |                 |         |                         |                     |                 |                  |       |                  |
| PZ808   | 24                       | 1 2 2 2 2         | -17               | Member, Copper Falls Formation) (12.0' - 32.0') SILTY SAND, fine to medium grained, with trace to some gravel and trace clay, brown (5 YR 4/6), soft, saturated, no odor. (SM, |      |                |                 | 2.2     |                         |                     |                 |                  |       |                  |
| PZ809   | 18                       | 1<br>2<br>3<br>3  | 19                | Basal Till, Mikana Member, Copper Falls Formation) Little instead of trace clay between 14' and 16'. More clay, stiffer consistency, and                                       |      |                |                 | 1.1     |                         |                     |                 |                  |       |                  |
| PZ810   | 14                       | 0<br>1<br>2<br>3  | -20<br>-<br>-21   | slight plasticity between 17' and 20'. Little to some gravel present between 18 and 32 feet. Less clay between 20 and 32 feet.   |      |                |                 | 2.4     |                         |                     | ·               |                  |       |                  |
| PZ811   | 12                       | 6<br>7<br>7<br>5  |                   |  |      |                |                 | 3.7     |                         |                     |                 |                  |       |                  |
| PZ812   | - 16                     | 24<br>7<br>6<br>6 | -24<br>-25        | Few cobbles present in soil matrix between 24' and 32'.  |      |                |                 | 1.7     |                         |                     | :               |                  |       |                  |
| PZ813   | 0                        | 3<br>3<br>3       | -26<br>-<br>-27   |  |      |                |                 |         |                         |                     |                 |                  |       |                  |
| PZ814   | 18                       | 1<br>2<br>3<br>3  | -28<br>-<br>-29   |  |      |                | 8               | 0.9     |                         |                     |                 |                  |       |                  |
| PZ815   | 10                       | 2<br>3<br>2<br>3  | -30<br>-31<br>-32 | Thin seam of brown (5 YR 4/4) medium sand at 31 feet.  |      |                |                 | 0.4     |                         |                     |                 |                  |       |                  |

7-91

| Borir    | Boring Number PZ800 Use only as an attachment to Form 4400-122. |                    |                 |  |      |         |                        |         |                         |   | Pa              |   | of     | 3                |
|----------|---|--------------------|-----------------|--|------|---------|------------------------|---------|-------------------------|---|-----------------|---|--------|------------------|
| Number S | Length (in) ad Recovered  | Blow Counts        | Depth In Feet   | Soil/Rock Description And Geologic Origin For Each Major Unit  | USCS | Graphic | Log<br>Well<br>Disgram | PID/FID | Standard<br>Penetration |   | Liquid<br>Limit | 6 | P 200  | RQD/<br>Comments |
| PZ816    | 14  | 1<br>10<br>14<br>9 | -33             | (32.0' - 34.0') SILTY SAND, fine to medium grained, with some gravel, brown (5 YR 4/3), dense, saturated, no odor. (SM, Basal Till, Mikana Member, Copper Falls Formation) | SM   |         |                        | 0.1     |                         |   |                 |   |        |                  |
| PZ817    | 10  | 1<br>7<br>50+      | -34<br>-35      | (34.0' - 37.0') SAND, medium grained, with coarse sand, little to some gravel, and trace silt, brown (5 YR 4/6), dense, saturated, no odor.                                | SW   |         |                        | 0.9     |                         |   |                 |   |        |                  |
| PZ818    | 12  | 4<br>7<br>17<br>11 | -36<br>-<br>-37 | (37.0' - 38.0') SILTY SAND, fine to medium grained, with some gravel   | SM   |         |                        | 0.1     |                         |   |                 |   |        |                  |
| . L      |   |                    | -38             | and trace clay, brown (7.5YR 4/4), dense, saturated, no odor. (SM, Basal Till, Mikana Member, Copper Falls Formation)  |      |         |                        |         |                         |   |                 |   |        |                  |
| ,        |   |                    |                 |  |      |         |                        |         |                         | - |                 |   | -<br>- |                  |
|          |   |                    |                 |  |      |         |                        |         |                         |   |                 |   |        |                  |
|          |   |                    |                 |  |      |         |                        |         |                         |   |                 |   |        |                  |
|          |   |                    |                 |  |      |         |                        |         |                         | , |                 |   | ·      |                  |
|          |   |                    |                 |  |      |         |                        |         |                         |   |                 |   | ٠.     |                  |
|          |   |                    |                 |  |      |         |                        |         |                         |   |                 |   |        | -                |
|          |   |                    |                 |  |      |         |                        |         |                         |   |                 |   |        |                  |

| State of | Wisconsin      |           |
|----------|----------------|-----------|
| Departm  | ent of Natural | Resources |

#### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

| ٠  |   | •                                      |                         |         |   | Pa               | ge                  | <u> </u> of_ |                 |      |
|--|---|--|-------------------------|---------|---|------------------|---------------------|--------------|-----------------|------|
| Facility/Project Num Former  |   | License/                               | Permit/Monit            | oring N | umber Bo                                      | ring Nu          | mber                | GP           | -1              |      |
|  | Name of crew chief (first, last) and Firm                     |  | ling Started            |         | Drilling C                                    |                  |                     |              |                 |      |
| Firm:  |   | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | <u>8,201</u>            | 기음      | $\frac{1}{2}$ , $\frac{1}{4}$ , $\frac{2}{3}$ | y y y            | 6                   | eop          | robe,           | /H5, |
| WI Unique Well No.   | .DNR Well ID No.   Well Name                                  | Final Stat                             | ic Water Lev<br>FeetMSL |         |   | n<br>et MSL      | Bore                | hole Di      | ameter<br>nches |      |
| Local Grid Origin D  | cestimated: O ) or Boring Location O                          | Lat_                                   | 0 '                     |         | Grid Loca                                     | tion             | <u> </u>            |              |                 |      |
| · ·  | 14 of Section, TN, R  | Long_                                  | 0 '                     | -       | Fæt   | ПN<br>ПS         |                     |              | □ E<br>□ W      |      |
| Facility ID  | County  | County Code                            |                         |         | or Village                                    |                  | Jas                 | 1:10         | (BH             |      |
| Sample   | 8   | 1                                      | Pe                      | rsh     |   | il Prope         |                     |              | (61)            | men  |
| if. & In (in) and in the interval of the inter | Soil/Rock Description   |  | 1 1                     |         | 2   |                  | ,                   |              |                 |      |
| and Type Length Att. A Recovered (ir Blow Counts   | Soil/Rock Description And Geologic Origin For Each Major Unit | S                                      | : <u>2</u>              | PID/FID | Compressiv<br>Strength<br>Moisture            |                  | Plasticity<br>Index |              | )/<br>ment      |      |
| Reco   | (a)   | US                                     | Oraphic<br>Log<br>Well  | PID/FID | Compress<br>Strength<br>Moisture              | Liquid<br>Liquid | Plas                | P 200        | RQD/<br>Comm    | ٠.   |
|  | grand   | j                                      | 1 1                     | İ       |   |                  |                     |              |                 | _    |
|  | gray sitt w clay  | .}                                     | 1 1                     | 17      | m   |                  |                     | 1            |                 |      |
|  | 1   | j                                      |                         |         |   |                  |                     | - 1          |                 | J.   |
| 171  | _   |  |                         |         |   | 1                |                     | 1            |                 | 4    |
| 5  | 4   |  |                         | Za      |   | 1 1              |                     | - 1          |                 |      |
|  |   |  |                         |         |   | ] ]              |                     |              |                 |      |
|  |   |  |                         | 1 1     |   | 1 1              | - 1                 | - 1          |                 |      |
|  | a constant unt of an as                                       | 4.0                                    | -                       |         | lue   | # 1              | . [                 |              | ,               |      |
| 10   | gray sitt w clay +s   | ange.                                  |                         | 4       | Jun   | 1 1              | - 1                 |              |                 |      |
|  |   |  |                         | 19      | -   | 1                |                     |              |                 |      |
| 1 - 1  | redbores clauser si   | 12                                     |                         |         |   |                  |                     |              | •               |      |
|  | redbron clayey si   | 11                                     |                         |         |   |                  |                     |              |                 |      |
|  | 4   | - 1                                    |                         | 4       |   |                  | - 1                 | - {          |                 |      |
|  |   |  |                         | '       |   |                  | 1                   | -            |                 |      |
|  | 1   |  |                         |         |   |                  |                     |              |                 |      |
| 111 1 1  |   |  |                         |         | 1 1   |                  | - 1                 |              |                 |      |
|  |   |  |                         | 0       |   |                  |                     | }            |                 |      |
| 20   | \( \bullet \)   |  |                         |         |   |                  |                     |              |                 |      |
| 1 1 7  | E08 = 20 F4   | <del></del>                            | 1 1                     | - 1     | 1 1   | - 1              | ı                   | 1            |                 |      |

Environments This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Firm

Meridian

| State of Wisconsin              |  |
|---------------------------------|--|
| Department of Natural Resources |  |

#### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

|   | Route T                                 | o: Watershed/Wastewater<br>Remediation/Revelops |            |  | ent _      | <u> </u>                   |                                      |                         |                 |                     | ,     | 1                 |           | ;<br>; |
|---|---|---|------------|--|------------|----------------------------|--------------------------------------|-------------------------|-----------------|---------------------|-------|-------------------|-----------|--------|
|   |   |   | ·          |  | <u> </u>   |                            |                                      |                         | Pag             |                     | / of  |                   | ·         |        |
| Facility/Project 1  |   | held Store                                      |            | License/I                                    | 'ermit/l   | Monitoring 1               | Number                               | Bori                    | ing Nur         | nber<br>(           | G F   | )-Z               |           |        |
| Boring Drilled By   |   | crew chief (first, last) and I                  | 'irm       | Date Drill                                   |            |                            | nte Drillir                          |                         |                 |                     | -     |                   |           |        |
| Firm:   |   | <u> </u>  |            | 8 Z /1                                       | <u>a'y</u> |                            | $\frac{2}{m},\frac{1}{d}\frac{8}{d}$ |                         | <u>y</u> y y    |                     |       |                   | 2/H       | SA     |
| WI Unique Well  | No. DN                                  | R Well ID No. Well Nam                          | ne         | Final Stati                                  |            | rLevel Su<br>MSL           | rface Ele                            |                         | MSL             | Bore                |       | iameter<br>inches |           |        |
| Local Grid Origin<br>State Plane                                    | (estimat                                | ed: D) or Boring Locati                         | on 🗆 .     | Lat  | <u> </u>   | ما ۱۰                      | cal Grid l                           |                         |                 | ·                   |       |                   |           |        |
| 1/4 of  | _ 1/4 of Secti                          | <del>-</del> -                                  | <u>-</u> _ | Long_  | 0          | <u> </u>                   | F                                    | ]<br>  135 <sup>2</sup> | אב<br>25 _      |                     | _Fœ   | id W              |           |        |
| Facility ID   |   | County  | Cou        | mty Code                                     | Civi       | Town/City<br>Persh         | or Villa                             |                         | Téu             | ر کرم ک             | hip   | (a                | Im        | ماء    |
| Sample  | 8                                       | 1 120151  |            |  | +          | 12/3/                      |                                      |                         | Prope           |                     |       |                   | 1 ) / 0   | -EPC   |
| d (in)  | Depth in Feet<br>(Below ground surface) | Soil/Rock Descripti And Geologic Origin         |            |  |            |                            | <u>x</u>                             |                         |                 |                     |       | . ,               |           |        |
| Number<br>and Type<br>Length Att. d<br>Recovered (in<br>Blow Counts | ri iii                                  | Each Major Unit                                 |            | CS   | Ę          | Well<br>Diagram<br>PID/FID | Compressive<br>Strength              | Moisture<br>Content     | ri di           | Plasticity<br>Index | 8     | RQD/<br>Comments  |           |        |
| B G L and   | D B                                     |   |            | ΩS   | Ormphic    | Well<br>Diagrar<br>PID/FI  | S.S.                                 | <b>2</b> 0 €            | Liquid<br>Limit | Plastic<br>Index    | P 200 | 50                |           |        |
| 1/1/1   |   | gravel  |            | )  |            |                            | 1 1                                  |                         |                 |                     |       |                   |           |        |
|   | 50                                      | udy silt. grav                                  | 7. 9 as    | 97   |            | 81                         |                                      | m                       |                 |                     |       | !                 |           |        |
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|   | da                                      | rk gray sitt w                                  | saud       | <b>'</b>                                     |            | .                          | 1.1                                  |                         | Ì               |                     | 1     | •                 |           |        |
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| 171   |   | •   |            |  |            | .                          | 1 1                                  | uet                     | - 1             |                     |       |                   |           |        |
| -   | الم الم                                 | andy silt                                       |            |  |            |                            |                                      |                         |                 |                     |       |                   |           |        |
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| 1411  | 1.                                      |   |            |  | - 1        |                            |                                      | 11                      | - [-            |                     |       | •                 |           |        |
|   | j                                       | ]   |            |  |            |                            |                                      | Ш                       | - 1             |                     |       |                   |           |        |
| 1111,   | 5                                       | 1   |            | 1 1  |            | 0                          |                                      |                         | .               |                     |       |                   |           |        |
| 111"  | 7                                       |   |            |  |            | 1-1                        |                                      | 1                       | - 1             | 1                   |       |                   |           |        |
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|   |   | EDB = 16  | FU         |  |            |                            |                                      |                         |                 |                     |       |                   |           | ٠      |
|   | ·                                       |   |            |  |            |                            |                                      |                         |                 |                     |       |                   |           |        |
| 20  | 익                                       |   | + 2        |  |            |                            |                                      |                         |                 |                     |       |                   |           |        |
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| <u> </u>  | <u> </u>                                | n on this form is true and                      |            | <u>                                     </u> | <u> </u>   | <u> </u>                   | <u> </u>                             | - 1                     |                 | 1                   | · I   | <u> </u>          | <u></u> 1 |        |

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| Departin | ent of Natural | Resources |

## SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

|  | Remediation/Revelopment                   |                       |                                   |                 |   | Pag             | se/                 | of     |                  |          |
|--|---|-----------------------|-----------------------------------|-----------------|---|-----------------|---------------------|--------|------------------|----------|
| Facility/Project Name  | Donald Store                              | License/              | ermit/Monito                      | ring.Nur        | mber Bor                                      | ing Nun         | nber                | GP     | -3               |          |
| Boring Drilled By: N<br>FirstName:                             | Name of crew chief (first, last) and Firm |                       | ling Started<br>8, 2016           | 102             | Drilling Con                                  | 016             | 1 1                 | _      |                  | <u> </u> |
| Firm: WI Unique Well No.                                       | DNR Well ID No.   Well Name               | 面面包                   | d'yyy                             | <u> </u>        | ddy   | y y y           |                     | eepn   |                  | <u> </u> |
|  | (estimated:   ) or Boring Location        |                       | Feet MSL                          | 1 000           | Fee   | t MSL           | <u> </u>            | inc    | ches             |          |
| State Plane  | NE  | Lat_                  |                                   |                 | I   | ПN              |                     |        | E                |          |
| 1/4 of 1/4<br>Facility ID                                      | f of Section, TN, R                       | Long _<br>County Code | Civil Town                        | .]<br>/City/ or | Feet [  |                 | <del></del>         | _Fcct⊏ | -                |          |
| Sample   | Taylor                                    | L==                   | Pe                                | rshi            |   | Proper          |                     | rip (  | (B)              | mai      |
| Sample N   | Soil/Rock Description                     |                       |                                   | <u> </u>        | <u> </u>                                      | Proper          | ·                   |        |                  |          |
| Length Att. & Polymer Recovered (in) Blow Counts Depth in Feet | And Geologic Origin For Each Major Unit   | SCS                   | Graphic<br>Log<br>Well<br>Diagram | PID/FID         | Compressiv<br>Strength<br>Moisture<br>Content | Liquid<br>Limit | Plasticity<br>Index | P 200  | Comments         |          |
|  | ė́  | <u> </u>              | \$ 3 ≥ 5                          |                 | <u>5%  ≥ç</u>                                 | <u> </u>        | <u> </u>            | P 2    | <u> දිවි</u>     |          |
|  | brown 5ilt ut clay                        |                       |                                   |                 |   |                 |                     |        |                  |          |
| 1111   | brown 5114 my clay                        |                       |                                   | P               | m   |                 |                     |        |                  |          |
| 141  |   |                       |                                   |                 |   |                 |                     |        |                  | 2<br>4   |
|  | sitty sand                                |                       |                                   |                 |   |                 |                     | -      |                  |          |
|  |   |                       |                                   | 0               | _   |                 |                     |        |                  |          |
|  |   |                       |                                   |                 |   |                 |                     |        |                  |          |
| H  | • )                                       |                       | .                                 |                 | wel   |                 |                     | -      |                  |          |
| 10_  | brown clarges silt                        |                       |                                   |                 |   |                 |                     |        |                  |          |
| 1)   | w Sand                                    |                       | 1 1                               | 3               |   | - 1             |                     | -   .  |                  |          |
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## SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

|  |                    | Remediation/Revelopment                       | ,        |           |                      |                   |          |                        |                     | Pa           | ge                  | <u> </u> of |                                       |             |
|--|--------------------|---|----------|-----------|----------------------|-------------------|----------|------------------------|---------------------|--------------|---------------------|-------------|---------------------------------------|-------------|
| Facility/Project National Former                 | Donal              | d Store                                       | Lic      | сепве/Р   | <del>cim</del> it/l  | Monitor           | ing Nu   | mber                   | Bori                | ing Nu       | mber                | G 1         | P-4                                   |             |
| Boring Drilled By:                               | Name of crew       | chief (first, last) and Firm                  |          | te Drilli |                      |                   | Date     | Drilli                 | ng Cor              | npicted      | Drill               | ing M       | ethod                                 | •           |
| Firm:  | · .                |   |          | Z/18      | <u>کے رکا</u><br>d y |                   | 5        | 1 d                    | 1 7 .               | 916<br>7 7 7 | 6                   | eo          | probe                                 | /HS         |
| WI Unique Well No                                | . DNR We           | II ID No.   Well Name                         | Fin      | al Static | Water<br>Feet        |                   | Surf     | cc Ele                 | vation<br>Feet      | MSL          | 1                   |             | hameter<br>inches                     |             |
| Local Grid Origin I                              | (estimated: D<br>N | ) or Boring Location D                        |          | Lat       | D                    | i . 17            | Loca     | Grid                   | Locati              | DXN .        | <del></del>         |             | · · · · · · · · · · · · · · · · · · · |             |
| · ·  | /4 of Section      |   | 1        | ong       | 0                    | 1 8               | <u> </u> | I                      | ם<br>בו⊆            | IN<br>IS _   |                     | _Fee        | E<br>Et 🗆 W                           |             |
| acility ID                                       | Cou                |   | County   | Code      |                      | Town/<br>Per      |          |                        |                     | 18.          | ء مال               | hip         |                                       | Imal        |
| Sample   | 8                  | 1 124101                                      |          | 一         | +-                   | ren               | Sni      | 1                      |                     | Prope        |                     |             | 161                                   | <u> mai</u> |
| d (in)   | agas p             | Soil/Rock Description And Geologic Origin For | •        |           |                      |                   | , ,      | و<br><u>خ</u>          |                     |              | , •                 |             | .,                                    |             |
| and Type Length Att. A Recovered (ir Blow Counts | (Below ground surf | Each Major Unit                               |          | CS        | ž                    | II gram           | PID/FID  | Compressiv<br>Strength | Moisture<br>Content | 필급           | Plasticity<br>Index | ٩           | )/<br>Imen                            |             |
| B Real and                                       | 1 E                | 4   |          | US        | 8 3                  | Well .<br>Diagram | PID      | Stre                   | Se.                 | Limit        | Plas                | P 200       | RQD/<br>Comm                          |             |
|  | 900                | bra. 51H                                      |          |           |                      |                   |          |                        |                     |              |                     |             |                                       |             |
|  | dark               | bra. silt                                     |          |           |                      |                   | 20       |                        | 14.                 |              |                     |             |                                       |             |
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|  | bon                | sandy silt                                    |          |           |                      |                   |          |                        |                     |              |                     |             |                                       |             |
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|  | F                  | 0B=12 P                                       | <b>}</b> |           |                      |                   |          |                        |                     |              |                     |             |                                       |             |
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## SOIL BORING LOG INFORMATION From 4400-122 Rev. 7-98

| ,  |              |                                   | roin 4400                    |                     |           |  |                    |       |             |
|--|--------------|-----------------------------------|------------------------------|---------------------|-----------|--|--------------------|-------|-------------|
| Route To: Watershed/Wastewater Waste   |              | nt 🗌                              |                              |                     |           |  |                    |       |             |
| Remediation/Revelopment O  | ther 📙 _     |                                   |                              |                     |           |  |                    | 1     |             |
|  |              |                                   |                              |                     | Page      | <u>.                                    </u> | of                 | 1     |             |
| Facility/Project Name  | License/Po   | mit/Monitor                       | ing Number                   | Borin               |           | ber  | 7 0 (              | =-    | _           |
| Former Donald Store  | l            |                                   |                              |                     |           |  | 3 P - S            |       |             |
| Boring Drilled By: Name of crew chief (first, last) and Firm   | Date Drilli  |                                   | Date Drill                   |                     |           | Drillin                                      | ng Method          |       | _           |
| First Name: Last Name:   | 1 = - /      | 3,201b                            |                              | <u> 20</u>          | 16        | 6  | eopro              | ا صلا | He.         |
| Firm:  | mm do        |                                   |                              | <u>a'yy</u>         |           |  |                    |       | フシノ:<br>-   |
| WI Unique Well No.   DNR Well ID No.   Well Name   | Final Static | Water Level<br>Feet MSL           | Surface El                   | evation<br>Feet l   |           | Boren  | ole Diame<br>inche |       |             |
| Local Grid Origin  (estimated: ) or Boring Location  | L_==         |                                   | Local Grid                   |                     |           | L  |                    |       | <del></del> |
| State PlaneN,E   | Lat_         | <u> </u>                          |                              |                     |           |  |                    | F     |             |
| 1/4 of 1/4 of Section , T N, R   | Long         | 0 ' "                             |                              | Feet 🗖              |           |  | Fœt□ '             |       |             |
|  | unty Code    | Civil Town/                       | City/ or Vill                | lage                |           |  |                    |       | -           |
| Taylor   |              | Per                               | shing                        | . T                 | ВW        | 15h  | ip (6              | nti E | ran         |
|  |              |                                   |                              | Soil P              | roper     | ties   |                    |       | -           |
| Sample  Sample  Soli/Rock Description  And Geologic Origin For  Each Major Unit  Each Major Unit   | 1            | 1 .                               |                              | 1 1                 | - 1       | - 1  | - 1                |       |             |
| And Geologic Origin For  | 50           |                                   | ۔ ﷺ                          |                     | - 1       | 7  | 1                  | 5     |             |
| And Geologic Origin For Com Each Major Unit  Blow Each Major Unit  Blow Each Major Unit  B | U            |                                   |                              | 9 5 6               | 물         | ig K   | 0   >              | Ē     |             |
| Soil/Rock Description And Geologic Origin For Each Major Unit  Blow Counts  Blow Co | U.S.         | Oraphic<br>Log<br>Well<br>Diagram | PID/FID Compressive Strength | Moisture<br>Content | Link      | Plasticity<br>Index                          | P 200              |       |             |
|  | 1 1          | 071. 1                            | -   00                       | 1~01.               | <u> }</u> | <del></del>                                  | <u> </u>           |       |             |
| gravel   |              |                                   |                              | 1 1                 | 1         | - 1  |                    |       |             |
| brn. silt  | 1 1          | †                                 |                              | m                   |           |  | 1                  |       |             |
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| 5 brn sitty saul   |              | 1 1                               |                              |                     | - 1       |  |                    |       |             |
| JI John Sily Seal  |              |                                   |                              | 1 • 1               | -         |  | - 1                |       |             |
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| 10 bon sity send   |              | 1 6                               | 51                           | ٠ ]                 |           |  | - 1 -              |       |             |
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## SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

|  |                        | <u> </u>        |                                  | •   |            |                         |                   |          |                         |                     | Pa              |                     | <u> </u> | <u> </u>           |     | _  |
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| Facility/Project Nat                     |                        | Id S            | tore                             |     | License/F  | <del>, ει ι</del> υτίγγ | /onitor           | mg.Nu    | mber                    | Bor                 | ng Nu           | mber                | C        | P-                 | 6   | -  |
| Boring Drilled By: First Name:           |                        | w chief (first, | last) and Firm                   |     | Date Drill |                         |                   | Date     | Drilli                  | ng Cor              | mpletec         | Dril                |          |                    |     | •  |
| Firm:                                    |                        |                 |                                  |     | 8 Z /1     | d'y                     | <u>y</u> y y      | 一一       | 7 4 7                   |                     | 7 7 Y           |                     |          | prob               |     | 15 |
| WI Unique Well No                        | _  _                   | Vell ID No.     | Well Name                        | 1   | inal Stati | - Walca<br>_Feet        |                   | Surfa    | ce Ele                  | vation<br>Fec       | MSL             | Bore                | hole [   | Diameter<br>inches | ŕ . |    |
| ocal Grid Origin I<br>State Plane        | (estimated:            | D) or Bo<br>N   | ring Location □<br>E             |     | Lat_       | D                       | i. m              | Local    | Grid                    | Locati<br>r         | on<br>J N       | -                   |          | ΠE                 |     |    |
|  | /4 of Section          |                 | N. R                             | -   | Long_      | 0                       | 1 *               | <u> </u> |                         | Fœt [               |                 |                     | _Fa      | et 🗆 W             |     |    |
| acility ID                               |                        | Taul            | ÷r                               | Cou | nty Code   |                         | Town/<br>Per      |          |                         | ege _               | TOU             | عمر                 | hip      | (6                 | Hm  | æ  |
| Sample                                   | (face)                 |                 |                                  |     |            |                         |                   |          | <u> </u>                | П                   | Prope           | rties               | T -      | -                  |     |    |
| Length Att. & Recovered (in) Blow Counts | (Below ground surface) | And Geole       | k Description<br>ogic Origin For |     | 50         |                         | F                 | Д        | Compressive<br>Strength | 2_                  |                 | ,<br><u>~</u>       |          | S Inc              |     |    |
| Length Att Recovered Blow Coun           | alow a                 | Each l          | Major Unit                       |     | USC        | Oraphic                 | Well .<br>Diagram | PID/FID  | mpre                    | Moisture<br>Content | Liquid<br>Limit | Plasticity<br>Index | P 200    | RQD/<br>Comme      |     |    |
| 트그짓 때 [                                  |                        | 9 1000          | <u>Y</u>                         |     | -   -      | 193                     |                   | ا م      | స్తాన్                  | ≥o                  | 177             |                     | <u> </u> | l ≃o               |     |    |
|  | bon                    | grave<br>Sand   | L silk                           |     |            |                         | . }               | 0        | -                       | m                   |                 |                     |          |                    |     |    |
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| 141                                      | _                      |                 |                                  |     |            |                         | Į                 |          |                         |                     | . (             |                     |          |                    | 1   |    |
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|  | 1                      | - 1             | 1                                |     |            |                         |                   |          |                         | well                | 7               |                     |          |                    |     |    |
| 10                                       | ┥                      |                 |                                  |     |            |                         |                   | 7        |                         |                     |                 |                     |          |                    |     |    |
|  | 1                      |                 |                                  |     | 1 1        |                         |                   |          |                         | -                   |                 | 1                   | - 1      |                    |     |    |
|  |                        |                 |                                  |     | 1 1        |                         |                   |          | -                       |                     | - 1             |                     |          |                    |     |    |
|  |                        |                 |                                  |     | 1 1        |                         | K                 | 9        |                         |                     |                 |                     |          |                    |     |    |
| 15_                                      |                        |                 |                                  |     |            |                         | 1                 |          |                         |                     |                 |                     |          |                    |     |    |
|  |                        |                 |                                  |     | ,          |                         |                   |          |                         |                     |                 |                     |          |                    |     |    |
|  | E                      | 0B=             | 16 PR                            |     |            |                         |                   | .        |                         |                     |                 |                     |          |                    |     |    |
|  |                        |                 |                                  |     |            |                         |                   |          |                         |                     |                 |                     |          |                    |     |    |
| 20                                       |                        | • •             |                                  |     |            |                         |                   |          |                         |                     |                 | 1                   |          |                    |     |    |
| .     7                                  | •                      |                 |                                  |     |            | - 1                     | -                 | 4        | -                       | - 1                 |                 |                     |          |                    |     |    |

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Meridian Environmental

GR-1

State of Wisconsin Department of Natural Resources PO Box 7921, Madison WI 53707-7921 dur wi nov

## Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

Page 1 of 2

| Route to: Drinking Water Watershed/Wastewater Waste Management         | Remediation/Redevelopment Other:   |
|--|--|
| 1. General information   | 2. Facility / Owner information  |
| WI Unique Well No. DNR Well ID No. County                              | Facility Name Former Douald Store  |
| Common Well Name  Gov't Lot # (if a pplicable)                         | Facility ID License/Permit/Monitoring No.  |
| 1/1/2 1/2 Section Township Range E                                     | Street Address of Well W16623 Covering Rel M   |
| Well Location ft. / M (Local Grid ) Datum                              | City, Village or Town  Pershams Township - Taylor  |
| N/SE/W   | Present Well Owner Original Well Owner   |
| WTM- UTM- Latitude/LongItude- State Plane- S C N                       | Street Address or Route of Present Owner   |
| Local Grid Origin R. / M Datum   |  |
| N,E/WZone  | City God State ZIP Code W= 54433   |
| WTM UTM Latitude/Longitude State Plane S C N                           | 4. Pump, Liner, Screen, Casing & Sealing Material  |
| Reason For Abandonment WI Unique Well No. of Replacement Well          | Pump and piping removed?   |
| 3. Well / Drillhole / Borehole Information                             | Liner(s) removed?  |
| Original Construction Date   | Screen removed?  |
| Monitoring Well Z-18-16  | Casing left in place? LYes LNo LN/   |
| Water Well  If a Well Construction Report is available, please attach. | Was casing cut off below surface?  Did sealing material rise to surface?  Yes No No  |
| Construction Type:   | Did material settle after 24 hours?  |
| ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug                                   | If yes, was hole retopped?   |
| Pother (specify): 6 eon robe.  | If bentonite chips were used, were they hydrated with water from a known safe source?  |
| Formation Type:  | Required Method of Placing Sealing Material  |
| ✓ Unconsolidated Formation Bedrock                                     | Conductor Pipe-Gravity Conductor Pipe-Pumped   |
| Total Well Depth From Groundsurface (ft.) Casing Diameter (in.)        | Screened & Poured (Bentonite Chips)  Sealing Materials   |
| Lower Drillhole Diameter (in.) Casing Depth (ft.)                      | Neat Cement Grout Clay-Sand Slurry (11 lb./gal. w  |
| Was well annular space grouted? Yes No Unknown                         | Sand-Cement (Concrete) Grout Bentonite-Sand Slurry * *  Concrete Bentonite Chips   |
| If yes, to what depth (feet)? Depth to Water (feet)                    | For Monitoring Wells and Monitoring Well Boreholes Only:   |
|  | ☐ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Bentonite - Sand Slurry   |
| 5. Material Used To Fill Well / Drillhole                              | From (ft.) To (ft.) No. Yards, Sacks Sealant Mix Ratio or or Volume (circle one) Mud Weight  |
| Granuar Bentonite  | Surface ZO   |
|  |  |
| \$. Comments   |  |
| 7. Supervision of Work   | DNR Use Onlý   |
| Name of Person or Firm Doing Sealing Work Date of Aban                 |  |
| M41dian Env. Cs 14 2-18  | -1b  |
| Street or Route  Telephone Ni  (75) %                                  | A A A A B A LONG LANGUAGE CONTROL OF A CONTR |
| City State ZIP Code  | Signature of Person Doing Work Date Signed   |
| tall treek WI 54742  | 3-20-16  |

GP-2

State of Wisconsin Department of Natural Resources PO Box 7921, Madison WI 53707-7921 dnr.wi.gov

## Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

Page 1 of 2

| Route to:  Drinking Water Watershed/Wastewater Waste Management  | Remediation/Redevelopment Other:   |
|--|--|
| 1. General Information   | 2. Facility / Owner information  |
| WI Unique Well No. DNR Well ID No. County  | Facility Name  |
| 211. Vol. 12 10. 55211.)   | Former David Store   |
| Common Well Name Gov't Lot # (if applicable)   | Facility ID License/Permit/Monitoring No.  |
| Sovi Lot # (ii applicable)   | Economic international interna |
|  |  |
| 1/1/2   Section   Township   Range   E   N   W   | W16623 Coverty Rel M   |
| Weli Location ft /M (Local Grid ) Datum  | City, Village or Town  |
|  | Pershing lowership - laylor C  |
| N/S E/W Zone   | Present Well Owner Original Well Owner   |
| WTM- UTM- Latitude/Longitude- State Plane- S C N   |  |
|  | Street Address or Route of Present Owner   |
| Local Grid Origin ft. / M Datum  |  |
| N,E/W  | City State ZIP Code  |
| Zone   | (9 Juan WE 54433   |
| WTM- UTM- Latitude/Longitude- State Plane- S C N   |  |
| Reason For Abandonment   WI Unique Well No. of Replacement Well  | 4. Pump, Liner, Screen, Casing & Sealing Material  |
|  | Pump and piping removed?   |
| 3. Well / Drillhole / Borehole Information   | Liner(s) removed?  |
| Driginal Construction Date   | Screen removed?  |
| Monltoring Well Z-18-16  |  |
| Water Well   | Casing left in place?  |
| if a Well Construction Report is available,  | Was casing cut off below surface?  |
|  | Did sealing mater all rise to surface?   |
| Construction Type:   | Did material settle after 24 hours?  |
| Drilled Driven (Sandpoint) Dug   | If yes, was hole retopped?   |
| Uother (specify): 6 EON NO be  | If bentonite chips were used, were they hydrated with water from a known safe source?  |
| •  |  |
| Forma ion Type:  | Required Method of Placing Sealing Material  |
|  | LOSS dust an Diss. Compatible Loss dust at Diss. Dust a Dust and   |
| ✓ Unconsolidated Formation   | Conductor Pipe-Gravity Conductor Pipe-Pumped   |
| Unconsolidated Formation Bedrock  Total Well Depth From Groundsurface (fi.) Casing Diameter (in.)  | Screened & Poured Other (Explain)  |
| otal Well Depth From Groundsurface (ft.) Casing Diameter (in.)   | Screened & Poured (Bentonite Chips)  Other (Explain):  |
| otal Well Depth From Groundsurface (ft.) Casing Diameter (in.)   | Screened & Poured (Bentonite Chips)  Sealing Materials   |
| otal Well Depth From Groundsurface (ft.) Casing Diameter (in.)   | Screened & Poured (Bentonite Chips)  Gealing Materials  Neat Cement Grout  Clay-Sand Slurry (11 lb./gal. wt.)  |
| otal Well Depth From Groundsurface (ft.) Casing Diameter (in.)   | Screened & Poured (Bentonite Chips)  Gealing Materials  Neat Cement Grout  Sand-Cement (Concrete) Grout  Description:  Clay-Sand Slurry (11 ib./gal. wt.)  Bentonite-Sand Slurry  Bentonite-Sand Slurry  |
| otal Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  ower Drillhole Diameter (in.)  Casing Depth (ft.)  Vas well annular s ace grouted?  Yes No Unknown  | Screened & Poured (Bentonite Chips)  Gealing Materials  Neat Cement Grout  Sand-Cement (Concrete) Grout  Concrete  Dentonite Chips  Other (Explain):  Clay-Sand Slurry (11 ib./gal. wt.)  Bentonite-Sand Slurry  Bentonite Chips   |
| Total Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  Ower Drillhole Diameter (in.)  Casing Depth (ft.)  Vas well annular s ace grouted?  Yes No Unknown   | Screened & Poured (Bentonite Chips)  Sealing Materials  Neat Cement Grout Sand-Cement (Concrete) Grout Sealing Materials  Clay-Sand Slurry (11 ib./gal. wt.)  Bentonite-Sand Slurry  Bentonite Chips  For Monitoring Wells and Monitoring Well Boreholes Only:   |
| otal Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  ower Drillhole Diameter (in.)  Casing Depth (ft.)  Vas well annular s ace grouted?  Yes No Unknown  | Screened & Poured (Bentonite Chips)  Gealing Materials  Neat Cement Grout  Sand-Cement (Concrete) Grout  Concrete  Gentonite Chips  For Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite - Cement Grout  Bentonite - Cement Grout   |
| Total Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  Ower Drillhole Diameter (in.)  Casing Depth (ft.)  Vas well annular s ace grouted?  Yes No Unknown   | Screened & Poured (Bentonite Chips)  Sealing Materials  Neat Cement Grout Sand-Cement (Concrete) Grout Sealing Materials  Clay-Sand Slurry (11 ib./gal. wt.) Bentonite-Sand Slurry " Bentonite Chips For Monitoring Wells and Monitoring Well Boreholes Only: Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry  |
| Total Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  Ower Drilihole Diameter (in.)  Casing Depth (ft.)  Vas well annular s ace grouted?  Yes No Unknown  Yes, to what depth (feet)?  Depth to Water (feet)  | Screened & Poured (Bentonite Chips)  Sealing Materials  Neat Cement Grout Sand-Cement (Concrete) Grout Sealing Materials  Clay-Sand Slurry (11 ib./gal. wt.)  Bentonite-Sand Slurry  Bentonite Chips  Granular Bentonite  Bentonite - Cement Grout  Granular Bentonite  Bentonite - Sand Slurry  Mix Ratio or  |
| Total Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  Casing Depth (ft.)  Vas well annular s ace grouted?  Yes No Unknown  Yes, to what depth (feet)?  Depth to Water (feet)  Material Used To Fill Well / Drillhole   | Screened & Poured (Bentonite Chips)  Sealing Materials  Neat Cement Grout Sand-Cement (Concrete) Grout Sealing Method (Bentonite Chips)  Concrete Sor Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips Bentonite Chips Bentonite - Cement Grout Granular Bentonite  Bentonite - Sand Slurry  From (ft.)  To (ft.)  No. Yards, Sacks Sealant Mix Ratio or Mud Weight   |
| Total Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  Ower Drilihole Diameter (in.)  Casing Depth (ft.)  Vas well annular s ace grouted?  Yes No Unknown  Yes, to what depth (feet)?  Depth to Water (feet)  | Screened & Poured (Bentonite Chips)  Sealing Materials  Neat Cement Grout Sand-Cement (Concrete) Grout Sealing Materials  Clay-Sand Slurry (11 ib./gal. wt.)  Bentonite-Sand Slurry  Bentonite Chips  Granular Bentonite  Bentonite - Cement Grout  Granular Bentonite  Bentonite - Sand Slurry  Mix Ratio or  |
| Total Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  Casing Depth (ft.)  Vas well annular s ace grouted?  Yes No Unknown  Yes, to what depth (feet)?  Depth to Water (feet)  Material Used To Fill Well / Drillhole   | Screened & Poured (Bentonite Chips)  Sealing Materials  Neat Cement Grout Sand-Cement (Concrete) Grout Sealing Method (Bentonite Chips)  Concrete Sor Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips Bentonite Chips Bentonite - Cement Grout Granular Bentonite  Bentonite - Sand Slurry  From (ft.)  To (ft.)  No. Yards, Sacks Sealant Mix Ratio or Mud Weight   |
| Total Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  Casing Depth (ft.)  Vas well annular s ace grouted?  Yes No Unknown  Yes, to what depth (feet)?  Depth to Water (feet)  Material Used To Fill Well / Drillhole  Granular Seuton Te   | Screened & Poured (Bentonite Chips)  Sealing Materials  Neat Cement Grout Sand-Cement (Concrete) Grout Sealing Method (Bentonite Chips)  Concrete Sor Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips Bentonite Chips Bentonite - Cement Grout Granular Bentonite  Bentonite - Sand Slurry  From (ft.)  To (ft.)  No. Yards, Sacks Sealant Mix Ratio or Mud Weight   |
| Total Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  Casing Depth (ft.)  Vas well annular s ace grouted?  Yes No Unknown  Yes, to what depth (feet)?  Depth to Water (feet)  Material Used To Fill Well / Drillhole   | Screened & Poured (Bentonite Chips)  Sealing Materials  Neat Cement Grout Sand-Cement (Concrete) Grout Sealing Method (Bentonite Chips)  Concrete Sor Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips Bentonite Chips Bentonite - Cement Grout Granular Bentonite  Bentonite - Sand Slurry  From (ft.)  To (ft.)  No. Yards, Sacks Sealant Mix Ratio or Mud Weight   |
| Total Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  Casing Depth (ft.)  Vas well annular s ace grouted?  Yes No Unknown  Yes, to what depth (feet)?  Depth to Water (feet)  Material Used To Fill Well / Drillhole  Granular Seuton Te   | Screened & Poured (Bentonite Chips)  Sealing Materials  Neat Cement Grout Sand-Cement (Concrete) Grout Sealing Method (Bentonite Chips)  Concrete Sor Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips Bentonite Chips Bentonite - Cement Grout Granular Bentonite  Bentonite - Sand Slurry  From (ft.)  To (ft.)  No. Yards, Sacks Sealant Mix Ratio or Mud Weight   |
| Total Well Depth From Groundsurface (ft.) Casing Diameter (in.)  ower Drillhole Diameter (in.) Casing Depth (ft.)  Vas well annular s ace grouted? Yes No Unknown  yes, to what depth (feet)? Depth to Water (feet)  Material Used To Fill Well / Drillhole  Granular Rendon Te  Comments  | Screened & Poured (Bentonite Chips)  Sealing Materials  Neat Cement Grout Sand-Cement (Concrete) Grout Sealing Materials |
| Total Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  Casing Depth (ft.)  Vas well annular s ace grouted?  Yes No Unknown  Yes, to what depth (feet)?  Depth to Water (feet)  Material Used To Fill Well / Drillhole  Granular Seuton Se   | Screened & Poured (Bentonite Chips)  Sealing Materials  Neat Cement Grout Sand-Cement (Concrete) Grout Sealing Method (Bentonite Chips)  Concrete Sor Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips Bentonite Chips Bentonite - Cement Grout Granular Bentonite  Bentonite - Sand Slurry  From (ft.)  To (ft.)  No. Yards, Sacks Sealant Mix Ratio or Mud Weight   |
| Total Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  Ower Drillhole Diameter (in.)  Vas well annular s ace grouted?  Yes No Unknown  Yes, to what depth (feet)?  Depth to Water (feet)  Material Used To Fill Well / Drillhole  Granular Rentance  Comments  Supervision of Work  ame of Person or Firm Doing Sealing Work  Date of Abance  | Screened & Poured (Bentonite Chips)  Sealing Materials  Neat Cement Grout Sand-Cement (Concrete) Grout Sealing Monitoring Well Bentonite Sand Slurry (11 ib./gal. wt.)  Concrete Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Monitoring Well Bentonite - Cement Grout Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Materials Sealing Monitoring Well Bentonite - Cement Grout Sealing Materials Sealing |
| Total Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  Casing Depth (ft.)  Vas well annular s ace grouted?  Yes No Unknown  Yes, to what depth (feet)?  Depth to Water (feet)  Material Used To Fill Well / Drillhole  Granular Seuton Se   | Screened & Poured (Bentonite Chips)  Sealing Materials  Neat Cement Grout Sand-Cement (Concrete) Grout Sealing Monitoring Well Bentonite Sand Slurry " "  Concrete Sealing Monitoring Well Bentonite Chips Sealing Monitoring Well Bentonite Chips Sealing Monitoring Well Bentonite Chips Sealing Monitoring Well Bentonite Sand Slurry  Bentonite Chips Sealing Monitoring Well Bentonite Cement Grout Sealing Monitoring Well Bentonite Cement Grout Sealing Monitoring Well Bentonite Cement Grout Sealing Monitoring Well Bentonite Cement Grout Sealing Monitoring Well Bentonite Cement Grout Sealing Monitoring Well Bentonite Cement Grout Sealing Monitoring Well Bentonite Cement Grout Sealing Monitoring Well Bentonite Cement Grout Sealing Monitoring Well Bentonite Cement Grout Sealing Monitoring Well Bentonite Chips Sealing Monitoring Well Bentonite Chi |
| Total Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  Ower Drillhole Diameter (in.)  Vas well annular s ace grouted?  Yes No Unknown  Yes, to what depth (feet)?  Depth to Water (feet)  Material Used To Fill Well / Drillhole  Comments  Supervision of Work  ame of Person or Firm Doing Sealing Work  Markan Fine CS 149  Date of Abanc  | Screened & Poured (Bentonite Chips)  Sealing Materials  Neat Cement Grout  Sand-Cement (Concrete) Grout  Bentonite-Sand Slurry (11 ib./gal. wt.)  Concrete  Bentonite Chips  For Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite - Cement Grout  Bentonite - Sand Slurry  From (ft.)  To (ft.)  No. Yards, Sacks Sealant  Mix Ratio or  Gr Volume (circle one)  Mud Weight  DNR Use Only  Onment  Date Received  Noted By  |
| Total Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  Ower Drillhole Diameter (in.)  Vas well annular s ace grouted?  Yes No Unknown  Yes, to what depth (feet)?  Depth to Water (feet)  Material Used To Fill Well / Drillhole  Granular Senton Te  Comments  Supervision of Work  ame of Person or Firm Doing Sealing Work  Marian Enc. Cs 149  Telephone Nu   | Screened & Poured (Bentonite Chips)  |
| Total Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  Ower Drillhole Diameter (in.)  Vas well annular s ace grouted?  Yes No Unknown  Yes, to what depth (feet)?  Depth to Water (feet)  Material Used To Fill Well / Drillhole  Granular Renton Te  Comments  Supervision of Work  The ame of Person or Firm Doing Sealing Work  Maridian Fino. Cs 149  Telephone Nuclear Release | Screened & Poured (Bentonite Chips)  Sealing Materials  Neat Cement Grout  Sand-Cement (Concrete) Grout  Sand-Cement (Concrete) Grout  Bentonite Chips  For Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips  Bentonite - Cement Grout  Bentonite - Sand Slurry  From (ft.)  To (ft.)  No. Yards, Sacks Sealant  Mix Ratio or  or Volume (circle one)  Mud Weight  Dafe Received  Noted By  DNR Use Only  Comment  Comments  Comments   |
| Total Well Depth From Groundsurface (ft.)  Casing Diameter (in.)  Ower Drillhole Diameter (in.)  Vas well annular s ace grouted?  Yes No Unknown  Yes, to what depth (feet)?  Depth to Water (feet)  Material Used To Fill Well / Drillhole  Granular Senton Te  Comments  Supervision of Work  The provision of Firm Doing Sealing Work  Maridian Fine College Telephone Nu  (75) %   | Screened & Poured (Bentonite Chips)  |



State of Wisconsin Department of Natural Resources PO Box 7921, Madison WI 53707-7921 dnr.wi.gov

## Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

Page 1 of 2

| Route to:  Drinking Water  Watershed/Wastewater  Waste Management  | Remediation/Redevelopment Other:   |
|--|--|
| 1. General Information   | 2. Facility/Owner information  |
| WI Unique Well No. DNR Well ID No. County  | Facility Name  |
| VII Official Verified. Divit verified No. Country  | Former Douald Store  |
| Common Well Name GO Gov't Lot # (if applicable)  | Facility ID License/Permit/Monitoring No.  |
| Solimon ven Hame GV S  | Builty 15  |
| 1/1/4 1/4 Section To nship Range ☐ F   | Street Address of Well   |
|  | W16623 Coverty Rel M   |
| Well Location Tr. / M (Local Grid ) Datum  | City, Village or Town  |
| · · · · · · · · · · · · · · · · · · ·  | Pershing Township - Taylor   |
| N/SE/W   | Present Well Owner Original Well Owner   |
| Zone WTM UTM Latitude/Longitude State Plane S C N  |  |
| Local Grid Origin Rt. / M Datum  | Street Address or Route of Present Owner   |
|  | <u> </u>   |
| N,E]/WZone   | City C State ZIP Code  |
| WTM- UTM- Latitude/Longitude- State Plane- S C N   | 6 7 man W= 54433   |
| Reason For Abandonment WI Unique Well No. of Replacement Well  | 4. Pump, Liner, Screen, Casing & Sealing Material  |
| Reason / or Abandoninent   | Pump and piping removed?   |
| 3. Well / Drillhole / Borehole Information   | Liner(s) removed?  |
| Original Construction Date   | Screen removed?  |
| Monitoring Well Z-18-16  | Casing left in place?  |
| Water Well  If a Well Construction Report is available,  |  |
| Borehole / Drillhole please attach.  |  |
| Construction Type:   | Did sealing material rise to surface?  |
| Drilled Driven (Sandpoint) Dug   | Did material settle after 24 hours?  If yes, was hole retopped?  Yes No Link  No Lin |
| Pother (specify): Geoprobe   | If hentonite chins were used were they hydrated  |
| - <u></u>  | with water from a known safe source? LYes LNo L'N/   |
|  | Required Method of Placing Sealing Material  |
| ✓ Unconsolidated Formation Bedrock   | Conductor Pipe-Gravity Conductor Pipe-Pumped  Screened & Poured  Output / Translation  |
| Total Well Depth From Groundsurface (ft.) Casing Diameter (in.)  | (Bentonite Chips)  |
|  | ealing Materials   |
| Lower Drillhole Diameter (in.) Casing Depth (ft.)  | ☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt   |
|  | Sand-Cement (Concrete) Grout  Bentonite-Sand Slurry * *  |
| Was well annular space grouted?  | ☐ Concrete ☐ Bentonite Chips or Monitoring Wells and Monitoring Well Boreholes Only;   |
| If yes, to what depth (feet)? Depth to Water (feet)  | Bentonite Chips Bentonite - Cement Grout   |
|  | Granular Bentonite Bentonite - Sand Slurry   |
|  | From (11) To (11) No. Yards, Sacks Sealant Mix Ratio or  |
| 4  | All xolant (all all all all all all all all all al   |
| Granular Bentonite   | Surface 12   |
|  |  |
| \$2000_perpendentalistic (\$2000.600 \cdot |  |
| 6. Comments  |  |
|  |  |
| 7. Supervision of Work   | DNR Use Only   |
| Name of Person or Firm Doing Sealing Work Date of Aband  |  |
| Meridian Env. Cs 179 Z-18.   | -/b  |
| Street or Route Telephone Nur  | nber Comments  |
| 271 N. BICO LD (75) 83   |  |
| City State ZIP Code Si   | anature of Person Doing Work Date Signed   |
| fall Creek WI 51742  | 7-120-16   |

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### Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

Page 1 of 2

| Route to:  Drinking Water  Watershed/Wastewater  Waste Management | Remediation/Redevelopment Other:   |
|---|--|
| 1. General Information  | 2. Facility/Owner information  |
|   |  |
| WI Unique Well No. DNR Well ID No. County                         | Former Double Store  |
| Common Well Name 6 P - 4 Gov't Lot # (if applicable)              | Facility ID License/Permit/Monitoring No.  |
| 7/11/4 1/4 Section Township Range ☐ E N ☐ W                       | Street Address of Well W166 23 Coverety Rel M  |
| Well Location   ft. / M (Local Grid ) Datum                       | City, Village or Town  |
|   | Pershing lownship - laylor C   |
| N/S E/W   | Present Well Owner Original Well Owner   |
| WTM- UTM- Latitude/Longitude- State Plane- S C N                  | Street Address or Route of Present Owner   |
| Local Grid Origin Rt. / M Datum                                   |  |
| N,E]/W  | City Goden State ZIP Code W- 54437   |
| WTM- UTM- Latitude/Longitude- State Plane- S C N                  |  |
| Reason For Abandonment WI Unique Well No. of Replacement Well     | 4. Pump, Liner, Screen, Casing & Sealing Material  |
|   | Pump and plping removed?   |
| 3. Well / Drillhole / Borehole Information                        | Liner(s) removed?  |
| Original Construction Date  | Screen removed?  |
| Monitoring Well Z-18-16   | Casing left in place?  |
| Water Well If a Well Construction Report is available,            | Was casing cut off below surface?  |
| Borehole / Drillhole please attach.                               | Did sealing mater al rise to surface?  |
| Construction Type:  | Did material settle after 24 hours?  |
| Drilled Driven (Sandpoint) Dug                                    |  |
| Wother (specify): Geoprobe  | If bentonite chips were used, were they hydrated   |
|   | with water from a known safe source? LYes No L'N/A Required Method of Placing Sealing Material |
|   | Conductor Pipe-Gravity Conductor Pipe-Pumped   |
| Unconsolidated Formation Bedrock                                  | Servenad & Boured  |
| Total Well Depth From Groundsurface (ft.) Casing Diameter (in.)   | (Bentonite Chips) Other (Explain):   |
| Lower Drillhole Diameter (in.) Casing Depth (ft.)                 | Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)   |
|   | Sand-Cement (Concrete) Grout Bentonite-Sand Slurry * *   |
|   | Concrete Bentonite Chips   |
| Was well annular space grouted?                                   | or Monitoring Wells and Monitoring Well Boreholes Only:  |
| If yes, to what depth (feet)? Depth to Water (feet)               | Bentonite Chips Bentonite - Cement Grout   |
|   | Granular Bentonite Bentonite - Sand Slurry   |
|   | From (ft.) To (ft.) No. Yards, Sacks Sealant Mix Ratio or or Volume (circle one) Mud Weight    |
| Granular Bentonite  | Surface 12   |
|   |  |
|   |  |
| 6. Comments   |  |
|   | •  |
| 7. Supervision of Work  | DNR Use Only   |
| Name of Person or Firm Doing Sealing Work  Date of Abando         | onment Date Received Noted By  |
| M4 idien Env. Cs 14 2-18-   | -16  |
| Street or Route Telephone Nur                                     |  |
| 2711 N. P. CO Ld (75) 83  | 12-6608  |
|   | gnature of Person Doing Work Date Signed   |
| tall theek WI SV742   | 3-20-16  |

66-2

State of Wisconsin Department of Natural Resources PO Box 7921, Madison WI 53707-7921 dnr.wi.gov

## Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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| Route to:  Drinking Water Watershed/Westewater Waste Management          | Remediation/Redevelopment Other  |
|--|--|
|  |  |
|  | 2. Facility / Owner Information  |
| WI Unique Well No. DNR Well ID No. County                                | Former Double Store  |
| Common Well Name Gov't Lot # (if applicable)                             | Facility ID License/Permit/Monitoring No.  |
| G P-5  |  |
| 1/2 1/2 Section Township Range E   | Street Address of Well W166 23 Coveredy Rel M  |
| Well Location ft / M (Local Grid ) Datum                                 | City, Village or Town  |
| N/S E/W  | Present Well Owner Original Well Owner   |
| Zone WTM- UTM- Latitude/Longitude- State Plane- S C N                    | original vveil owner   |
|  | Street Address or Route of Present Owner   |
|  | <u> </u>   |
| Zone   | State ZIP Code W= 54437  |
| WTM- UTM- Latitude/Longitude- State Plane- S C N                         | 4. Pump, Liner, Screen, Casing & Sealing Material  |
| Reason For Abandonment   MI Unique Well No. of Replacement Well          |  |
|  |  |
| 3. Well / Drillhole / Borehole Information                               | Liner(s) removed?  |
| Monitoring Well  Original Construction Date  Z - 18-16                   | Screen removed?  |
| Mater Mell   | Casing left in place?  |
| If a Well Construction Report is available, please attach.               | Was casing cut off below surface?  |
| Construction Type:   | Did sealing material rise to surface?  |
|  | Did material settle after 24 hours?  |
| Drilled Driven (Sandpoint) Dug   | If yes, was hole retopped?   |
| Other (speci y): Geon robe   | If bentonite chips were used, were they hydrated with water from a known safe source?  No NA |
| Formation Type:  | tequired Method of Placing Sealing Material  |
| ₩ Unconsolidated Formation Bedrock                                       | Conductor Pipe-Gravity Conductor Pipe-Pumped   |
| Total Well Depth From Groundsur ace (ft.) Casing Diameter (in.)          | Screened & Poured (Bentonite Chips) Other (Explain):   |
|  | ealing Materials   |
| Lower Drillhole Diameter (in.) Casing Depth (fL)                         | Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)   |
|  | Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "                                       |
| Was well annular space grouted?  | Concrete Bentonite Chips   |
| If yes, to what depth (feet)? Depth to Water (feet)                      | or Monitoring Wells and Monitoring Well Boreholes Only:                                      |
|  | ☐ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry  |
|  | From (ft.) To (ft.) No. Yards, Sacks Sealant Mix Ratio or or Volume (circle one) Mud Weight  |
| Granuer Bentonite  | Surface 12   |
|  |  |
|  |  |
| 6. Comments  |  |
|  |  |
| 7. Supervision of Work   | DNR:Use Only   |
| Name of Person or Firm Doing Sealing Work Date of Abando                 | onment Date Received Noted By  |
| M4 idian Env. Cs/4 2-18-   | -16  |
| S reef or Route Telephone Nun  | nber Comments  |
| 271 N. ELCO LA (75) 83   | 2-6608   |
| 2711 N. P.I.CO L.D. (75) 83<br>Creek State ZP Code Sign 54742 Sign 54742 | gnature of Person Doing Work Date Signed   |
| 14XX - 101   51/172  | 11/1/  |



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### Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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| Route to: Drinking Water Watershed/Wastewater Waste Management                                    | Remediation/Redevelopment Other:   |                              |  |  |  |  |
|---|--|------------------------------|--|--|--|--|
| 1. General Information  | 2. Facility / Owner Information  |                              |  |  |  |  |
| WI Unique Well No. DNR Well ID No. County   | Facility Name Former Devald  | Store                        |  |  |  |  |
| Common Well Name 6 P-6 Gov't Lot # (if applicable)  | Facility ID License/Permit/Mi  | onitoring No.                |  |  |  |  |
| %/%   | Street Address of Well W166 23 Covery  | RIM                          |  |  |  |  |
| Well Location It / M (Local Grid ) Datum  | City, V llage or Town  Pershing Townsh.  | p-Taylorc                    |  |  |  |  |
| N/S E/W Zone WTM- UTM- Latitude/Longitude State Plane S C N                                       | Present Well Owner Original Wel  | Owner '                      |  |  |  |  |
| Local Grid Origin Rt. / M Datum   | Street Address or Route of Present Owner   |                              |  |  |  |  |
| N, E / W Zone WTM- UTM- Latitude/Longitude- State Plane- S C N                                    | City G. Aman Wy  |                              |  |  |  |  |
| Reason For Abandonment   WI Unique Well No. of Replacement Well                                   | 4. Pump, Liner, Screen, Casing & Sealing M   | aterial                      |  |  |  |  |
|   | Pump and piping removed?   | Yes No WN/A                  |  |  |  |  |
| 3. Well / Drillhole / Borehole Information  | Liner(s) removed?  | Yes No NA                    |  |  |  |  |
| Original Construction Date  | Screen removed?  | ∐Yes ∐No ∏N/A                |  |  |  |  |
| Monitoring Well Z-18-16   | Casing left in place? Yes No N/A   |                              |  |  |  |  |
| If a Well Construction Re ort is available, please attach.  | Was casing cut off below surface?  |                              |  |  |  |  |
| Construction Type:  | Did sealing material rise to surface?  |                              |  |  |  |  |
| ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug  | Did material settle after 24 hours?  |                              |  |  |  |  |
| Pother (specify): Geogrape  | If yes, was hole retopped?  If bentonite chips were used, were they hydrated   |                              |  |  |  |  |
|   | with water from a known safe source?   | Yes No NA                    |  |  |  |  |
|   | Required Method of Placing Sealing Material  Conductor Pipe-Gravity  Conductor Pipe-Pu   | med                          |  |  |  |  |
| Unconsolidated Formation Bedrock  [Otal Well Depth From Groundsurface (ft.) Casing Diameter (in.) | Sc eened & Poured Other (Evplain):   |                              |  |  |  |  |
|   | (Bentonite Chips)  Sealing Materials   |                              |  |  |  |  |
| ower Drillhole Diameter (in.) : Casing D pth (ft.)  | Neat Cement Grout Clay-S   | and Slurry (11 lb./gal. wt.) |  |  |  |  |
| Vas well annular space grouted? Yes No Unknown  |  | ite Chips                    |  |  |  |  |
| yes, to hat de th (feet)? Depth to Water (feet)   | Bentonite Chips Bentonite - Ce Granular Bentonite Bentonite - Sa   |                              |  |  |  |  |
| Material Used To Fill Well / Drillhole  | From (ft.) To (ft.) No. Yards, Sacks Sealar or Volume (circle one)   |                              |  |  |  |  |
| Granular Benton. Te   | Surface 16   |                              |  |  |  |  |
|   |  |                              |  |  |  |  |
| . Comments  |  | _1                           |  |  |  |  |
|   |  |                              |  |  |  |  |
| Supervision of Work   | DNR Use O  | nly                          |  |  |  |  |
| ame of Person or Fir Doing Sealing Work Date of Abanc   | Feeddiness ( forestor towns or a control of the fill o |                              |  |  |  |  |
| M4 idian Env. Cs 14 Z-18 reet or Route Telephone Nu   |  |                              |  |  |  |  |
| 2711 N. P. CO LD (75) 87  | 32-6608  |                              |  |  |  |  |
| Fall Creek State ZIP Code S<br>WI 54742   | ignature of Person Doing Work  | 3-ZD-/6                      |  |  |  |  |

# APPENDIX D PRIVATE WELL LOGS

| Down   Furth DAMMEN   Number   T15 - S68 - D48   New Number   T15 - S68 - D48   New Number   T15 - S68 - D48   Number   T15 - D48   Number   T15 - D48   Number   T15 - D48   Number   T15 - D48   Number   T15 - D48   Number   T15 - D48   Number   T15 - D48   Number   Number   Number   T15 - D48   Number   N    | -                  | Sou                    | rce: W  | <i>UNIQUE WELL NUI</i><br>'ELL CONSTRUC   |  |                        | FN4                                 |  | State of Wi-Private Water Syst Department Of Natural Resour Madison, WI 53707  | rces, Box 7921  | •              | 2/02)bw     |
|---|--------------------|------------------------|---|---|--|------------------------|-------------------------------------|--|--|---|----------------|-------------|
| Fired   Address   Fired   Fi    |                    |                        | RUTH DIAI   | VIUND   |  | Tele<br>Nor            | <sup>aphone</sup> 715∙              | <b>-</b> 668 <b>-</b> 5459   |  | <u> </u>  |                | FT          |
| College Channel College Colleg  | M                  | ailįng                 | W16653 C7   | ГН М  |  | 1144                   | noci .                              |  | T of PERSHING  |   | Fire#          |             |
| Well Constructor  Well Constructor  NO  Well Constructor  NO  Well Constructor  Packer  Proble Well Plan Approval  Proble Well Plan Approval  Proble Well Plan Approval  Section 17 7 32 N R 4 W  Well Start Replacement with # Common Well # Specific Capacity  Well Start Replacement well # Common Well # Specific Capacity  Well Start Replacement well # Common Well # Specific Capacity  Well Start Replacement well # Common Well # Specific Capacity  Well Start Replacement well # Common Well # Common Well # Specific Capacity  Well Start Replacement well # Common We  | C                  | ity:<br>Gl             | ILMAN   |   | State V  | VI Ziņ                 | o Code                              | 54433  |  | and Number  |                |             |
| RONALD A KOMAREK SR  ### Address WA748 SAARI RD  City WESTBORO WI 54480 Bigs Permanent Well # Common Well # Specific Capacity ggm/ff    New   2   | C                  |                        |   | 140   | ell Permit No  | W                      |                                     |  | Subdivision Name   | Lat#  | Block          | #           |
| ROMACID A KOMARCEK SR  MATAGES SAART RD  Suite Zip Code Will S4490  WESTBORGO Will S4490  Suite Zip Code Will S4490  Specific Capacity grow/II  Swell Synes # of homes and or P (eg barn, instantant, church, school, industry, etc.) P (eg barn, instantant, church, school, industry, etc.)  Swell Synes # of homes and or P (eg barn, instantant, church, school, industry, etc.)  I High Capacity Well N  To Sin three Will-ord public or P (eg barn, instantant, church, school, industry, etc.)  I i Exhibit Capacity Well N  1 I Exhibit Capacity Well N  1 I Exhibit Capacity Well N  1 I Exhibit Capacity Well N  1 I Exhibit Capacity Well N  1 I Exhibit Capacity Well N  1 I Exhibit Capacity Well N  1 I Exhibit Capacity Well N  1 I Exhibit Capacity Well N  1 I Exhibit Capacity Well N  1 I Exhibit Capacity Well N  1 I Exhibit Capacity N  1 I Exhibit Capa  | W                  | ell Co                 | estructor   |   | License#   | Facility               | ID (Public)                         |  | Gov't Lot or   | NE 1/4 of   | f SW           | 1/4 of      |
| Well Serves   Forman   Section   S    | _                  |                        | _D A KOMAF  | REK SR  | 610  | Public V               | Well Plan App                       | roval#   | Section 17 T 32 N  | N R 4 V   | N              |             |
| WESTBORO   WI   \$4490   Specific Capacity   Common Well #   Constructed in 0   LA678   Specific Capacity   Common Well #   Constructed in 0   LA678   Specific Capacity   Common Well #   Constructed in 0   LA678   Specific Capacity   Common Well #   Constructed in 0   LA678   Specific Capacity   Common Well #   Constructed in 0   LA678   Specific Capacity   Common Well #   Constructed in 0   LA678   Specific Capacity   Common Well #   Constructed in 0   LA678   Common Well will construct with construction with   |                    |                        | SAARI RD  |   |  |                        |                                     |  |  | . •   | <u> </u>       | •           |
| Specific Capacity   Spec    |                    |                        | ORO   |   | - 1  | Date Of                | Approval                            | i  | j  |   |                |             |
| 3. Well Serves # of homes and or  (eg barn, restaurant, church, school, industry, etc.)  Met Mains O-OTM Mobioach P-trows 2-tonic Xoborbs Avalase L-Lusp Re-Calladar  Met Mains O-OTM Mobioach P-trows 2-tonic Xoborbs Avalase L-Lusp Re-Calladar  Met Mains O-OTM Mobioach P-trows 2-tonic Xoborbs Avalase L-Lusp Re-Calladar  Met Mains O-OTM Mobioach P-trows 2-tonic Xoborbs Avalase L-Lusp Re-Calladar  Met Mains O-OTM Mobioach P-trows 2-tonic Xoborbs Avalase L-Lusp Re-Calladar  Met Mains O-OTM Mobioach P-trows 2-tonic Xoborbs Avalase L-Lusp Re-Calladar  Met Mains O-OTM Mobioach P-trows 2-tonic Xoborbs Avalase L-Lusp Re-Calladar  Met Mains O-OTM Mobioach P-trows 2-tonic Xoborbs Avalase L-Lusp Re-Calladar  Met Mains O-OTM Mobioach P-trows 2-tonic Xoborbs Avalase L-Lusp Re-Calladar  Met Met Mains O-OTM Mobioach P-trows 2-tonic Xoborbs Avalase L-Lusp Re-Calladar  Met Met Mains O-OTM Mobioach P-trows 2-tonic Xoborbs Rever  10. Privy  11. Foundation Drain to Clearwater  12. Band Grater  13. Building Derion  14. Building Sewer I-Gravity 2-Pressure  15. Collector Sewer: units in . dism.  16. Clearwater Sump  16. Clearwater Sump  17. Vestewarder Sump  18. Preved Animal Bana Pen  19. Animal Yard of Shelter  19. Animal Yard of Shelter  19. Animal Yard of Shelter  10. Animal Yard of Shelter  11. Foundation Drain to Clearwater  12. Building Derion  13. Building Derion  14. Building Sewer I-Gravity 2-Pressure  15. Collector Sewer: units in . dism.  16. Clearwater Sump  16. Clearwater Sump  17. Carlottor Per Persic 2-Other  18. Preved Animal Bana Pen  18. Preved Animal Bana Pen  19. Animal Yard of Shelter  19. Animal Yard of Shelter  19. Animal Yard of Shelter  19. Animal Yard of Shelter  19. Animal Yard of Shelter  19. Animal Yard of Shelter  10. Clearwater Sump  11. Foundation Durion to Clearwater  11. Foundation Durion to Persic 2-Other  12. Building Sewer I-Gravity 2-Pressure  13. Building Sewer I-Gravity 2-Pressure  14. Building Sewer I-Gravity 2  | Hi                 |                        |   |   |  |                        |                                     |  | 1  |   | . —            |             |
| 9. Well perfect of the property of the propert  |                    | •                      |   |   |  |                        |                                     |  |  |   |                |             |
| Signature of the control of the cont  | 3. W               |                        |   |   | ı, school, indi  | ustry, etc.            |                                     |  | _  |   |                |             |
| Section   Sect    | M-M                | umic O≔                | OTM N=NonCon  | n P=Private Z=Other X=NonPot A=   | =Anode L=Loop  | H=Drīlbole             | Property                            | ? N  | 1 1=Drilled 2=Driven Point 3=  | =Jetted 4=Other   |                |             |
| 1. Landfill 25 2. Building Overhang 11. Foundation Drain to Clearwater 12. Foundation Drain to Clearwater 13. Building Drain 14. Swage Absorption Unit 15. Nonconforming Pit 16. Buried Home Rearing Oil Tank 138 7. Buried Peroleum Tank 138 7. Buried Peroleum Tank 138 7. Buried Peroleum Tank 15. Collector Sewer: units in . diam. 15. Collector Sewer: units in . diam. 16. Clearwater Sump 17. Clearwater Sump 18. Pewer Annual Bran Pem 19. Animal Yard of Shelter 20. Silo 21. Ban Gruter 22. Silo 22. Banue Pipe I = Gravity 2=Pressure 18. Perosure 19. Animal Yard of Shelter 22. Silo 22. Banue Pipe I = Gravity 2=Pressure 19. Calmater Sump 21. Ben Gruter 22. Silo 22. Banue Pipe I = Gravity 2=Pressure 19. Animal Yard of Shelter 22. Silo 22. Banue Pipe I = Gravity 2=Pressure 19. Animal Yard of Shelter 22. Silo 22. Banue Pipe I = Gravity 2=Pressure 19. Animal Yard of Shelter 22. Silo 22. Banue Pipe I = Gravity 2=Pressure 19. Animal Yard of Shelter 22. Silo 22. Banue Pipe I = Gravity 2=Pressure 19. Animal Yard of Shelter 22. Silo 22. Banue Pipe I = Gravity 2=Pressure 19. Animal Yard of Shelter 22. Silo 22. Banue Pipe I = Gravity 2=Pressure 19. Animal Yard of Shelter 22. Silo 22. Banue Pipe I = Gravity 2=Pressure 23. Other manue Storage 24. Diach 25. Other Manue Storage 24. Diach 25. Other Manue Storage 26. Other Jack Blood Officer 27. Ready Animal Bran Pem 27. Ready Animal Bran Pem 28. Silo 28. Silo 29. Silo 21. Ban Gruter 29. Silo 21. Ban Gruter 21. Ban Gruter 21. Ban Gruter 22. Silo 21. Ban Gruter 22. Silo 22. Silo 23. Cher manue Storage 24. Diach 25. Other Manue Storage 24. Diach 25. Other Manue Storage 26. Other Jack Blood Officer 27. Ready Animal Bran Pem 27. Ready Animal Bran Pem 28. Silo 29. Silo 20. Silo 21. Ban Gruter 21. Ban Gruter 22. Silo 21. Ban Gruter 22. Silo 21. Ban Gruter 22. Silo 21. Ban Gruter 22. Silo 22. Diach 23. Diach 24. Diach 25. Other Manue Storage 24. Diach 25. Other Manue Storage 26. Other Jack Blood Officer 27. From To To To To To To To To To To To To To  |                    |                        | •   | -   | •  | -                      |                                     | , ,  |  | -   |                |             |
| 1. Landfill 25. 2. Building Overhang 70. 3. I=Septic 2=Holding Tank 100. 4. Sewage Absorption Unit 5. Nonconforming Pi 6. Buried Home Heating Oil Tank 1. Septic 2=Swimming Pool 6. Buried Home Heating Oil Tank 1. Septic 2=Swimming Pool 6. Buried Home Heating Oil Tank 8. I=Shoreline 2=Swimming Pool 15. Collector Sewer:unitsin. diam. 24. Diach 25. Ober RR \$12 Weste Source DUS WELL 25. Other RR \$12 Weste Source DUS WELL 25. Other RR \$12 Weste Source DUS WELL 26. Other Tom To  | Dista              | nce in                 | ted in 1100dpla<br>feet from well   | in? N<br>to nearest (including propo  | osed)  |                        | •                                   | Yard Hydrani   |  |   | •              |             |
| 22. Foundation Drain to Sewer  13. Building Drain  14. Building Drain  15. Nonconforming Pit  16. Buried Horner Heating Oil Tank  18. 7. Buried Petroleum Tank  18. 1 = Shoreline 2= Swimming Pool  16. Clearwater Sump  17. Calector Sewer: units in . diam.  18. Tocatt in on Plastic 2=Other  19. Collector Sewer: units in . diam.  19. Calector Sewer: units in . diam.  20. Silo  21. Bam Grater  22. Manure Pite 1=Gravity 2=Pressure  1=Cast rion or Plastic 2=Other  23. Other manure Storage  24. Diach  25. Other NR \$12 Waste Source  26. Dirill Brobe Dimensions and Construction Method  19. Clearwater Sump  10. Upper Enlarged Drillhole  11. Kotary - Maid Circulation  11. Kotary - Maid Circulation  12. Bam Grater  22. Manure Pite 1=Gravity 2=Pressure  1-Cast rion or Plastic 2=Other  24. Diach  25. Collector Sewer: units in . diam.  26. Ozology  8. Geology  8. Geology  8. Collector Mile III. Well IIII. Well III. Well III. Wel |                    |                        |   |   |  |                        | •                                   | Orain to Clearwa   |  |   |                |             |
| 100 4. Sewage Absorption Unit 5. Nonconforming Pit 6. Buried Home Heating Oil Tank 1138 7. Buried Petroleum Tank 8. 1=Shoreline 2= Swimming Pool 16. Clearwater Sump 15. Collector Sewer: units in diam. 15. Collector Sewer: units in diam. 15. Collector Sewer: units in diam. 16. Clearwater Sump 17. Caving/Noncoving, Color, Hardness, ctc (ft.) (ft.) 18. Clearwater Sump 19. Caving/Noncoving, Color, Hardness, ctc (ft.) (ft.) 19. Satic Water Level 14.0 feet B ground surface 14.0 get Bedrox 18. Buried Petroleum Tank 19. Caving/Noncoving, Color, Hardness, ctc (ft.) (ft.) 19. Satic Water Level 14.0 feet B ground surface 14.0 feet B ground surfa  |                    |                        | _   | ,   |  | 12.                    | Foundation D                        | Drain to Sewer   |  |   |                |             |
| 5. Nonconforming Pit 6. Burried Horne Heating Oil Tank 138 7. Burried Petroleum Tank 8. I = Shoreline 2= Swimming Pool 16. Clearwater Sump 16. Clearwater Sump 16. Clearwater Sump 17. Reproduction Tank 19. Indication of Plastic 2= Other 1. Clear true of Plastic 2. Other Manufacture Storage 19. Sever units in. diam. 25. Other NR 812 Waste Source 19. Sever Diagnosis and Construction Method 19. Imper Enlarged Drillole 19. Imper Enlarged Drillole 19. Sever Drillole Dimensions and Construction Method 19. Imper Enlarged Drillole 19. Sever Drillole Dimensions and Construction Method 19. Imper Enlarged Drillole 19. Sever Drillole Dimensions and Construction Method 19. Imper Enlarged Drillole 19. Sever Drillole Dimensions and Construction Method 19. Imper Enlarged Drillole 19. Sever Drillole Dimensions and Construction Method 19. Imper Enlarged Drillole 19. Sever Drillole Dimensions and Construction Method 19. Imper Enlarged Drillole 19. Sever Drillole 19. Se  |                    |                        |   | -   |  | 13.                    |                                     |  |  | Barn Gutter   |                |             |
| 6. Burried Home Heating Oil Tank 138 7. Burried Petroleum Tank 8. 1=Shoreline 2=Swimming Pool 16. Clearwater Sump 2525. Other NR 812 Waste Source DIG Well.  Drillhole Dimensious and Construction Method From To  (in.) (it) (it) (it) (it) (it) (it) (it) (it   |                    | 100                    | _   | -   |  | 14                     |                                     |  | 77   |   |                |             |
| 138 7. Buried Petroleum Tank 8. 1=Shoreline 2= Swimming Pool 16. Clearwater Sump 24. Ditch 2525. Other NR 812 Waste Source DDis Well.  Drillhole Dimensions and Construction Method From To Upper Enlarged Drillhole From To Upper Enlarged Drillhole From To Upper Enlarged Drillhole From To Upper Enlarged Drillhole From To Upper Enlarged Drillhole From To Upper Enlarged Drillhole From To Upper Enlarged Drillhole From To Upper Enlarged Drillhole From To Sewers Rotary - Air and Foam  -4. Drill-Throught Casing Hammer  -5. Reverse Rotary -6. Cable-tool Bit   |                    |                        |   | •   |  | 14.                    | _                                   |  |  |   |                | 2≓Other     |
| Drillhole Dimensions and Construction Method Upper Enlarged Drillhole 1. Retary - Mod Circulation -1. R  |                    |                        |   | •   |  | 15.                    | Collector Sew                       | er units_  | i_ dia_  |   | J              |             |
| Drillhole Dimensions and Construction Method Upper Enlarged Drillhole I. (Rtn) 10 Upper Enlarged Drillhole II. (Rtn) 17 Upper Enlarged Drillhole II. (Rtn) 17 Upper Enlarged Drillhole II. (Rtn) 17 Upper Enlarged Drillhole III. (Rtn) 18 Upper Enlarged Drillhole III. (Rtn) 18 Upper Enlarged Drillhole III. (Rtn) 18 Upper Enlarged Drillhole III. (Rtn) 18 Upper Enlarged Drillhole III. (Rtn) 18 Upper Enlarged Drillhole III. (Rtn) 19 Upper III. (Rtn) 19 Upper III. (Rtn) 1  |                    |                        |   |   | ol   | 16.                    | Clearwater Su                       | шр   |  |   | aste Source    |             |
| From To Upper Enlarged Drillhole (ft) (ft) (ft) (ft) (ft) (ft) (ft) (ft)  | Dri                | Thole 1                |   |   |  |                        |                                     |  |  |   |                |             |
| X - 2. Rotary - Air  3. Rotary - Air and Foam  4. Drill-Through Casing Hammer  5. Reverse Kotury  6. Cable-tool Bit n. dia  7. Temp. Onter Casing in. dia.  7. Temp. Onter Casing in. dia.  Other  Casing Liner Screen Material, Weight, Specification (ft.)  6.6 OD X280 ASTMA 53B 18.97# TYPE EW  WELD JT SAWHILLUSA  Dia.(in.)  Screen type, material & slot size  10. Pump Test  11. Well Is: 18 in. A Grade A=Above B=Below  Dia.(in.)  Screen type, material & slot size  15. SLOT SS SCREEN  To  40  To  40  From To  Screen type, material & slot size  (ft.) (ft.)  From To  Sacks  (ft.) (ft.)  Cement  CLAY SLURRY  Surface  20.0  Initials of Drill Rig Operator (Mandatory unless same as above)  Date Signed  Initials of Drill Rig Operator (Mandatory unless same as above)  Date Signed  |                    | THOIC 1                | Dimensions a  | nd Construction Method  |  | Lower O                | nen Rednock                         | Geology  |  | DOG METT  | Fron           | 1 To        |
| - 3. Notary - 14. Drill-Through Casing Hammer - 4. Drill-Through Casing Hammer - 5. Reverse Rotary - 6. Cable-tool Bit - 1. dia - 7. Temp. Outer Casing - in. dia - 7. Temp. Out  | ia (ii             | Fı                     | гол То  | Upper Enlarged Dri  | illhole  |                        | pen Bedrock                         |  | 8. Geology   |   |                |             |
| - 4. Drill-Through Casing Hammer - 5. Reverse Robary - 6. Cable-tool Bit  | ia.(ii             | Fı                     | гол То  | Upper Enlarged Dri<br>— 1. Rotary - Mud Ci  | illhole  |                        | pen Bedrock<br>—                    | Codes  | 8. Geology Type, Caving/Noncaving, Colo  | or, Hardness, etc   |                | (ft.)       |
| -6. Cable-tool Bit n. dia -7. Temp. Outer Casing in. dia. depth ft. Removed?  Other Casing Liner Screen Material, Weight, Specification (ft.) (ft.)  6.6 OD X280 ASTMA 53B 18.97# TYPE EW WELD JT SAWHILLUSA  Surface 14.0 feet B ground surface A=Above B=Below Developed? Y B=Below Dia.(in.) Screen type, material & slot size 15 SLOT SS SCREEN 15 SLOT SS SCREEN 15 SLOT SS SCREEN 15 SLOT SS SCREEN 17. Dia.(in.) Error To Sacks (ft.) (ft.) Cement CLAY SLURRY Surface 20.0 Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed  |                    | Fı<br>L) (fi           | rom To  | Upper Enlarged Dri  — 1. Rotary - Mud Ci  X — 2. Rotary - Air —  — 3. Rotary - Air and  | irculation — Foam —  |                        | pen Bedrock<br>                     | Clay   | 8. Geology Type, Caving/Noncaving, Cold  | or, Hardness, etc   | (ft.)          | (±)<br>40 - |
| Removed? Other  Casing Liner Screen Material, Weight, Specification From To (ft.)  Obia (in.) Manufacturer & Method of Assembly (ft.) (ft.)  6.6 OD X280 ASTMA 53B 18.97# TYPE EW WELD JT SAWHILLUSA  9. Static Water Level 14.0 feet B ground surface A=Above B=Below Developed? Y B=Below Disinfected? Y B=Below Disinfected? Y B=Below Disinfected? Y Capped? Y Disinfected? Y Capped? Y B=Below Disinfected? Y Capped? Y B=Below Disinfected? Y Capped? Y B=Below Disinfected? Y Capped? Y B=Below Disinfected? Y Disinfected? Y Disinfected? Y Capped? Y B=Below Disinfected? Y Capped? Y B=Below Disinfected? Y Disin  | 0.0                | Fı<br>L) (fi<br>surfa  | rom To (ft) (ft)  | Upper Enlarged Dri  — 1. Rotary - Mud Ci  X — 2. Rotary - Air —  — 3. Rotary - Air and  — 4. Drill-Through C  | illhole inculation — Foam — Casing Hamm  |                        | pen Bedrock<br><br>                 | Clay   | 8. Geology Type, Caving/Noncaving, Cold  | or, Hardness, etc   | (ft.)          | (±)<br>40 - |
| OD X280 ASTMA 53B 18.97# TYPE EW WELD JT SAWHILLUSA  9. Static Water Level 14.0 feet B ground surface A=Above B=Below Dia.(in.)   Screen type, material & slot size   From   4.0   15 SLOT SS SCREEN  Method BACKFILL Kind of Sealing Material  Method BACKFILL Kind of Sealing Material  CLAY SLURRY  Surface  40  9. Static Water Level 14.0 feet B ground surface A=Above B=Below Developed? Y B=Below Disinfected? Y Pumping at 45.0 GP M 1.0 Hrs Capped? Y  12. Did you notify the owner of the need to permanently abandon and fill all minsed wells on this property? N If no, explain  N USE  13. Initials of Well Constructor or Supervisory Driller RK Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed  | 0.0                | Fı<br>L) (fi<br>surfa  | rom To (ft) (ft)  | Upper Enlarged Dri  — 1. Rotary - Mud Ci  X — 2. Rotary - Air —  — 3. Rotary - Air and  — 4. Drill-Through C  — 5. Reverse Rotary   | incole inculation — Foam — Casing Hamm   |                        | pen Bedrock<br><br>                 | Clay   | 8. Geology Type, Caving/Noncaving, Cold  | or, Hardness, etc   | (ft.)          | (±)<br>40 - |
| OD X280 ASTMA 53B 18.97# TYPE EW WELD JT SAWHILLUSA  9. Static Water Level 14.0 feet B ground surface A=Above B=Below Dia.(in.)   Screen type, material & slot size   From   4.0   15 SLOT SS SCREEN  Method BACKFILL Kind of Sealing Material  Method BACKFILL Kind of Sealing Material  CLAY SLURRY  Surface  40  9. Static Water Level 14.0 feet B ground surface A=Above B=Below Developed? Y B=Below Disinfected? Y Pumping at 45.0 GP M 1.0 Hrs Capped? Y  12. Did you notify the owner of the need to permanently abandon and fill all minsed wells on this property? N If no, explain  N USE  13. Initials of Well Constructor or Supervisory Driller RK Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed  | 0.0                | Fı<br>L) (fi<br>surfa  | rom To (ft) (ft)  | Upper Enlarged Dri  — 1. Rotary - Mud Ci  X — 2. Rotary - Air —  — 3. Rotary - Air and  — 4. Drill-Through C  — 5. Reverse Rotary  — 6. Cable-tool Bit  — 7. Temp. Outer Cas  | Foam Casing Hamm   | ет                     | -<br>-<br>-                         | Clay   | 8. Geology Type, Caving/Noncaving, Colo E hardpan m - gravel   | or, Hardness, etc   | (ft.)          | (±)<br>40 - |
| OD X280 ASTMA 53B 18.97# TYPE EW WELD JT SAWHILLUSA  9. Static Water Level 14.0 feet B ground surface A=Above B=Below Dia.(in.)   Screen type, material & slot size   From   4.0   15 SLOT SS SCREEN  Method BACKFILL Kind of Sealing Material  Method BACKFILL Kind of Sealing Material  CLAY SLURRY  Surface  40  9. Static Water Level 14.0 feet B ground surface A=Above B=Below Developed? Y B=Below Disinfected? Y Pumping at 45.0 GP M 1.0 Hrs Capped? Y  12. Did you notify the owner of the need to permanently abandon and fill all minsed wells on this property? N If no, explain  N USE  13. Initials of Well Constructor or Supervisory Driller RK Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed  | 0.0                | Fı<br>L) (fi<br>surfa  | rom To (ft) (ft)  | Upper Enlarged Dri — 1. Rotary - Mud Ci X — 2. Rotary - Air — — 3. Rotary - Air and — 4. Drill-Through C — 5. Reverse Rotary — 6. Cable-tool Bit — 7. Temp. Outer Cas Removed ?   | Foam Casing Hamm   | ет                     | -<br>-<br>-                         | Clay   | 8. Geology Type, Caving/Noncaving, Colo E hardpan m - gravel   | or, Hardness, etc   | (ft.)          | (±)<br>40 - |
| OD X280 ASTMA 53B 18.97# TYPE EW WELD JT SAWHILLUSA  9. Static Water Level 14.0 feet B ground surface A=Above B=Below Dia.(in.)   Screen type, material & slot size   From   4.0   15 SLOT SS SCREEN  Method BACKFILL Kind of Sealing Material  Method BACKFILL Kind of Sealing Material  CLAY SLURRY  Surface  40  9. Static Water Level 14.0 feet B ground surface A=Above B=Below Developed? Y B=Below Disinfected? Y Pumping at 45.0 GP M 1.0 Hrs Capped? Y  12. Did you notify the owner of the need to permanently abandon and fill all minsed wells on this property? N If no, explain  N USE  13. Initials of Well Constructor or Supervisory Driller RK Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed  | 0.0<br>6.0         | Fi<br>L.) (fi<br>surfa | rom To (ft) (cc 20 244  | Upper Enlarged Dri  1. Rotary - Mud Ci  X - 2. Rotary - Air —  3. Rotary - Air and  4. Drill-Through Ci  5. Reverse Rotary  6. Cable-tool Bit  7. Temp. Outer Car  Removed?  Other  | Foam ————————————————————————————————————  | er<br>1. dia           | depth ft.                           | Clay   | 8. Geology Type, Caving/Noncaving, Colo E hardpan m - gravel   | or, Hardness, etc   | (ft.)          | (±)<br>40 - |
| WELD JT SAWHILLUSA  9. Static Water Level 14.0 feet B ground surface A=Above B=Below 10. Pump Test Pumping level 35.0 ft. below surface Pumping at 45.0 GP M 1.0 Hrs  Pumping at 45.0 GP M  | 0.0<br>6.0<br>Casi | Fi.) (fi               | rom To (ft) (ct)  ce 20  20 44  ner Screen N  | Upper Enlarged Dri  — 1. Rotary - Mud Ci  X — 2. Rotary - Air —  — 3. Rotary - Air and  — 4. Drill-Through Ci  — 5. Reverse Rotary  — 6. Cable-tool Bit  — 7. Temp. Outer Car  Removed?  Other  faterial, Weight, Specification   | Foam ————————————————————————————————————  | er<br>1. dia           | depth ft.                           | Codes<br>Clay<br>Sand  | 8. Geology Type, Caving/Noncaving, Colo E hardpan m - gravel   | or, Hardness, etc   | (ft.)          | (±)<br>40 - |
| 9. Static Water Level 14.0 feet B ground surface A=Above B=Below Dia(in.) Screen type, material & slot size 4.0 15 SLOT SS SCREEN  To 40 44  Pumping at 45.0 GP M 1.0 Hrs Pumping at 45.0 GP M  | 0.0<br>6.0<br>Casi | Fil.) (fill surfa      | rom To (ft) (ct) 20 20 44 Man   | Upper Enlarged Dri  — 1. Rotary - Mud Ci  X — 2. Rotary - Air —  — 3. Rotary - Air and  — 4. Drill-Through Ci  — 5. Reverse Rotary  — 6. Cable-tool Bit  — 7. Temp. Outer Cas  Removed?  Other  Material, Weight, Specification   | Foam —  Foam  Casing Hamm  n. dia —  sing in  on  embly  | er  L dia  From (ft.)  | depth ft.  To (ft.)                 | Codes<br>Clay<br>Sand  | 8. Geology Type, Caving/Noncaving, Colo E hardpan m - gravel   | or, Hardness, etc   | (ft.)          | (±)<br>40 - |
| 9. Static Water Level 14.0 feet B ground surface A=Above B=Below Dia(in.) Screen type, material & slot size 4.0 15 SLOT SS SCREEN  To 40 44  Pumping at 45.0 GP M 1.0 Hrs Pumping at 45.0 GP M  | 0.0<br>6.0<br>Casi | Fil.) (fill surfa      | rom To (ft) (20 20 44 Man OD X280 A   | Upper Enlarged Dri  — 1. Rotary - Mud Ci  X — 2. Rotary - Air —  — 3. Rotary - Air and  — 4. Drill-Through Ci  — 5. Reverse Rotary  — 6. Cable-tool Bit  — 7. Temp. Outer Cas  Removed?  Other  Material, Weight, Specification  ufacturer & Method of Asset  STMA 53B 18.97# TYPE  | Foam —  Foam  Casing Hamm  n. dia —  sing in  on  embly  | er  L dia  From (ft.)  | depth ft.  To (ft.)                 | Codes<br>Clay<br>Sand  | 8. Geology Type, Caving/Noncaving, Colo E hardpan m - gravel   | or, Hardness, etc   | (ft.)          | (±)<br>40 - |
| 14.0 feet B ground surface A=Above B=Below   Developed? Y B=Below     | 0.0<br>6.0<br>Casi | Fil.) (fill surfa      | rom To (ft) (20 20 44 Man OD X280 A   | Upper Enlarged Dri  — 1. Rotary - Mud Ci  X — 2. Rotary - Air —  — 3. Rotary - Air and  — 4. Drill-Through Ci  — 5. Reverse Rotary  — 6. Cable-tool Bit  — 7. Temp. Outer Cas  Removed?  Other  Material, Weight, Specification  ufacturer & Method of Asset  STMA 53B 18.97# TYPE  | Foam —  Foam  Casing Hamm  n. dia —  sing in  on  embly  | er  L dia  From (ft.)  | depth ft.  To (ft.)                 | Codes<br>Clay<br>Sand  | 8. Geology Type, Caving/Noncaving, Colo E hardpan m - gravel   | or, Hardness, etc   | (ft.)          | (ft)        |
| 14.0 feet B ground surface A=Above B=Below   Developed? Y B=Below     | 0.0<br>6.0<br>Casi | Fil.) (fill surfa      | rom To (ft) (20 20 44 Man OD X280 A   | Upper Enlarged Dri  — 1. Rotary - Mud Ci  X — 2. Rotary - Air —  — 3. Rotary - Air and  — 4. Drill-Through Ci  — 5. Reverse Rotary  — 6. Cable-tool Bit  — 7. Temp. Outer Cas  Removed?  Other  Material, Weight, Specification  ufacturer & Method of Asset  STMA 53B 18.97# TYPE  | Foam —  Foam  Casing Hamm  n. dia —  sing in  on  embly  | er  L dia  From (ft.)  | depth ft.  To (ft.)                 | Codes<br>Clay<br>Sand  | 8. Geology Type, Caving/Noncaving, Colo E hardpan m - gravel   | or, Hardness, etc   | (ft.)          | (±)<br>40 - |
| Dia.(in.)   Screen type, material & slot size   From   40   44   Pumping level 35.0 ft. below surface   Disinfected? Y   B=Below   40   44   Pumping at 45.0 GP M 1.0 Hrs   Capped? Y   B=Below   Capped? Y   Capp  | 0.0<br>6.0<br>Casi | Fil.) (fill surfa      | rom To (ft) (20 20 44 Man OD X280 A   | Upper Enlarged Dri  — 1. Rotary - Mud Ci  X — 2. Rotary - Air —  — 3. Rotary - Air and  — 4. Drill-Through Ci  — 5. Reverse Rotary  — 6. Cable-tool Bit  — 7. Temp. Outer Cas  Removed?  Other  Material, Weight, Specification  ufacturer & Method of Asset  STMA 53B 18.97# TYPE  | Foam —  Foam  Casing Hamm  n. dia —  sing in  on  embly  | er  L dia  From (ft.)  | depth ft.  To (ft.)                 | Codes  | 8. Geology Type, Caving/Noncaving, Colo E hardpan m - gravel   | or, Hardness, etc   | (A)<br>-<br>40 | (±)<br>40 - |
| Dia (in.)   Screen type, material & slot size   From   40   44   Pumping level 35.0 ft. below surface   Disinfected? Y  | 0.0<br>6.0<br>Casi | Fil.) (fill surfa      | rom To (ft) (20 20 44 Man OD X280 A   | Upper Enlarged Dri  — 1. Rotary - Mud Ci  X — 2. Rotary - Air —  — 3. Rotary - Air and  — 4. Drill-Through Ci  — 5. Reverse Rotary  — 6. Cable-tool Bit  — 7. Temp. Outer Cas  Removed?  Other  Material, Weight, Specification  ufacturer & Method of Asset  STMA 53B 18.97# TYPE  | Foam —  Foam  Casing Hamm  n. dia —  sing in  on  embly  | er  L dia  From (ft.)  | depth ft.  To (ft.)                 | Codes Clay Sand  | 8. Geology Type, Caving/Noncaving, Colo E hardpan m - gravel  France  Er Level B ground surface  | or, Hardness, etc   | (ft.)          | (ft)        |
| Acrout or Other Sealing Material  Method BACKFILL  From To Sacks (ft.) (ft.) (ft.)  Kind of Sealing Material  CLAY SLURRY  Surface 20.0  From To Sacks Cement (ft.) (ft.  | 0.0<br>6.0<br>Casi | Fil.) (fill surfa      | rom To (ft) (20 20 44 Man OD X280 A   | Upper Enlarged Dri  — 1. Rotary - Mud Ci  X — 2. Rotary - Air —  — 3. Rotary - Air and  — 4. Drill-Through Ci  — 5. Reverse Rotary  — 6. Cable-tool Bit  — 7. Temp. Outer Cas  Removed?  Other  Material, Weight, Specification  ufacturer & Method of Asset  STMA 53B 18.97# TYPE  | Foam —  Foam  Casing Hamm  n. dia —  sing in  on  embly  | er  L dia  From (ft.)  | depth ftTo (ft.)40                  | Social Scatter Water 14.0 feet   | 8. Geology Type, Caving/Noncaving, Colo  E hardpan m  - gravel  - gravel  er Level  B ground surface A=Above B=Below   | Th. Well Is:  | (ft.)          | (ft)        |
| Method BACKFILL From To Sacks Kind of Sealing Material CLAY SLURRY  # unnsed wells on this property? N If no, explain IN USE  13. Initials of Well Constructor or Supervisory Driller RK Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed  Date Signed   | 0.0<br>6.0<br>Casi | surfa                  | rom To (ft) (ft)  20 20 44  mer Screen Man OD X280 A WELD JT S  | Upper Enlarged Dri — 1. Rotary - Mud Ci X — 2. Rotary - Air — — 3. Rotary - Air and — 4. Drill-Through C — 5. Reverse Rotary — 6. Cable-tool Bit _ — 7. Temp. Outer Car Removed? Other  Material, Weight, Specification ufacturer & Method of Asset ASTMA 53B 18.97# TYPE SAWHILLUSA  | Foam  Foam  To dia  To | From (ft.)             | depth ftTo                          | 9. Static Watt 14.0 feet   | 8. Geology Type, Caving/Noncaving, Colo  E hardpan m  - gravel  - gravel  er Level  B ground surface A=Above B=Below   | TI. Well Is: Developed?   | (ft.)          | (ft)        |
| Method BACKFILL  Kind of Sealing Material  CLAY SLURRY  Surface  To (ft.)  (ft.)  (ft.)  (ft.)  Sacks (ft.)  (ft.)  (ft.)  (ft.)  Sacks (ft.)  (ft.)  (ft.)  Sacks (ft.)  (ft.)  (ft.)  (ft.)  Sacks (ft.)  (ft.)  (ft.)  (ft.)  Sacks (ft.)  If no, explain  IN USE  13. Initials of Well Constructor or Supervisory Driller  RK  Initials of Drill Rig Operator (Mandatory unless same as above)  Date Signed   | 0.0 6.0 Casi       | surfa                  | rom To (ft) (ft)  20 20 44  Man OD X280 A WELD JT S   | Upper Enlarged Dri — 1. Rotary - Mud Ci X — 2. Rotary - Air — — 3. Rotary - Air and — 4. Drill-Through C — 5. Reverse Rotary — 6. Cable-tool Bit _ — 7. Temp. Outer Car Removed? Other  Material, Weight, Specification ufacturer & Method of Asset ASTMA 53B 18.97# TYPE SAWHILLUSA  | Foam  Foam  To dia  To | From (ft.)             | depth ft. To (ft.)  40              | School Sc | 8. Geology Type, Caving/Noncaving, Colo  E hardpan m  - gravel  - gravel  er Level  B ground surface  A=Above B=Below  el 35.0 ft. below surface   | Th. Well Is:  Developed? Y Disinfected? Y   | (ft.)          | (ft)        |
| Kind of Sealing Material  CLAY SLURRY  Surface  20.0  Initials of Well Constructor or Supervisory Driller  RK  Initials of Drill Rig Operator (Mandatory unless same as above)  Date Signed  Date Signed  | 0.0  Casi  Lia (i  | surfa                  | Tom To (ft) (ft)  20 20 44  Man OD X280 A WELD JT S   | Upper Enlarged Dri — 1. Rotary - Mud Ci X — 2. Rotary - Air — — 3. Rotary - Air and — 4. Drill-Through Ci — 5. Reverse Rotary — 6. Cable-tool Bit _ — 7. Temp. Outer Car Removed? Other  Material, Weight, Specification ufacturer & Method of Asset ASTMA 53B 18.97# TYPE SAWHILLUSA   | Foam  Foam  To dia  To | From (ft.)             | To (ft.)  To 40                     | 9. Static Water 14.0 feet Pumping lever Pumping at 2. Did you not  | E Caving/Noncaving, Color E Caving/Noncaving | TI. Well Is:  Developed? Y Capped? Y  | (ft.)          | (ft)        |
| CLAY SLURRY surface 20.0 RK  Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed  | 0.0 6.0 Casia (i   | surfa                  | Tom To (ft) (ft)  20 20 44  Man OD X280 A WELD JT S   | Upper Enlarged Dri — 1. Rotary - Mud Ci X — 2. Rotary - Air — — 3. Rotary - Air and — 4. Drill-Through Ci — 5. Reverse Rotary — 6. Cable-tool Bit _ — 7. Temp. Outer Car Removed? Other  Material, Weight, Specification ufacturer & Method of Asset ASTMA 53B 18.97# TYPE SAWHILLUSA   | Foam  Foam  Casing Hamm  n. dia — sing _ in  on embly  EW   si   | From (ft.)  nrface     | To (ft.)  To 44                     | 9. Static Water 14.0 feet Pumping lever Pumping at 12. Did you not mused wells on  | E Caving/Noncaving, Color E Caving/Noncaving | III. Well Is: Developed? Y Capped? Y naneutly abandon                             | (ft.)          | (ft)        |
| Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed   | 0.0  Casi  Dia (i  | surfa                  | Tom To (ft) (ft)  20 20 44  Man OD X280 A WELD JT S  Screen ty 1  her Sealing M BACKFILL                        | Upper Enlarged Dri — 1. Rotary - Mud Ci X — 2. Rotary - Air — — 3. Rotary - Air and — 4. Drill-Through Ci — 5. Reverse Rotary — 6. Cable-tool Bit _ — 7. Temp. Outer Cas Removed? Other  Material, Weight, Specification ufacturer & Method of Asse STMA 53B 18.97# TYPE SAWHILLUSA   | Foam  Foam  To dia  To | From (ft.)  nrface  To | To (ft.)  To 40  To Sacks           | 9. Static Water 14.0 feet Pumping at 2. Did you not mused wells on If no, explain  | 8. Geology Type, Caving/Noncaving, Colo  E MODON  — Grove  France  B ground surface  A=Above B=Below  el 35.0 ft. below surface  45.0 GP M 1.0 Hrs  fiffy the owner of the need to perm this property? N   | Developed? Y Disinfected? Y Capped? Y Dancetty abandon USE                        | (ft.)          | (ft)        |
|   | 0.0  Casi  Dia (i  | surfa                  | Tom To (ft) (ft)  ace 20  20 44  Man  OD X280 A  WELD JT S  Screen ty  1  ther Sealing M  BACKFILL  Kind of Sea | Upper Enlarged Dri — 1. Rotary - Mud Ci X — 2. Rotary - Air — — 3. Rotary - Air and — 4. Drill-Through C — 5. Reverse Rotary — 6. Cable-tool Bit _ — 7. Temp. Outer Car Removed? Other  Material, Weight, Specification ufacturer & Method of Asset ASTMA 53B 18.97# TYPE SAWHILLUSA  Type, material & slot size 5 SLOT SS SCREEN | Foam  Casing Hamm  n. dia — sing in  on embly  EW s  From (ft.)  | From (ft.)  To (ft.)   | To (ft.)  To 40  To Sacks Cement 1. | 9. Static Water 14.0 feet Pumping at 2. Did you not mused wells on If no, explain  | 8. Geology Type, Caving/Noncaving, Colo  E MODON  — Grove  France  B ground surface  A=Above B=Below  el 35.0 ft. below surface  45.0 GP M 1.0 Hrs  fiffy the owner of the need to perm this property? N   | Developed? Y Capped? Y naneutly abandon USE                                       | (ft.)          | (ft)        |
| stonal Comments? Variance Issued?   | 0.0 6.0 Casia (i   | surfa                  | Tom To (ft) (ft)  ace 20  20 44  Man  OD X280 A  WELD JT S  Screen ty  1  ther Sealing M  BACKFILL  Kind of Sea | Upper Enlarged Dri — 1. Rotary - Mud Ci X — 2. Rotary - Air — — 3. Rotary - Air and — 4. Drill-Through C — 5. Reverse Rotary — 6. Cable-tool Bit _ — 7. Temp. Outer Car Removed? Other  Material, Weight, Specification ufacturer & Method of Asset ASTMA 53B 18.97# TYPE SAWHILLUSA  Type, material & slot size 5 SLOT SS SCREEN | Foam  Casing Hamm  n. dia — sing in  on embly  EW s  From (ft.)  | From (ft.)  To (ft.)   | To (ft.)  40  To sacks Cement 1.    | 9. Static Water 14.0 feet 10. Pump Test Pumping at 12. Did you not unused wells on If no, explain 3. Initials of W   | 8. Geology Type, Caving/Noncaving, Colc E COLOGIA  - GROVE  Prove  B ground surface A=Above B=Below  el 35.0 ft. below surface 45.0 GP M 1.0 Hrs  fiffy the owner of the need to perm this property? N    N  ell Constructor or Supervisory De-  ell Constructor or Supervisory De-  | II. Well is: Developed? Y Disinfected? Y Capped? Y naneutly abandon USE Tiller RK | (ft.)          | (ft)        |

| и<br>So   | VISCONSIN<br>Durce: V   | VELL (   | <i>JE WELL</i><br>CONST  | L NUME<br>RUCT   | ER<br>ION                                       |                                  | LAE  | 578  | E  | Private Water S<br>Of Natural Res<br>53707  | •   | ox 7921  | (R                    | ev 02/                   | 800-77A<br>/02)bw                |
|---|---|--|--|--|---|----------------------------------|--|--|--|---|---|--|-----------------------|--------------------------|----------------------------------|
| Prop<br>Own   |   | o, RUTH  |  |  |   | Tel                              | ephone 715   | <b>-668-5459</b>   | 1. Well Lo   | cation  |   | [  | Depth<br>—            | 556                      | FT                               |
|   | ing W16653 (  |  |  |  |   | NIII                             | mber   |  | T of PE  |   |   |  | Fire                  | :#                       |                                  |
| City  | GILMAN  |  |  |  | State   | VI Zi                            | p Code   | 54433  | Street Addres  | ss or Road Nar  | ne and Nu   | mber   |                       |                          |                                  |
|   | ty of Well Loca   | tion   | 140 1  | Co Well P  | ermit No  | W                                | ell Completio  | on Date<br>18, 1997  | Subdivision  | Name  | L   | ot#  | B                     | Block #                  |                                  |
|   | Constructor   |  |  | •  | icense #  | I Facility                       | ID (Public)  | 10, 1991   | I County I as  |   |   |  |                       |                          |                                  |
|   | IALD A KOMA   | AREK SR  |  |  | 610   | Tacility                         | ID (I IIIIC)   |  | Gov't Lot  |   | or NE   |  | of SI                 | VV                       | 1/4 of                           |
| Addre<br>W474                                       | ss<br>46 SAARI RD   |  |  |  | ***   | Public                           | Well Plan Ap   | proval#  | Section  | 17 <sup>T</sup> 32  | 2 N I   | 3 4  | W                     |                          |                                  |
| City  |   |  | Sta  |  | Code  | Date Of                          | Approval   |  | 2. Well Typ  | e 2   | (See i  | tem 12 be  | elow)                 |                          |                                  |
|   | TBORO<br>Permanent We   | 1#   | Corr   | nnon Well  | 490<br>#  | Specific                         | Capacity   |  | 1=New  | 2=Replaceme   | nut 3=Re  | construction                                       | OTI                   |                          |                                  |
|   |   |  | Com  | imon wen   | <b>"</b> .                                      | эресте                           | gpm/fi   |  | of previous u  | nique well #  | FN480   | construct  | ted in _              | 0                        |                                  |
| 3. Well   | Serves #  | of homes a   | and or HC  | OMES   |   |                                  | _  | lapacity.  | Reason for rep   | placed or recon   | istructed W   | /eII?  |                       |                          |                                  |
|   | D<br>O=OTM N=NonC   |  | restaurant,<br>Z=Other X=No  | •  | •   | • -                              | Í .  | N<br>sy? N   |  | 2=Driven Poir   | rt 3=Jetted   | 4≕Other  |                       |                          |                                  |
|   |   |  |  |  |   |                                  |  | ources, including  | 1  |   |   | 7 01101  |                       |                          |                                  |
| Well lo<br>Distance                                 | cated in floodp<br>in feet from we  | lain? N  | t (including   | g proposed)  | ,   | 9.                               | Downsport/   | Yard Hydrant   |  |   | 17. Waste   | water Sur  | шÞ                    |                          |                                  |
|   | 1. Landfi   |  |  | ,  |   |                                  | Privy  | 5  |  |   | 18. Paved   |  |                       | •                        |                                  |
| :   | 80 2. Buildir   | g Overhar  | ng   |  |   |                                  |  | Drain to Clearw<br>Drain to Sewer  | vater  |   | 19. Anima   | al Yard or   | Shelter               |                          |                                  |
|   |   | * .  | Holding Ta   | ank  |   |                                  | Building Dr  |  |  |   | 20. Silo<br>21. Barn (  | 2-46-  |                       |                          |                                  |
| 10  | 00 4. Sewage  | •  |  |  |   |                                  | 1=Cast   | t Iron or Plastic  |  |   | 22. <b>Manu</b> r   |  | 1-C                   | <del></del>              | -D                               |
|   | 5. Noncon   | _  |  |  |   | 14.                              | _  | wer 1=Gravi  |  |   | ]   | l=Cást iro   | n or Pla              | stic 2=                  | =Pressure<br>=Otber              |
|   | 6. Buried   |  | •  | ank  |   | 15.                              |  | =Cast Iron or Pla<br>wer units _   |  |   | 23. Other 1<br>24. Ditch  | manure St  | orage                 |                          |                                  |
|   | 7. Buried   | Petroleum  | 1 ank  |  |   |                                  |  |  |  |   |   |  |                       |                          |                                  |
|   | .Q 1Q1  | oreline 2=   | = Curimmir   | ng Pool  |   | 16                               | Clearnater S   | Sump   |  |   | 25. Other)  | NR 812 W   | aste So               | ште                      |                                  |
| 5 D. M.   |   |  | = Swimmir  |  | <del></del>                                     |                                  | Clearwater S   |  | ×  | <b>25</b> 2   | 25. Other) MONIT  | NR 812 W<br>OR WELL                                | عا                    |                          |                                  |
|   | le Dimensions<br>From To  | and Consti<br>U  | ruction Me<br>pper Enlarge   | <b>thod</b><br>ed Drillhol   | e   | Lower O                          | pen Bedrock  |  | 8.<br>Type, Cavin  |   | 25. Other) MONIT  | OR WELL  | عا                    | From                     | To                               |
|   | le Dimensions   | and Constr<br>U<br>X-1   | ruction Me<br>pper Enlarge<br>Rotary - M   | t <b>hod</b><br>ed Drillhol<br>Iud Circul  | e   | Lower O                          | pen Bedrock  | Geology<br>Codes   |  | 252<br>Geolo<br>g/Noncaving, (  | 25. Other) MONIT  | OR WELL  | عا                    |                          | To (ft.)                         |
| Dia.(in.)   | le Dimensions<br>From To  | and Constr<br>U<br>X-1<br>-2.  | ruction Me<br>pper Enlarg<br>Rotary - M<br>Rotary - A  | thod<br>ed Drillhol<br>Iud Circula<br>ir   | e<br>ition —                                    | Lower O                          | pen Bedrock  | Geology Codes PC HA  | Type, Caving   | 252<br>Geolo<br>g/Noncaving, (  | 25. Other) MONIT  | OR WELL  | LS                    | From<br>(ft.)            | (fL)                             |
| Dia.(in.)  8.0 su                                   | le Dimensions From To (ft) (ft)  rface 556  | X-1.<br>-2.<br>-3.   | ruction Me<br>pper Enlarge<br>Rotary - M<br>Rotary - A<br>Rotary - A<br>Drill-Thro   | athod<br>ed Drillhol<br>And Circula<br>ir ————————————————————————————————————   | e<br>rtion ———————————————————————————————————— | Lower O                          | pen Bedrock  | Geology Codes PC HA  | Type, Caving   | 252<br>Geolo<br>g/Noncaving, (  | 25. Other) MONIT  | OR WELL  | LS                    | From<br>(ft.)<br>0       | (ft.)<br>50 -                    |
| Dia.(in.)   | le Dimensions<br>From To<br>(ff) (ff)   | X-1.<br>-2.<br>-3.<br>-4.  | ruction Me<br>pper Enlarge<br>Rotary - M<br>Rotary - A<br>Drill-Thro<br>Reverse R  | abod ed Drillhol fud Circula ir ——— ir and Foa ough Casin  | ention ————————————————————————————————————     | Lower O                          | pen Bedrock  | Geology Codes PC HA  | Type, Caving   | 252<br>Geolo<br>g/Noncaving, (  | 25. Other) MONIT  | OR WELL  | LS                    | From<br>(ft.)<br>0       | (ft.)<br>50 -                    |
| Dia.(in.)  8.0 su                                   | le Dimensions From To (ft) (ft)  rface 556  | X-1.<br>-2.<br>-3.<br>-4.<br>-5.<br>-6.  | ruction Me<br>pper Enlarge<br>Rotary - M<br>Rotary - A<br>Rotary - A<br>Drill-Thro<br>Reverse R<br>Cable-tool  | thod<br>ed Drillhol<br>fud Circula<br>ir and Foa<br>ough Casin<br>Rotary<br>Bit  | ention m g Hamm                                 | Lower O                          | pen Bedrock<br><br>                                      | Geology<br>Codes<br>PC HA<br>Q_ GR   | Type, Caving   | 252<br>Geolo<br>g/Noncaving, (  | 25. Other) MONIT  | OR WELL  | LS                    | From<br>(ft.)<br>0       | (ft.)<br>50 -                    |
| Dia.(in.)  8.0 su                                   | le Dimensions From To (ft) (ft)  rface 556  | X-1.<br>-2.<br>-3.<br>-4.<br>-5.<br>-6.  | Rotary - A<br>Rotary - A<br>Rotary - A<br>Rotary - A<br>Drill-Thro<br>Reverse R<br>Cable-tool<br>Temp. Out<br>Removed  | thod<br>ed Drillhol<br>fud Circula<br>ir and Foa<br>ough Casin<br>Rotary<br>Bit_<br>ter Casing   | ention m g Hamm                                 | Lower O                          | pen Bedrock  | Geology<br>Codes<br>PC HA<br>Q_ GR   | Type, Caving   | 252<br>Geolo<br>g/Noncaving, (  | 25. Other) MONIT  | OR WELL  | LS                    | From<br>(ft.)<br>0       | (ft.)<br>50 -                    |
| Dia.(in.)  8.0   SH                                 | Dimensions   From   To   (ft)   (ft)   (ft)   | X-1234567.   | ruction Me pper Enlarg Rotary - M Rotary - A Rotary - A Drill-Thro Reverse R Cable-tool Temp. Out Removed her  | ethod ed Drillhol fud Circula ir —— ir and Foar ough Casin Rotary Bit er Casing ?  | ention m g Hamm                                 | Lower O                          | pen Bedrock<br><br>                                      | Geology<br>Codes<br>PC HA<br>Q_ GF   | Type, Caving   | 252<br>Geolo<br>g/Noncaving, (  | 25. Other) MONIT  | OR WELL  | LS                    | From<br>(ft.)<br>0       | (ft.)<br>50 ▲                    |
| Dia.(in.)  8.0 su  6.0  Casing I                    | le Dimensions From To (ft) (ft)  rface 556  55 385  | X - 1 2 3 4 5 6 7. Ott   | ruction Me pper Enlarg Rotary - M Rotary - A Rotary - A Drill-Thro Reverse R Cable-tool Temp. Out Removed ther   | athod  at | e ation   | Lower O                          | pen Bedrock  | Geology<br>Codes<br>PC HA<br>Q_ GF   | Type, Caving<br>ARDPAN CLA<br>RANITE   | Geolog/Noncaving, C   | 25. Other) MONIT  | OR WELL  | LS                    | From<br>(ft.)<br>0       | (ft.)<br>50 -                    |
| Bia.(in.)  8.0 sur  6.0  Casing I                   | From To (ft) (ft)  rface 556  55 385  Liner Screen  | X - 1 2 3 4 5 6 7. Oth   | Rotary - M. Rotary - M. Rotary - A. Rotary - A. Drill-Thro Reverse R. Cable-tool Temp. Out Removed ther  Veight, Spece   | thod ed Drillhol fud Circula ir ir and Foat ough Casin kotary Bit ter Casing ?   | e ation m                                       | Lower O                          | pen Bedrock  depth ft.  To  (ft.)                        | Geology<br>Codes<br>PC HA<br>Q_ GF   | Type, Caving   | Geolog/Noncaving, C   | 25. Other) MONIT  | OR WELL  | LS                    | From<br>(ft.)<br>0       | (ft.)<br>50 -                    |
| Dia.(in.)  8.0 su  6.0  Casing I                    | Dimensions   From   To (ft) (ft) (ft)   | X - 1 2 3 4 5 6 7. Oth   | Rotary - M. Rotary - M. Rotary - A. Rotary - A. Drill-Thro Reverse R. Cable-tool Temp. Out Removed ther  Veight, Spec. & Method o. B 18 97#T   | thod ed Drillhol fud Circula ir ir and Foat ough Casin kotary Bit ter Casing ?   | e ation m                                       | Lower O                          | pen Bedrock  | Geology<br>Codes<br>PC HA<br>Q_ GF   | Type, Caving<br>ARDPAN CLA<br>RANITE   | Geolog/Noncaving, C   | 25. Other) MONIT  | OR WELL  | LS                    | From<br>(ft.)<br>0       | (ft.)<br>50 -                    |
| Bia.(in.)  8.0 sur  6.0  Casing I                   | Dimensions   From   To (ft) (ft) (ft)   | X - 1 2 3 4 5 6 7. Oth  Material, Waterial,              | Rotary - M. Rotary - M. Rotary - A. Rotary - A. Drill-Thro Reverse R. Cable-tool Temp. Out Removed ther  Veight, Spec. & Method o. B 18 97#T   | thod ed Drillhol fud Circula ir ir and Foat ough Casin kotary Bit ter Casing ?   | e ation m                                       | Lower O                          | pen Bedrock  depth ft.  To  (ft.)                        | Geology<br>Codes<br>PC HA<br>Q_ GF   | Type, Caving<br>ARDPAN CLA<br>RANITE   | Geolog/Noncaving, C   | 25. Other) MONIT  | OR WELL  | LS                    | From<br>(ft.)<br>0       | (ft.)<br>50 -                    |
| Bia.(in.)  8.0 sur  6.0  Casing I                   | Dimensions   From   To (ft) (ft) (ft)   | X - 1 2 3 4 5 6 7. Oth  Material, Waterial,              | Rotary - M. Rotary - M. Rotary - A. Rotary - A. Drill-Thro Reverse R. Cable-tool Temp. Out Removed ther  Veight, Spec. & Method o. B 18 97#T   | thod ed Drillhol fud Circula ir ir and Foat ough Casin kotary Bit ter Casing ?   | e ation m                                       | Lower O                          | pen Bedrock  depth ft.  To  (ft.)                        | Geology<br>Codes<br>PC HA<br>Q_ GF   | Type, Caving<br>ARDPAN CLA<br>RANITE   | Geolog/Noncaving, C   | 25. Other) MONIT  | OR WELL  | LS                    | From<br>(ft.)<br>0       | (ft.)<br>50 -                    |
| Bia.(in.)  8.0 sur  6.0  Casing I                   | Dimensions   From   To (ft) (ft) (ft)   | X - 1 2 3 4 5 6 7. Oth  Material, Waterial,              | Rotary - M. Rotary - M. Rotary - A. Rotary - A. Drill-Thro Reverse R. Cable-tool Temp. Out Removed ther  Veight, Spec. & Method o. B 18 97#T   | thod ed Drillhol fud Circula ir ir and Foat ough Casin kotary Bit ter Casing ?   | e ation m                                       | Lower O                          | pen Bedrock  depth ft.  To  (ft.)                        | Geology<br>Codes<br>PC HA<br>Q_ GF   | Type, Caving   | Geolog/Noncaving, C   | MONII<br>gy<br>Color, Ham   | iness, etc   |                       | From (ft.)<br>0          | (ft.) 50 -                       |
| Bia.(in.)  8.0 sur  6.0  Casing I                   | Dimensions   From   To (ft) (ft) (ft)   | X - 1 2 3 4 5 6 7. Oth  Material, Waterial,              | Rotary - M. Rotary - M. Rotary - A. Rotary - A. Drill-Thro Reverse R. Cable-tool Temp. Out Removed ther  Veight, Spec. & Method o. B 18 97#T   | thod ed Drillhol fud Circula ir ir and Foat ough Casin kotary Bit ter Casing ?   | e ation m                                       | Lower O                          | pen Bedrock  depth ft.  To  (ft.)                        | Geology<br>Codes<br>PC HA<br>Q_ GF   | Type, Caving ARDPAN CLA RANITE  er Level B ground  | Geolog/Noncaving, C   | MONII<br>gy<br>Color, Ham   | OR WELL  | LS                    | From (ft.) 0 50          | (ft.) 50                         |
| Bia.(in.)  8.0 sur  6.0  Casing I                   | Dimensions   From   To (ft) (ft) (ft)   | X - 1 2 3 4 5 6 7. Oth  Material, Waterial,              | Rotary - M. Rotary - M. Rotary - A. Rotary - A. Drill-Thro Reverse R. Cable-tool Temp. Out Removed ther  Veight, Spec. & Method o. B 18 97#T   | thod ed Drillhol fud Circula ir ir and Foat ough Casin kotary Bit ter Casing ?   | e ation m                                       | Lower O                          | pen Bedrock  depth ft.  To  (ft.)                        | Geology Codes PC HAQ_ GF   | Type, Caving ARDPAN CLA RANITE  er Level B ground A=Abo  | Geolog/Noncaving, C   | 25. Other) MONII gy Color, Ham  | iness, etc   | 36 in.                | From (ft.) 0 50 50 A A=  | (ft.) 50 -                       |
| Bia.(in.)  8.0 sur  6.0  Casing I                   | From To (ft) (ft)  rface 556  55 385  Liner Screen  Ma  ODX280 / WELD JT  | X-1234567. Oth  Material, Wantfacture & ASTMA53I SAWHILL   | Rotary - M. Rotary - M. Rotary - A. Rotary - A. Drill-Thro Reverse R. Cable-tool Temp. Out Removed ther  Veight, Spec. & Method o. B 18 97#T   | thod ed Drillhol fud Circula ir ——— ir and Foar ough Casin Rotary Bit _ ter Casing ? ification f Assembly  | n dia in  | Lower O                          | pen Bedrock  depth ft.  To  (ft.)                        | Geology CodesPC HAQ_ GF  | Type, Caving ARDPAN CLA RANITE  Ter Level B ground A=About   | Geolog/Noncaving, C   | MONII gy Color, Harr  | iness, etc   | 36 in.                | From (ft.) 0 50 50 A A=  | (ft.) 50  385  Grade  Above      |
| 6.0 sun 6.0 Sun 6.0 Sun 6.0 Sun 6.0 Sun 6.6 Sun 6.6 | From To (ft) (ft) (ft)  rface 556  55 385  Liner Screen  Ma  ODX280 / WELD JT                                   | X-1234567. Oth  Material, Wantfacture & ASTMA53I SAWHILL   | ruction Mepper Enlarge Rotary - Mentary - Aentary - Cable-tool Temp. Out Removed ther  Veight, Spece Method 6: B 18 97#T USA | thod ed Drillhol fud Circula ir ——— ir and Foar ough Casin Rotary Bit _ ter Casing ? ification f Assembly  | n dia in  | er  From (ft.)                   | pen Bedrock  depth ft.  To (ft.)                         | Geology Codes PC HAQ_ GF  9. Static Wat 9.0 feet                               | Type, Caving ARDPAN CLA RANITE  Per Level B ground A=Abo tel 350.0   | Geolog/Noncaving, C<br>Y MIX  | MONIT<br>gy<br>Color, Harr  | Well Is:   | 36 in.                | From (ft.) 0 50 50 A A=  | (ft.) 50  385  Grade  Above      |
| Dia.(in.)  8.0 sm 6.0  Casing I  Dia. (in.) 6.6     | le Dimensions From To (ff) (ff)  rface 556  55 385  Liner Screen  Ma  ODX280 / WELD JT                          | X - 1.  X - 1.  - 2.  - 3.  - 4.  - 5.  - 6.  - 7.  Oth  Matterial, Waterial,  ruction Mepper Enlarge Rotary - Mentary - Aentary - Cable-tool Temp. Out Removed ther  Veight, Spece Method 6: B 18 97#T USA | thod ed Drillhol fud Circula ir ——— ir and Foar ough Casin Rotary Bit _ ter Casing ? ification f Assembly  | n dia in  | er  From (ft.)                   | pen Bedrock  depth ft.  To (ft.)  55                     | 9. Static Wate 9.0 feet Pumping at 12. Did you no                              | Type, Caving ARDPAN CLA RANITE  Bert Level Bert Bert Bert Bert Bert Bert Bert Bert   | Geolog/Noncaving, C<br>Y MIX  I surface we B=Below  It below surface H 2.0 Hi of the need to p  | 25. Other) MONIT gy Color, Hard  11.  Devel ce Dising Cappe   | Well is:   | 36 in.                | From (ft.) 0 50 A A B=   | (ft.) 50  385  Grade  Above      |
| Dia.(in.)  8.0 sur  6.0  Casing I  Dia. (in.)  6.6  | From To (ft) (ft) (ft)  rface 556  55 385  Liner Screen  Ma  ODX280 / WELD JT                                   | X - 1.  X - 1.  - 2.  - 3.  - 4.  - 5.  - 6.  - 7.  Oth  Material, Waterial, Waterial  ASTMA538 SAWHILL  | ruction Mepper Enlarge Rotary - Mentary - Aentary - Cable-tool Temp. Out Removed ther  Veight, Spece Method 6: B 18 97#T USA | thod ed Drillhol fud Circula ir ——— ir and Foar ough Casin Rotary Bit _ ter Casing ? ification f Assembly  | n dia in  | er  From (ft.)                   | pen Bedrock  depth ft.  To (ft.)  55                     | 9. Static Wat 9.0 feet Pumping lev Pumping at 12. Did you no                   | Type, Caving ARDPAN CLA RANITE  Bert Level Bert Bert Bert Bert Bert Bert Bert Bert   | Geolog/Noncaving, C<br>Y MIX  I surface we B=Below  It below surface H 2.0 Hi of the need to p  | 25. Other) MONIT gy Color, Hard  11.  Devel ce Dising Cappe   | Well is:   | 36 in.                | From (ft.) 0 50 A A B=   | (ft.) 50  385  Grade  Above      |
| Dia.(in.)  8.0 sur  6.0  Casing I  Dia. (in.)  6.6  | le Dimensions From To (ff) (ff)  rface 556  55 385  Liner Screen  Ma  ODX280 / WELD JT  Screen                  | X - 1 2 3 4 5 6 7. Ott  Material, Wantfacturer & SAWHILL  Type, material  REMIE  | ruction Mepper Enlarge Rotary - M. Rotary - A. Rotary - A. Drill-Thro Reverse R. Cable-tool Temp. Out Removed ther Veight, Spece Method o. B 18 97#T. USA  | thod ed Drillhol fud Circula ir ——— ir and Foar ough Casin Rotary Bit _ ter Casing ? ification f Assembly  | g Hamm<br>n. dia<br>in                          | Lower O                          | pen Bedrock  depth ft.  To (ft.)  55                     | 9. Static Wate 9.0 feet Pumping at 12. Did you no                              | Type, Caving ARDPAN CLA RANITE  Ber Level Beroum A=About tel 350.0 pt tel 4.0 GP offity fine owner on this property?   | Geolog/Noncaving, C<br>Y MIX  I surface we B-Below  It below surface H 2.0 Ha Of the need to p  | 25. Other) MONIT gy Color, Hard  11.  Devel Cappe permanent   | Well is:   | 36 in. Y Y On and fil | From (ft.) 0 50 A=B=     | (ft.) 50  385  Grade  Above      |
| Dia.(in.)  8.0 sur  6.0  Casing I  Dia. (in.)  6.6  | Pumensions From To (ft) (ft)  rface 556  55 385  Liner Screen Ma ODX280 / WELD JT  Screen  Pumped T  Kind of Se | X - 1 2 3 4 5 6 7. Ott  Material, Wantfacturer & SAWHILL  Type, material  REMIE  | ruction Mepper Enlarge Rotary - M. Rotary - A. Rotary - A. Drill-Thro Reverse R. Cable-tool Temp. Out Removed ther Veight, Spece Method o. B 18 97#T. USA  | thod ed Drillhol fud Circula ir ——— ir and Foar ough Casin Rotary Bit _ ter Casing ? ification f Assembly  | g Hamm<br>n. dia<br>in                          | Elower O  er  From (ft.)  urface | pen Bedrock  depth ft.  To (ft.)  55  To  # Sacks Cement | 9. Static Wat 9.0 feet Pumping at 12. Did you no mused wells or If no, explain | Type, Caving ARDPAN CLA RANITE  Ber Level Beroum A=About tel 350.0 pt tel 4.0 GP offity fine owner on this property?   | Geolog/Noncaving, C<br>Y MIX  I surface we B-Below  It below surface H 2.0 Ha Of the need to p  | 25. Other) MONIT gy Color, Hard  11.  Devel Cappe permanent   | Well is:   | 36 in.                | From (ft.) 0 50 A=B=     | (ft.) 50 A 385 Grade Above Below |
| Dia.(in.)  8.0 sur  6.0  Casing I  Dia. (in.)  6.6  | Pumensions From To (ft) (ft)  rface 556  55 385  Liner Screen Ma ODX280 / WELD JT  Screen  Pumped T  Kind of Se | X - 1 2 3 4 5 6 7. Ott  Material, W. Material, W. Material & SAWHILL  Material REMIE aling Material  | ruction Mepper Enlarge Rotary - M. Rotary - A. Rotary - A. Drill-Thro Reverse R. Cable-tool Temp. Out Removed ther Veight, Spece Method o. B 18 97#T. USA  | thod ed Drillhol fud Circula ir ——— ir and Foar ough Casin Rotary Bit _ ter Casing ? ification f Assembly  | ration ——  g Hamm  n. dia ——  ir  From  (ft.)   | Lower O er  From (ft.)  To (ft.) | pen Bedrock  depth ft.  To (ft.)  55  To  # Sacks Cement | 9. Static Wat 9.0 feet Pumping at 12. Did you no mused wells or If no, explain | Type, Caving ARDPAN CLA RANITE  Ter Level  B ground A=About to the state of the sta | Geolog/Noncaving, C<br>Y MIX  I surface we B=Below  the below surface H 2.0 Hi of the need to p | 25. Other) MONIT gy Color, Hard  Line Development Capps  Capps  The Development Capps  The | Well Is:  Well Is:  loped?  fected?  y abandon  RK | 36 in. Y Y On and fil | From (ft.) 0 50  A A= B= | (ft.) 50 A 385 Grade Above Below |

| Well Construction Report For   | State of Wisconsin Private Water Supply - WS/2   |
|--|--|
| WISCONSIN UNIQUE WELL NUMBER 523   | Department of Natural Resources Box 792]   |
| Property Ruth Damond Telephone Number (1/15)   | Madison, WI 53707 (Please type or print using a black pen.)  |
| Mailing Mailing  | 1. Well Location Please use decimals instead of fractions.   |
| Address W. 1.6653 CTH M. State Zip Code  | Town City Village Fire # (If avail.)   |
| Gilman W1 944 33   | of Pershing Grid or Street Address of Road Name and Number (If avail.)   |
| County of Well Location Co. Well Permit Well Completion Date (mm-dd-yy)  | Grid of Street Address Gr. Koad Ivalie and Milmoer (II avail.)   |
| Taylor No. W 11-16-92:   | Subdivision Name Lot # Block #   |
| Well Constructor (Business Name)  License # 2. Mark well location with a dot in correct  |  |
| Address Well Dolg & With a dot in correct 40-acre parcel of section. N   | Gov't Lot # or N = 1/4 of S W 1/4 of   |
| WHITE Saari Rd   | en en en en en en en en en en en en en e   |
| City State Zip Code  | Section  |
| Westboro W: 54490 W TY   | Replacement Reconstruction   |
| The product of the second of t | of previous unique well # <u>LA 678</u> constructed in 19  |
| High Capacity:   | Reason for new, replaced or reconstructed well?  |
| 4. Well serves # of/homes and or Well?   | Contamination  |
| (Ex: barn, restaurant, church, school, industry, etc.) Property? Yes You   |  |
| 5. Well located on highest point of property, consistent with the general layout and surrounding  9. Downspout/Yard Hydrant  | s? Yes No If no, explain on back side.  17. Wastewater Sump  |
| Well located in floodplain? Yes No Distance in Feet From Well To Nearest:  10. Privy   | 18. Paved Animal Barn Pen  |
| Distance in Feet From Well 10 Nearest: ————————————————————————————————————  | 19. Animal Yard or Shelter   |
| Le D 2. Building Overhang 12. Foundation Drain to Sewer  | 20. Silo - Type  |
| 3. Septic or Holding Tank (circle one) 13. Building Drain  | 21. Barn Gutter  |
| 4. Sewage Absorption Unit Cast Iron or Plastic Other   |  |
| 5. Nonconforming Pit 14. Building Sewer Gravity Cast Iron or Plastic Other   |  |
| 7. Buried Petroleum Tank 15. Coll ctor or Street Sewer   | Other NR 112 Waste Source  |
| 8. Shoreline/Swimming Pool 16. Clearwater Sump   | 24.  |
|  |  |
|  | Coology  |
| From To enlarged drillhole only.   | Geology From To Caving/Noncaving, Color, Hardness, Etc. (ft.) (ft.)  |
| From To enlarged drillhole only.  Dia_ (in.) (ft.) (ft.)  Dia_ (in.) (ft.)   | , Caving/Noncaving, Color, Hardness, Etc. (ft.) (ft.)  |
| From To enlarged drillhole only.  Dia (in.) (ft.) (ft.)  1. Rotary - Mud Circulation   |  |
| From To enlarged drillhole only.  Dia (in.) (ft.) (ft.)  Surface 3 2 2 2 2 2 Rotary - Air  | Caving/Noncaving, Color, Hardness, Etc. (ft.) (ft.)  Surface /4  |
| From To enlarged drillhole only.  Dia (in.) (ft.) (ft.)  1. Rotary - Mud Circulation  2. Rotary - Air  3. Rotary - Foam  4. Reverse Rotary   | , Caving/Noncaving, Color, Hardness, Etc. (ft.) (ft.)  |
| From To enlarged drillhole only.  Dia (in.) (ft.) (ft.)  1. Rotary - Mud Circulation  2. Rotary - Air  3. Rotary - Foam  4. Reverse Rotary  5. Cable-tool Bit in. dia  | Caving/Noncaving, Color, Hardness, Etc. (ft.) (ft.)  Surface 14  Agave 1 14 18   |
| From To enlarged drillhole only.  Dia (in.) (ft.) (ft.)  1. Rotary - Mud Circulation  2. Rotary - Air  3. Rotary - Foam  4. Reverse Rotary  5. Cable-tool Bit  6. Temp Outer Casing  | Caving/Noncaving, Color, Hardness, Etc. (ft.) (ft.)  Surface /4  |
| From To enlarged drillhole only.  Dia (in.) (ft.) (ft.)  1. Rotary - Mud Circulation  2. Rotary - Air  3. Rotary - Foam  4. Reverse Rotary  5. Cable-tool Bit  6. Temp Outer Casing  Removed?  X Yes \ No  | Caving/Noncaving, Color, Hardness, Etc. (ft.) (ft.)  Surface 14  Agave 1 14 18   |
| From To enlarged drillhole only.  Dia (in.) (ft.) (ft.)  1. Rotary - Mud Circulation  2. Rotary - Air  3. Rotary - Foam  4. Reverse Rotary  5. Cable-tool Bit  6. Temp Outer Casing  Removed?  If no, explain  | Caving/Noncaving, Color, Hardness, Etc. (fl.) (ft.)  Surface 14  Agave 14 18   |
| From To enlarged drillhole only.  Dia_(in.) (ft.) (ft.)  1. Rotary - Mud Circulation  2. Rotary - Air  3. Rotary - Foam  4. Reverse Rotary  5. Cable-tool Bit  6. Temp. Outer Casing  4 Yes \ No  If no, explain  7. Casing, Liner, Screen   | Caving/Noncaving, Color, Hardness, Etc. (ft.) (ft.)  Surface 14  Agave 1 14 18   |
| From To enlarged drillhole only.  Dia (in.) (ft.) (ft.)  1. Rotary - Mud Circulation  2. Rotary - Foam  4. Reverse Rotary  5. Cable-tool Bit  7. Casing, Liner, Screen  Material, Weight, Specification  From To  Dis (in.) (ft.)  1. Rotary - Mud Circulation  1. Rotary - Air  3. Rotary - Foam  4. Reverse Rotary  5. It in. dia  Clay  Type  No  If no, explain  7. Other  To  | Caving/Noncaving, Color, Hardness, Etc. (fl.) (ft.)  Surface 14  Agave 14 18   |
| From To enlarged drillhole only.  Dia (in.) (ft.) (ft.)    1. Rotary - Mud Circulation   | Caving/Noncaving, Color, Hardness, Etc. (fl.) (ft.)  Surface 14  Agave 14 18   |
| From To enlarged drillhole only.  Dia (in.) (ft.) (ft.)  1. Rotary - Mud Circulation  2. Rotary - Air  3. Rotary - Foam  4. Reverse Rotary  5. Cable-tool Bit  6. Temp Outer Casing  7. Other  7. Casing, Liner, Screen  Material, Weight, Specification  Manufacturer & Method, of Assembly  (ft.) (ft.)  1. Rotary - Mud Circulation  2. Rotary - Air  3. Rotary - Foam  4. Reverse Rotary  5. Cable-tool Bit  7. Other  7. Casing, Liner, Screen  Material, Weight, Specification  Manufacturer & Method, of Assembly  (ft.) (ft.)  | Caving/Noncaving, Color, Hardness, Etc. (ft.) (ft.)  Surface 14  Agave 1 14 18   |
| From To enlarged drillhole only.  Dia (in.) (ft.) (ft.)  1. Rotary - Mud Circulation  2. Rotary - Air  3. Rotary - Foam  4. Reverse Rotary  5. Cable-tool Bit  6. Termp Outer Casing  7. Other  7. Casing, Liner, Screen  Material, Weight, Specification  Manufacturer & Method of Assembly (ft.) (ft.)  Manufacturer & Method of Assembly (ft.) (ft.)  | Caving/Noncaving, Color, Hardness, Etc. (fl.) (ft.)  Surface 14  Agave 14 18   |
| From To enlarged drillhole only.  Dia (in.) (ft.) (ft.)    1. Rotary - Mud Circulation   | Caving/Noncaving, Color, Hardness, Etc. (ft.) (ft.)  Surface 14  Agravel 14 18  Agravel mix 18 33  |
| Dia. (in.) (ft.)   | Caving/Noncaving, Color, Hardness, Etc. (ft.) (ft.)  Surface 14  Agravel 14/8  Agravel 18/33  vel 12. Well Is:   |
| Prom To enlarged drillhole only.  Dia. (in.) (ft.) (ft.)  1. Rotary - Mud Circulation    1. Rotary - Air     3. Rotary - Foam     4. Reverse Rotary     5. Cable-tool Bit     in. dia  | Caving/Noncaving, Color, Hardness, Etc. (ft.) (ft.)  Surface 14  Agrave 114 18  / Grave 1 mix 18 33  vel 12. Well Is:  |
| Prom To (ft.) (ft.) (ft.)    Dia (in.) (ft.) (ft.)   1. Rotary - Mud Circulation   horse   like   surface   3   2. Rotary - Air   3. Rotary - Foam   4. Reverse Rotary   5. Cable-tool Bit   lin. dia   Clay   lin. dia   Removed?   Yes   No   If no, explain   7. Other   7. Casing, Liner, Screen   Material, Weight, Specification   From To   Manufacturer & Method of Assembly (ft.) (ft.)   (ft.)   | Caving/Noncaving, Color, Hardness, Etc. (ft.) (ft.)  Surface /4  Agave / 4 / 8  / Grave / 7 / 8  / Grave / 7 / 8  / Language / 8 in. Below Grade   |
| Dia (in.) (ft.) (ft.)  Dia (in.) (ft.) (ft.)  1. Rotary - Mud Circulation  2. Rotary - Air  3. Rotary - Foam  4. Reverse Rotary  5. Cable-tool Bit  7. Casing, Liner, Screen  Material, Weight, Specification  Manufacturer & Method, of Assembly  1. Casing, Liner, Screen  Manufacturer & Method, of Assembly  5. AST MA 5. Republication  5. Specification  7. Casing, Liner, Screen  Manufacturer & Method, of Assembly  6. Tempouer Casing  7. Casing, Liner, Screen  Material, Weight, Specification  Manufacturer & Method, of Assembly  6. Tempouer  7. Casing, Liner, Screen  Material, Weight, Specification  7. Other  7. Casing, Liner, Screen  Material, Weight, Specification  From  10. Static Water Letter  12. Single Size x 18 Slot Screen 4 19  13. The pump Test  Pumping Level  Pumping Level   | vel shove ground surface lelow ground surface / 8 in. Below Grade  |
| Dia (in.) (ft.) (ft.)  Dia (in.) (ft.) (ft.)  1. Rotary - Mud Circulation  2. Rotary - Air  3. Rotary - Foam  4. Reverse Rotary  5. Cable-tool Bit  6. Temp Outer Casing  7. Other  7. Casing, Line, Screen  Material, Weight, Specification  Manufacturer & Method of Assembly  Manufacturer & Method of Assembly  Sawt. 1/25 AST MA 5 3 BANGS 28 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3   | vel blove ground surface below ground surface    12. Well Is:   13. Above   14. Above   15 |
| Dia (in.) (ft.) (ft.)  Dia (in.) (ft.) (ft.)  Dia (in.) (ft.) (ft.)  1. Rotary - Mud Circulation  2. Rotary - Air  3. Rotary - Foam  4. Reverse Rotary  5. Cable-tool Bit  7. Other  7. Casing, Liner, Screen  Material, Weight, Specification  Manufacturer & Method of Assembly (ft.) (ft.)  Dia (in.) Manufacturer & Method of Assembly (ft.) (ft.)  Sauth Valada Sauth Specification  Sauth Valada Sauth Specification  Sauth Valada Sauth Specification  Sauth Valada Sauth Specification  Sauth Valada Sauth Specification  Sauth Valada Sauth Specification  Sauth Valada Sauth Specification  To Manufacturer & Method of Assembly (ft.) (ft.)  Sauth Valada Sauth Specification  Sauth Valada Sauth Specification  Sauth Valada Sauth Specification  Sauth Valada Sauth Specification  Sauth Valada Sauth Specification  Sauth Valada Sauth Specification  To Manufacturer & Method of Assembly (ft.) (ft.)  Sauth Valada Specification  Sauth Valada Specification  Sauth Valada Specification  Sauth Valada Specification  To Static Water Le   | vel blove ground surface below ground surface below ground surface below ground surface below ground surface below ground surface below ground surface below ground surface below ground surface below ground surface capped?    Above Grade   A |
| Dia (in.) From To (ft.) (ft.) (ft.)  Dia (in.) (ft.) (ft.) (ft.)    1. Rotary - Mud Circulation  | vel blove ground surface pelow ground surface pelow ground surface pelow ground surface pelow ground surface pelow ground surface pelow ground surface pelow ground surface pelow ground surface pelow ground surface pelow ground surface   X Above Grade   X Yes   No Disinfected?   Yes   No Capped?   Yes   No Capped?   Yes   No GPM for   hours  |
| Prom To (ft.) (ft.) (ft.) (ft.)   1. Rotary - Mud Circulation   1. Rotary - Air   3. Rotary - Foam   4. Reverse Rotary   5. Cable-tool Bit   7. Other   7. | vel   Developed?   Yes   No     Surface   No     Clay  |
| Prom To Dia (in.) (ft.) (ft.) (ft.)   1. Rotary - Mud Circulation   1. Rotary - Air   3. Rotary - Foam   4. Reverse Rotary   5. Cable-tool Bit   7. Other  | vel    January   12. Well Is:   January   18   33     January   18   33     January   18   33     January   18   33     January   18   33     January   18   38     January   18     January  |
| Prom To (ft.) (ft. | vel  blove ground surface  celow ground surf |
| Prom To (ft.) (ft.) (ft.)   1. Rotary - Mud Circulation   1. Rotary - Air   3. Rotary - From   4. Reverse Rotary   5. Cable-tool Bit   7. In. dia   7. Other   7. Oth | vel labove ground surface labove ground surf |

|                         |  | <i>UNIQUE WE</i><br>ELL CONS                   |                                |            |               | UR                 | 078                                   | State of Wi-Priv<br>Department Of<br>Madison, WI 5 |                   |                                  |             | 3300-77 <i>A</i><br>02/02)bw |
|-------------------------|--|--|--------------------------------|------------|---------------|--------------------|---------------------------------------|--|-------------------|----------------------------------|-------------|------------------------------|
| Ргоре                   | PERSHING                                       | , TN OF, ELLIS                                 | , ANDIE                        |            | Telep         | hone 715           | 5 <b>–</b> 668 <b>–</b> 53 <b>7</b> 2 |  |                   | E                                | Depth 4     | <b>1</b> F                   |
|                         | <sup>ng</sup> W16219 EL                        |  |                                |            | Numb          | oer                | <del></del>                           | T=Town C=C<br>T of PERS                            |                   |                                  | Fire#       |                              |
| City                    | GILMAN   |  |                                | State V    | VI Zip (      | Code               | 54433                                 | Street Address of HWY M                            |                   |                                  |             |                              |
| County<br>61            | y of Well Location<br>TAYLOR                   | NO NO  | Co Well P                      | ermit No   | Well          | Completi<br>July 2 | on Date<br>2, 2008                    | Subdivision Nar                                    | ne                | Lot#                             | Bloc        | ck #                         |
|                         | Constructor                                    |  | I                              |            | Facility II   | (Public)           |                                       | Gov't Lot  | or                | NE 1/4 o                         | of SW       | 1/4 of                       |
| Addres                  |  |  |                                | 515        | Public We     | ell Plan Ap        | oproval#                              | Section 1  | 7 T 32 N          |                                  | ,           |                              |
| City                    | INER WELL DE                                   |  | •                              | Code       | Date Of A     | pproval            | <del></del>                           | 2. Well Type                                       | 2 (               | (See item 12 be                  | low)        |                              |
| MEDF<br>Hicap F         | ORD<br>Permanent Well #                        |  | Wl 54<br>Common Well           | 451  <br># | Specific C    | anacity            |                                       | 1=New 2=   | Replacement       | 3=Reconstruction                 | on          |                              |
|                         |  |  | ommon wen                      | "          | 4.9           | gpm/f              | t .                                   | of previous uniqu                                  | ue well#          | construct                        | ted in      |                              |
| 3. Well S               |  | homes and or<br>eg: bam, restaura              |                                |            | stry, etc.)   | High (             | Capacity:                             | Reason for replac                                  | ed or reconstruc  | ted Well?                        |             |                              |
| M=Munic                 | O=OTM N=NonCom                                 | P=Private Z=Other X                            | =NonPot A=Anoc                 | de L=Loop  | H=Drillhole   | Proper             | ty? N                                 | 1 1=Dnilled 2=                                     | Driven Point 3=J  | letted 4=Other                   |             |                              |
|                         | •  |  |                                | •          | -             |                    | -                                     | g those on neighbor                                |                   |                                  |             | <del></del>                  |
| Well loo<br>Distance in | cated in floodplai<br>n feet from well         | in? <b>N</b><br>to nearest (includ             | ing proposed                   | )          | 9. D<br>10. P | •                  | / Yard Hydrant                        |  |                   | Wastewater Sun                   | •           |                              |
|                         | 1. Landfill                                    |  |                                |            |               | •                  | Drain to Cleary                       | vater  |                   | Paved Animal B<br>Animal Yard or |             |                              |
| 2                       | 20 2. Building                                 | - C  | T1-                            |            |               |                    | Drain to Sewer                        |  | 20. 5             |                                  | Chores      |                              |
|                         | -  | ptic 2= Holding                                |                                |            | 13. B         | uilding D          |                                       |  | 21. E             | Barn Gutter                      | .₩1         |                              |
|                         | <ol> <li>Sewage A</li> <li>Nonconfo</li> </ol> | Absorption Unit                                |                                |            | 14 B          |                    | t Iron or Plastic<br>wer l≕Gravi      |  | 22.               | Manure Pipe                      | 1=Gravity   | 2=Pressure                   |
|                         |  | ome Heating Oi                                 | l Tank                         |            | 14. D         | _                  | Cast Iron or Pla                      | -  | 23. C             | 1=Cast iro<br>Other manure St    |             | 2=Other                      |
|                         |  | troleum Tank                                   |                                |            | 15. Co        | ollector Se        | wer: units _                          | in . diam.   | 24. D             | itch                             | J           |                              |
|                         |  | reline 2= Swim                                 | ming Pool                      |            | 16. CI        | earwater S         | Sump                                  |  | 25. C             | other NR 812 W                   | aste Sourc  | е                            |
| 5. Drillhol             | e Dimensions an                                | d Construction                                 |                                |            | Lower Ope     | n Redrock          | Geology                               | 8.   | Geology           |                                  | Fro         | m To                         |
|                         | From To (ft) (ft)                              |  | arged Drillhol<br>- Mud Circul | le         | •             | II Dear oc         | Codes                                 | Type, Caving/N                                     | oncaving, Color   | , Hardness, etc                  | (ft         | .) (ft.)                     |
| <u>DIR.(III.)</u>       | 1  | X = 2. Rotary                                  |                                |            |               |                    | P_ H/                                 | <del></del>  | <del></del>       | <del></del>                      | 0           | 39 🛋                         |
| 10.0 sur                | rface 20                                       | - 3. Rotary                                    | - Air and Foa                  | m —        |               |                    | Y_ SA                                 | ND & GRAVEL  |                   |                                  | 39          | 41                           |
|                         | 20 41  |  | Through Casin                  | g Hamm     | er            |                    |                                       | <del></del>  |                   |                                  |             |                              |
| 6.0                     | 20 41  | <ul><li>5. Revers</li><li>6. Cable-t</li></ul> |                                | n. dia —   |               | <u>-</u>           |                                       | <del></del>  |                   |                                  |             | 7                            |
|                         |  |  | Outer Casing                   | _ in       | . dia         | _ depth ft         | : L                                   |  |                   |                                  |             |                              |
|                         |  | Remov<br>Other                                 | red ?                          |            |               |                    |                                       |  |                   |                                  |             |                              |
| CiI                     |  |  |                                |            | F             | т.                 |                                       |  |                   |                                  |             |                              |
| Dia(in.)                |  | aterial, Weight, S<br>facturer & Metho         |                                | ٧          | From<br>(ft.) | To<br>(ft.)        |                                       |  |                   |                                  |             |                              |
| 6.0                     | NEW BLK.                                       | STEEL T&C 19.                                  | 45 #/FT. A5                    | 3B su      | ırface        | 41                 |                                       |  |                   |                                  |             |                              |
|                         | WHEATLAN                                       | 1D   |                                |            |               |                    |                                       |  |                   |                                  |             |                              |
|                         |  |  |                                |            | ļ.            |                    |                                       |  |                   |                                  |             |                              |
|                         |  |  |                                | -          |               |                    | <u> </u>                              |  | <del></del>       |                                  | <del></del> |                              |
|                         |  |  |                                | - 1        | - 1           |                    | 9. Static Wat                         |  |                   | 11. Well Is:                     | 30 in.      | A Grade                      |
| 1                       |  |  |                                |            |               |                    | 19.0 feet                             | B ground su<br>A=Above                             | B=Below           | -                                |             | A=Above                      |
|                         |  |  |                                |            | 1             |                    | 10. Pump Tes                          | t  |                   | •                                | Y           | B=Below                      |
| Dia.(in.)               | Screen ty                                      | pe, material & slo                             | t size                         | Fr         | om            | To                 | Pumping lev                           |  |                   | Disinfected?                     |             |                              |
|                         |  |  |                                | 1          | {             |                    | Pumping a                             |  |                   |                                  | Y<br>       |                              |
| Grout or (              | Other Sealing M                                | aterial  |                                |            | <del></del>   | #                  |                                       | otify the owner of to<br>this property?            |                   | anentiy abandor                  | and till al | 1                            |
| Method                  |  |  |                                | From       | To            | Sacks              | If no, explain                        |  |                   |                                  |             |                              |
|                         | Kind of Seali                                  |  |                                | (ft.)      | (fL)          | Cement             | 13. Initials of W                     | ell Constructor or                                 | Supervisory Dri   |                                  | Date Sign   |                              |
|                         | DRILL CU                                       | TTINGS   |                                | surface    | 20.0          | S                  | Initials of Dan                       | Rig Operator (Mar                                  | ndator            | WDB                              |             | /22/08                       |
|                         |  |  |                                | l          |               |                    | minais of Duli                        | wig Obergiot (IMa)                                 | ndatory uniess sa | mile as above)                   | Date Sign   | ied                          |

## WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

| See instruction   | on Reverse Side  |
|---|--|
| 1. County Taylor  | (Town & Rershing   |
| T32N R4W 27844 1913/16  | City Check one and give name                                       |
| 2. Location ////// 14 4 Ate   | 17. F327 19-426  |
| $\mathcal{O}_{-}$   | mise or Section, Town and Range numbers  Chool in Gullman School h |
| 3. Owner  or Agent  Name of individ                                     | thool in Sillman School N.   |
|   | ON (A)   |
| 4. Mail Address Complete  | address required   |
| 5. From well to nearest: Building £ft; sewer                            | ft: drain ft: septic tank 60 ft:                                   |
|   |  |
| dry well or filter bedft; abandoned well                                | 1 - V 1  |
| 6. Well is intended to supply water for:                                | achtel   |
| 7. DRILLHOLE:   | 10. FORMATIONS:  |
| Din. (in.)   From (it.)   To (it.)   Din. (in.)   From (it.)   To (it.) | Kind From Te   |
| 9 0 12 5 12 30  | Clay 0 12  |
|   | Sand of grand 12 30  |
| 8. CASING AND LINER PIPE OR CURBING:                                    |  |
| Dia_(in_) Eind and Weight From (ft.) To (ft.)                           |  |
| 5 stand steels 0 30   | RECEIVED   |
|   | AUG 2 7 1957   |
|   |  |
| 9. GROUT:   | SANITATION   |
| Kind   From (it.)   To (it.)  |  |
| Mad 0 12  |  |
| · consid  | Construction of the well was completed on:                         |
| ** RESCRIPT ADDOTED ATTA  | Rug 16 1059  |
| 11. MISCELLANEOUS DATA:   | 9  |
| Yield test: Hrs. at GPM.  | The well is terminatedinches                                       |
| Depth from surface to water-level:ft.                                   | ☑ above, below ☐ the permanent ground surface.                     |
| Water-level when pumping:ft.  | Was the well disinfected upon completion?                          |
|   | Yes_/No  |
| Water sample was sent to the state laboratory at:                       | Was the well sealed watertight upon completion?                    |
| Marison on Chap 201952  | Yes_ X No  |
| City  | X (1)  |
| CAMPAIL   | Thelas WW  |
| Registered Well Driller  Please do not wri                              | Complete Mail Address  |
| 295A0   | -  |
| Red Aloue The No. 346   | 10 ml 10 ml 10 ml 10 ml  |
| Aus'd   | Gas-24 hrs.  |
| Ansid   | 48 hrs.  |
| IIICI PICCOPOLI   | •  |
| The same street street street and the same                              | Confirm  |
|   | B. Coli  |
| I UNIONA TRANSPAR RANGER BILLI ADDI MARI                                | Remarkans  |

|  | uctions on Reverse Side  JAN 5   |
|--|--|
| 1 - 1  | 194  |
| 1. County Talo   | Village Tershing   |
| ()   | Check one and give name  |
| 2. Location Name of street s   | SE Se. 7.  |
| 8. Owner X or Agent [  | nold school  |
| Ra   | Name of individual partnership or firm   |
| 4. Mail Address  | Complete address required  |
| 5. From well to nearest: Buildingfi  | t; sewerft; drainft; septic tank / OOft;   |
| dry well or filter bedft; abandone   | $\sim$   |
|  | School   |
| <ol> <li>Well is intended to supply water for:</li> <li>DRILLHOLE:</li> </ol>  | 10. FORMATIONS:  |
| Dia. (ib.) From (ft.) To (ft.)   | 1' +   |
| 6 20   | From From (ft.)  |
|  | - lay 020  |
|  | - Stand 2010   |
|  | - grave jo 40  |
| 8. CASING AND LINER PIPE OR CURBING  | : Class 40 50  |
| Dis., (in.) Kind (it.) To  | grave 3063   |
| 4 rupe 0 37  | granue 65 66   |
| 37 sereen 375 66   |  |
|  |  |
|  |  |
| 9. GROUT:  |  |
| Kind From To (it.)   |  |
| they of  |  |
|  |  |
|  |  |
|  |  |
| 11. MISCELLANEOUS DATA:  | 99   |
| Yield test: Hrs. at GPM  | Construction of the well was completed on  |
| Depth from surface to water:ft   | The well is terminated bur above Miches  |
| Water-level when pumping:ft  |  |
| Water sample sent to laboratory at   | Was the well disinfected upon completion?  |
| Today on Dec 5 194   | 7 Yes No   |
| on 202 197   | With the their period water argue upon complement  |
| PRI  | Yes No No  |
| Signature Registered Well Driller  | Complete Mail Address  |
| THOSE TO COLUMN TO STATE TO ST | A PARTIE AND A PAR |



# APPENDIX E LABORATORY ANALYTICAL REPORTS





March 02, 2016

Kenneth Shimko Meridian Environmental Consulting, LLC 2711 North Elco Rd Fall Creek, WI 54742

RE: Project: DONALD STORE

Pace Project No.: 40128528

## Dear Kenneth Shimko:

Enclosed are the analytical results for sample(s) received by the laboratory on February 23, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten

brian.basten@pacelabs.com

**Project Manager** 

Enclosures







## **CERTIFICATIONS**

Project:

DONALD STORE

Pace Project No.:

40128528

**Green Bay Certification IDs** 

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263 North Dakota Certification #: R-150

South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 US Dept of Agriculture #: S-76505 Virginia VELAP Certification ID: 460263 Virginia VELAP ID: 460263 Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444



# **SAMPLE SUMMARY**

Project:

DONALD STORE

Pace Project No.: 40128528

|             |            | ·-     |                | <del></del>    |
|-------------|------------|--------|----------------|----------------|
| Lab ID      | Sample ID  | Matrix | Date Collected | Date Received  |
| 40128528001 | 1:3-4      | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528002 | 1:7-8      | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528003 | 1:10'      | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528004 | 1:14'      | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528005 | 1:19-20    | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528006 | 2: 3-4     | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528007 | 2: 7-8     | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528008 | 2: 11-12   | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528009 | 2: 15-16   | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528010 | 3: 3-4     | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528011 | 3: 7-8     | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528012 | 3: 11-12   | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528013 | 4: 3-4     | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 10128528014 | 4: 7-8     | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 10128528015 | 4: 11-12   | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528016 | 5: 3-4     | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 10128528017 | 5: 7-8     | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528018 | 5: 11-12   | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528019 | 6: 3-4     | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528020 | 6: 7-8     | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528021 | 6: 11-12   | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528022 | 6: 15-16   | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528023 | MW1: 3-4   | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528024 | MW1: 7-8   | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |
| 40128528025 | MW1: 11-12 | Solid  | 02/18/16 00:00 | 02/23/16 07:20 |



# **SAMPLE ANALYTE COUNT**

Project:

DONALD STORE

Pace Project No.: 40128528

| Lab ID      | Sample ID | Method        | Analysts | Analytes<br>Reported | Laboratory |
|-------------|-----------|---------------|----------|----------------------|------------|
| 40128528001 | 1:3-4     | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | втн      | 1                    | PASI-G     |
| 40128528002 | 1:7-8     | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | втн      | 1                    | PASI-G     |
| 40128528003 | 1:10'     | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | втн      | 1                    | PASI-G     |
| 40128528004 | 1:14'     | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | втн      | 1                    | PASI-G     |
| 40128528005 | 1:19-20   | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | втн      | 1                    | PASI-G     |
| 40128528006 | 2: 3-4    | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | вт⊭      | 1                    | PASI-G     |
| 40128528007 | 2: 7-8    | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | втн      | 1                    | PASI-G     |
| 40128528008 | 2: 11-12  | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | втн      | 1                    | PASI-G     |
| 40128528009 | 2: 15-16  | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | втн      | 1                    | PASI-G     |
| 40128528010 | 3: 3-4    | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | втн      | 1                    | PASI-G     |
| 40128528011 | 3: 7-8    | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | BTH      | 1                    | PASI-G     |
| 40128528012 | 3: 11-12  | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | втн      | 1                    | PASI-G     |
| 40128528013 | 4: 3-4    | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | втн      | 1                    | PASI-G     |
| 40128528014 | 4: 7-8    | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | втн      | 1                    | PASI-G     |
| 40128528015 | 4: 11-12  | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTMD2974-87  | втн      | 1                    | PASI-G     |
| 40128528016 | 5: 3-4    | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | втн      | 1                    | PASI-G     |
| 40128528017 | 5: 7-8    | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | втн      | 1                    | PASI-G     |
| 40128528018 | 5: 11-12  | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |           | ASTM D2974-87 | ктѕ      | 1                    | PASI-G     |
| 40128528019 | 6: 3-4    | WI MOD GRO    | PM\$     | 12                   | PASI-G     |



# **SAMPLE ANALYTE COUNT**

Project:

DONALD STORE

Pace Project No.: 40128528

| Lab ID      | Sample ID  | Method        | Analysts | Analytes<br>Reported | Laboratory |
|-------------|------------|---------------|----------|----------------------|------------|
|             |            | ASTM D2974-87 | ктs      | 1                    | PASI-G     |
| 40128528020 | 6: 7-8     | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |            | ASTM D2974-87 | KTS      | 1                    | PASI-G     |
| 40128528021 | 6: 11-12   | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |            | ASTM D2974-87 | KTS      | 1                    | PASI-G     |
| 40128528022 | 6: 15-16   | WI MOD GRO    | PM\$     | 12                   | PASI-G     |
|             |            | ASTM D2974-87 | KTS      | 1                    | PASI-G     |
| 40128528023 | MW1: 3-4   | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |            | ASTM D2974-87 | KT\$     | 1                    | PASI-G     |
| 40128528024 | MW1: 7-8   | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |            | ASTM D2974-87 | KTS      | 1                    | PASI-G     |
| 40128528025 | MW1: 11-12 | WI MOD GRO    | PMS      | 12                   | PASI-G     |
|             |            | ASTM D2974-87 | KTS      | 1                    | PASI-G     |





## **PROJECT NARRATIVE**

Project:

DONALD STORE

Pace Project No.:

40128528

Method: WI MOD GRO
Description: WIGRO GCV

Client:

Meridian Environmental Consulting, LLC

Date:

March 02, 2016

#### **General Information:**

25 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

#### **Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

#### **Sample Preparation:**

The samples were prepared in accordance with TPH GRO/PVQC WI ext. with any exceptions noted below.

#### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

#### **Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

## Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: GCV/15740

S7: Surrogate recovery outside control limits (not confirmed by re-analysis).

- 2: 3-4 (Lab ID: 40128528006)
  - · a,a,a-Trifluorotoluene (S)

#### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

#### **Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

#### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

#### **Additional Comments:**

#### **Analyte Comments:**

QC Batch: GCV/15740

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 2: 3-4 (Lab ID: 40128528006)
  - a,a,a-Trifluorotoluene (S)

This data package has been reviewed for quality and completeness and is approved for release.



Project:

DONALD STORE

Pace Project No.:

40128528

Sample: 1:3-4

Date: 03/02/2016 08:56 AM

Lab ID: 40128528001 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix; Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units      | LOQ         | LOD         | DF      | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|------------|-------------|-------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI | MOD GRO Pr  | eparation N | /lethod | : TPH GRO/PVO  | C WI ext.      |             |      |
| Benzene                    | <100       | ug/kg      | 240         | 100         | 4       | 02/24/16 06:45 | 02/24/16 16:50 | 71-43-2     | W    |
| Ethylbenzene               | 757        | ug/kg      | 294         | 123         | 4       | 02/24/16 06:45 | 02/24/16 16:50 | 100-41-4    |      |
| Methyl-tert-butyl ether    | <100       | ug/kg      | 240         | 100         | 4       | 02/24/16 06:45 | Q2/24/16 16:50 | 1634-04-4   | W    |
| Naphthalene                | 1790       | ug/kg      | 294         | 123         | 4       | 02/24/16 06:45 | 02/24/16 16:50 | 91-20-3     |      |
| Toluene                    | 188J       | ug/kg      | 294         | 123         | 4       | 02/24/16 06:45 | 02/24/16 16:50 | 108-88-3    |      |
| Total Trimethylbenzenes    | 19700      | ug/kg      | 589         | 245         | 4       | 02/24/16 06:45 | 02/24/16 16:50 |             |      |
| 1,2,4-Trimethylbenzene     | 13100      | ug/kg      | 294         | 123         | 4       | 02/24/16 06:45 | 02/24/16 16:50 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene     | 6620       | ug/kg      | 294         | 123         | 4       | 02/24/16 06:45 | 02/24/16 16:50 | 108-67-8    |      |
| Xylene (Total)             | 5340       | ug/kg      | 883         | 368         | 4       | 02/24/16 06:45 | 02/24/16 16:50 | 1330-20-7   |      |
| m&p-Xylene                 | 3380       | ug/kg      | 589         | 245         | 4       | 02/24/16 06:45 | 02/24/16 16:50 | 179601-23-1 |      |
| o-Xylene<br>Surrogates     | 1960       | ug/kg      | 294         | 123         | 4       | 02/24/16 06:45 | 02/24/16 16:50 | 95-47-6     |      |
| a,a,a-Trifluorotoluene (S) | 106        | %          | 80-120      |             | 4       | 02/24/16 06:45 | 02/24/16 16:50 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AS | TM D2974-87 |             |         |                |                |             |      |
| Percent Moisture           | 18.5       | %          | 0.10        | 0.10        | 1       |                | 03/01/16 10:16 |             |      |
|                            |            |            |             |             |         |                |                |             |      |

Sample: 1:7-8 Lab ID: 40128528002 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                            | Results    | Units        | LOQ         | LOD         | DF      | Prepared       | Analyzed       | CAS No.               | Qual |
|---------------------------------------|------------|--------------|-------------|-------------|---------|----------------|----------------|-----------------------|------|
| WIGRO GCV                             | Analytical | Method: WI I | MOD GRO Pr  | eparation N | /lethod | : TPH GRO/PVO  | C WI ext.      |                       |      |
| Benzene                               | 185        | ug/kg        | 66.5        | 27.7        | 1       | 02/24/16 06:45 | 02/24/16 11:41 | 71-43-2               |      |
| Ethylbenzene                          | 262        | ug/kg        | 66.5        | 27.7        | 1       | 02/24/16 06:45 | 02/24/16 11:41 | 100-41 <del>-</del> 4 |      |
| Methyl-tert-butyl ether               | <25.0      | ug/kg        | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 11:41 | 1634-04-4             | W    |
| Naphthalene                           | 120        | ug/kg        | 66.5        | 27.7        | 1       | 02/24/16 06:45 | 02/24/16 11:41 | 91-20-3               |      |
| Toluene                               | 43.1J      | ug/kg        | 66.5        | 27.7        | 1       | 02/24/16 06:45 | 02/24/16 11:41 | 108-88 <b>-</b> 3     |      |
| Total Trimethylbenzenes               | 542        | ug/kg        | 133         | 55.4        | 1       | 02/24/16 06:45 | 02/24/16 11:41 |                       |      |
| 1,2,4-Trimethylbenzene                | 406        | ug/kg        | 66.5        | 27.7        | 1       | 02/24/16 06:45 | 02/24/16 11:41 | 95-63-6               |      |
| 1,3,5-Trimethylbenzene                | 136        | ug/kg        | 66.5        | 27.7        | 1       | 02/24/16 06:45 | 02/24/16 11:41 | 108-67-8              |      |
| Xylene (Total)                        | 629        | ug/kg        | 200         | 83.1        | 1       | 02/24/16 06:45 | 02/24/16 11:41 | 1330-20-7             |      |
| m&p-Xylene                            | 464        | ug/kg        | 133         | 55.4        | 1       | 02/24/16 06:45 | 02/24/16 11:41 | 179601-23-1           |      |
| o-Xylene                              | 166        | ug/kg        | 66.5        | 27.7        | 1       | 02/24/16 06:45 | 02/24/16 11:41 | 95-47-6               |      |
| Surrogates a,a,a-Trifluorotoluene (S) | 104        | %            | 80-120      |             | 1       | 02/24/16 06:45 | 02/24/16 11:41 | 98-08-8               |      |
| a,a,a-minorotolache (o)               | 104        | 70           | 00-120      |             |         | 02/24/10 00,40 | 02/24/10 11.41 | 00 00 0               |      |
| Percent Moisture                      | Analytical | Method: AST  | TM D2974-87 |             |         |                |                |                       |      |
| Percent Moisture                      | 9.8        | %            | 0.10        | 0.10        | 1       |                | 03/01/16 10:16 |                       |      |



Project:

DONALD STORE

Pace Project No.:

40128528

Sample: 1:10'

Date: 03/02/2016 08:56 AM

Lab ID: 40128528003 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results     | Units       | LOQ         | LOD         | DF     | Prepared       | Analyzed       | ÇAS No.     | Qua |
|----------------------------|-------------|-------------|-------------|-------------|--------|----------------|----------------|-------------|-----|
| WIGRO GCV                  | Analytical  | Method: WI  | MOD GRO Pi  | eparation N | 1ethoc | I: TPH GRO/PVO | C WI ext.      |             |     |
| Benzene                    | 182         | ug/kg       | 68.4        | 28.5        | 1      | 02/24/16 06:45 | 02/24/16 12:07 | 71-43-2     |     |
| Ethylbenzene               | 383         | ug/kg       | 68.4        | 28.5        | 1      | 02/24/16 06:45 | 02/24/16 12:07 | 100-41-4    |     |
| Methyl-tert-butyl ether    | <25.0       | ug/kg       | 60.0        | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 12:07 | 1634-04-4   | W   |
| Naphthalene                | 158         | ug/kg       | 68.4        | 28.5        | 1      | 02/24/16 06:45 | 02/24/16 12:07 | 91-20-3     |     |
| Toluene                    | <25.0       | ug/kg       | 60.0        | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 12:07 | 108-88-3    | W   |
| Total Trimethylbenzenes    | 621         | ug/kg       | 137         | 57.0        | 1      | 02/24/16 06:45 | 02/24/16 12:07 |             |     |
| 1,2,4-Trimethylbenzene     | 466         | ug/kg       | 68.4        | 28.5        | 1      | 02/24/16 06:45 | 02/24/16 12:07 | 95-63-6     |     |
| 1,3,5-Trimethylbenzene     | 155         | ug/kg       | 68.4        | 28.5        | 1      | 02/24/16 06:45 | 02/24/16 12:07 | 108-67-8    |     |
| Kylene (Total)             | <b>67</b> 8 | ug/kg       | 205         | 85.5        | 1      | 02/24/16 06:45 | 02/24/16 12:07 | 1330-20-7   |     |
| m&p-Xylene                 | 522         | ug/kg       | 137         | 57.0        | 1      | 02/24/16 06:45 | 02/24/16 12:07 | 179601-23-1 |     |
| o-Xylene                   | 156         | ug/kg       | 68.4        | 28.5        | 1      | 02/24/16 06:45 | 02/24/16 12:07 | 95-47-6     |     |
| Surrogates                 |             | 0 0         |             |             |        |                |                |             |     |
| a,a,a-Trifluorotoluene (S) | 103         | %           | 80-120      |             | 1      | 02/24/16 06:45 | 02/24/16 12:07 | 98-08-8     |     |
| Percent Moisture           | Analytical  | Method: AST | ΓM D2974-87 |             |        |                |                |             |     |
| Percent Moisture           | 12.3        | %           | 0.10        | 0.10        | 1      |                | 03/01/16 10:16 |             |     |

Lab ID: 40128528004 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid Sample: 1:14' Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units       | LOQ         | LOD         | DF      | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|-------------|-------------|-------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI  | MOD GRO PI  | eparation N | /lethod | : TPH GRO/PVO  | C WI ext.      |             |      |
| Benzene                    | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 12:33 | 71-43-2     | W    |
| Ethylbenzene               | 76.5       | ug/kg       | 67.1        | 28.0        | 1       | 02/24/16 06:45 | 02/24/16 12:33 | 100-41-4    |      |
| Methyl-tert-butyl ether    | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 12:33 | 1634-04-4   | W    |
| Naphthalene                | 49.6J      | ug/kg       | 67.1        | 28.0        | 1       | 02/24/16 06:45 | 02/24/16 12:33 | 91-20-3     |      |
| Toluene                    | 81.9       | ug/kg       | 67.1        | 28.0        | 1       | 02/24/16 06:45 | 02/24/16 12:33 | 108-88-3    |      |
| Total Trimethylbenzenes    | 400        | ug/kg       | 134         | 55.9        | 1       | 02/24/16 06:45 | 02/24/16 12:33 |             |      |
| 1,2,4-Trimethylbenzene     | 295        | ug/kg       | 67.1        | 28.0        | 1       | 02/24/16 06:45 | 02/24/16 12:33 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene     | 104        | ug/kg       | 67.1        | 28.0        | 1       | 02/24/16 06:45 | 02/24/16 12:33 | 108-67-8    |      |
| Xylene (Total)             | 544        | ug/kg       | 201         | 83.9        | 1       | 02/24/16 06:45 | 02/24/16 12:33 | 1330-20-7   |      |
| m&p-Xylene                 | 396        | ug/kg       | 134         | 55.9        | 1       | 02/24/16 06:45 | 02/24/16 12:33 | 179601-23-1 |      |
| o-Xylene                   | 148        | ug/kg       | 67.1        | 28.0        | 1       | 02/24/16 06:45 | 02/24/16 12:33 | 95-47-6     |      |
| Surrogates                 |            |             |             |             |         |                |                |             |      |
| a,a,a-Trifluorotoluene (S) | 103        | %           | 80-120      |             | 1       | 02/24/16 06:45 | 02/24/16 12:33 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AST | TM D2974-87 |             |         |                |                |             |      |
| Percent Moisture           | 10.6       | %           | 0.10        | 0.10        | 1       |                | 03/01/16 10:16 |             |      |



Project:

DONALD STORE

Pace Project No.:

40128528

Sample: 1:19-20

Date: 03/02/2016 08:56 AM

Lab ID: 40128528005 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                               | Results    | Units       | LOQ         | LOD         | DF     | Prepared       | Analyzed       | ÇAS No.     | Qual |
|--|------------|-------------|-------------|-------------|--------|----------------|----------------|-------------|------|
| WIGRO GCV                                | Analytical | Method: WI  | MOD GRO Pi  | eparation N | 1ethod | : TPH GRO/PVO  | C WI ext.      |             |      |
| Benzene                                  | <25.0      | ug/kg       | 60.0        | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 12:59 | 71-43-2     | W    |
| Ethylbenzene                             | <25.0      | ug/kg       | 60.0        | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 12:59 | 100-41-4    | W    |
| Methyl-tert-butyl ether                  | <25.0      | ug/kg       | 60.0        | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 12:59 | 1634-04-4   | W    |
| Naphthalene                              | <25.0      | ug/kg       | 60.0        | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 12:59 | 91-20-3     | W    |
| Toluene                                  | <25.0      | ug/kg       | 60.0        | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 12:59 | 108-88-3    | W    |
| Total Trimethylbenzenes                  | <50.0      | ug/kg       | 120         | 50.0        | 1      | 02/24/16 06:45 | 02/24/16 12:59 |             | W    |
| 1,2,4-Trimethylbenzene                   | <25.0      | ug/kg       | 60.0        | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 12:59 | 95-63-6     | W    |
| 1,3,5-Trimethylbenzene                   | <25.0      | ug/kg       | 60.0        | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 12:59 | 108-67-8    | W    |
| Xylene (Total)                           | <75.0      | ug/kg       | 180         | 75.0        | 1      | 02/24/16 06:45 | 02/24/16 12:59 | 1330-20-7   | W    |
| m&p-Xylene                               | <50.0      | ug/kg       | 120         | 50.0        | 1      | 02/24/16 06:45 | 02/24/16 12:59 | 179601-23-1 | W    |
| o-Xylene                                 | <25.0      | ug/kg       | 60.0        | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 12:59 | 95-47-6     | W    |
| Surrogates<br>a,a,a-Trifluorotoluene (S) | 102        | %           | 80-120      |             | 1      | 02/24/16 06:45 | 02/24/16 12:59 | 98-08-8     |      |
| Percent Moisture                         | Analytical | Method: AST | TM D2974-87 |             |        |                |                |             |      |
| Percent Moisture                         | 9.9        | %           | 0.10        | 0.10        | 1      |                | 03/01/16 10:17 |             |      |

Sample: 2: 3-4 Lab ID: 40128528006 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units       | LOQ         | LOD          | DF      | Prepared       | Analyzed       | CAS No.     | Qual  |
|----------------------------|------------|-------------|-------------|--------------|---------|----------------|----------------|-------------|-------|
| WIGRO GCV                  | Analytical | Method: WI  | MOD GRO P   | reparation N | /lethod | : TPH GRO/PVO  | C WI ext.      |             |       |
| Benzene                    | 282J       | ug/kg       | 355         | 148          | 5       | 02/24/16 06:45 | 02/24/16 17:41 | 71-43-2     |       |
| Ethylbenzene               | 2730       | ug/kg       | 355         | 148          | 5       | 02/24/16 06:45 | 02/24/16 17:41 | 100-41-4    |       |
| Methyl-tert-butyl ether    | <125       | ug/kg       | 300         | 125          | 5       | 02/24/16 06:45 | 02/24/16 17:41 | 1634-04-4   | W     |
| Naphthalene                | 4230       | ug/kg       | 355         | 148          | 5       | 02/24/16 06:45 | 02/24/16 17:41 | 91-20-3     |       |
| Toluene                    | 364        | ug/kg       | 355         | 148          | 5       | 02/24/16 06:45 | 02/24/16 17:41 | 108-88-3    |       |
| Total Trimethylbenzenes    | 23600      | ug/kg       | 709         | 296          | 5       | 02/24/16 06:45 | 02/24/16 17:41 |             |       |
| 1,2,4-Trimethylbenzene     | 11600      | ug/kg       | 355         | 148          | 5       | 02/24/16 06:45 | 02/24/16 17:41 | 95-63-6     |       |
| 1,3,5-Trimethylbenzene     | 12000      | ug/kg       | 355         | 148          | 5       | 02/24/16 06:45 | 02/24/16 17:41 | 108-67-8    |       |
| Xylene (Total)             | 4230       | ug/kg       | 1060        | 443          | 5       | 02/24/16 06:45 | 02/24/16 17:41 | 1330-20-7   |       |
| m&p-Xylene                 | 2940       | ug/kg       | 709         | 296          | 5       | 02/24/16 06:45 | 02/24/16 17:41 | 179601-23-1 |       |
| o-Xylene<br>Surrogates     | 1300       | ug/kg       | 355         | 148          | 5       | 02/24/16 06:45 | 02/24/16 17:41 | 95-47-6     |       |
| a,a,a-Trifluorotoluene (S) | 123        | %           | 80-120      |              | 5       | 02/24/16 06:45 | 02/24/16 17:41 | 98-08-8     | D3,S7 |
| Percent Moisture           | Analytical | Method: AST | ΓM D2974-87 |              |         |                |                |             |       |
| Percent Moisture           | 15.4       | %           | 0.10        | 0.10         | 1       |                | 03/01/16 10:17 |             |       |



Project: DONALD STORE

Pace Project No.: 40128528

Date: 03/02/2016 08:56 AM

Sample: 2: 7-8 Lab ID: 40128528007 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units       | LOQ        | LOD         | ÞЕ      | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|-------------|------------|-------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI  | MOD GRO Pr | eparation M | /lethod | : TPH GRO/PVO  | C WI ext.      |             |      |
| Benzene                    | <500       | ug/kg       | 1200       | 500         | 20      | 02/24/16 06:45 | 02/24/16 17:16 | 71-43-2     | W    |
| Ethylbenzene               | 30900      | ug/kg       | 1350       | 562         | 20      | 02/24/16 06:45 | 02/24/16 17:16 | 100-41-4    |      |
| Methyl-tert-butyl ether    | <500       | ug/kg       | 1200       | 500         | 20      | 02/24/16 06:45 | 02/24/16 17:16 | 1634-04-4   | W    |
| Naphthalene                | 18800      | ug/kg       | 1350       | 562         | 20      | 02/24/16 06:45 | 02/24/16 17:16 | 91-20-3     |      |
| Toluene                    | 1520       | ug/kg       | 1350       | 562         | 20      | 02/24/16 06:45 | 02/24/16 17:16 | 108-88-3    |      |
| Total Trimethylbenzenes    | 231000     | ug/kg       | 2700       | 1120        | 20      | 02/24/16 06:45 | 02/24/16 17:16 |             |      |
| 1,2,4-Trimethylbenzene     | 169000     | ug/kg       | 1350       | 562         | 20      | 02/24/16 06:45 | 02/24/16 17:16 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene     | 61300      | ug/kg       | 1350       | 562         | 20      | 02/24/16 06:45 | 02/24/16 17:16 | 108-67-8    |      |
| Xylene (Total)             | 160000     | ug/kg       | 4050       | 1690        | 20      | 02/24/16 06:45 | 02/24/16 17:16 | 1330-20-7   |      |
| m&p-Xylene                 | 126000     | ug/kg       | 2700       | 1120        | 20      | 02/24/16 06:45 | 02/24/16 17:16 | 179601-23-1 |      |
| o-Xylene                   | 33600      | ug/kg       | 1350       | 562         | 20      | 02/24/16 06:45 | 02/24/16 17:16 | 95-47-6     |      |
| Surrogates                 |            |             |            |             |         |                |                |             |      |
| a,a,a-Trifluorotoluene (S) | 118        | %           | 80-120     |             | 20      | 02/24/16 06:45 | 02/24/16 17:16 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AST | M D2974-87 |             |         |                |                |             |      |
| Percent Moisture           | 11.0       | %           | 0.10       | 0.10        | 1       |                | 03/01/16 10:17 |             |      |
|                            |            |             |            |             |         |                |                |             |      |

Sample: 2: 11-12 Lab ID: 40128528008 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units       | LOQ         | LOD         | DF      | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|-------------|-------------|-------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI  | MOD GRO Pr  | eparation N | /lethod | : TPH GRO/PVO  | C WI ext.      |             |      |
| Benzene                    | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 13:24 | 71-43-2     | W    |
| Ethylbenzene               | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 13:24 | 100-41-4    | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 13:24 | 1634-04-4   | W    |
| Naphthalene                | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 13:24 | 91-20-3     | W    |
| Toluene                    | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 13:24 | 108-88-3    | W    |
| Total Trimethylbenzenes    | <50.0      | ug/kg       | 120         | 50.0        | 1       | 02/24/16 06:45 | 02/24/16 13:24 |             | W    |
| 1,2,4-Trimethylbenzene     | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 13:24 | 95-63-6     | W    |
| 1,3,5-Trimethylbenzene     | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 13:24 | 108-67-8    | W    |
| Xylene (Total)             | <75.0      | ug/kg       | 180         | 75.0        | 1       | 02/24/16 06:45 | 02/24/16 13:24 | 1330-20-7   | W    |
| m&p-Xylene                 | <50.0      | ug/kg       | 120         | 50.0        | 1       | 02/24/16 06:45 | 02/24/16 13:24 | 179601-23-1 | W    |
| o-Xylene<br>Surrogates     | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 13:24 | 95-47-6     | W    |
| a,a,a-Trifluorotoluene (S) | 102        | %           | 80-120      |             | 1       | 02/24/16 06:45 | 02/24/16 13:24 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AST | TM D2974-87 |             |         |                |                |             |      |
| Percent Moisture           | 12.1       | %           | 0.10        | 0.10        | 1       |                | 03/01/16 11:05 |             |      |



Date: 03/02/2016 08:56 AM

## **ANALYTICAL RESULTS**

Project: DONALD STORE
Pace Project No.: 40128528

Sample: 2: 15-16 Lab ID: 40128528009 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units       | LOQ        | LOD         | DF     | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|-------------|------------|-------------|--------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI  | MOD GRO PI | eparation N | 1ethod | d: TPH GRO/PVO | C WI ext.      |             |      |
| Benzene                    | <25.0      | ug/kg       | 60.0       | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 13:50 | 71-43-2     | W    |
| Ethylbenzene               | <25.0      | ug/kg       | 60.0       | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 13:50 | 100-41-4    | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg       | 60.0       | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 13:50 | 1634-04-4   | W    |
| Naphthalene                | <25.0      | ug/kg       | 60.0       | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 13:50 | 91-20-3     | W    |
| Toluene                    | <25.0      | ug/kg       | 60.0       | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 13:50 | 108-88-3    | W    |
| Total Trimethylbenzenes    | <50.0      | ug/kg       | 120        | 50.0        | 1      | 02/24/16 06:45 | 02/24/16 13:50 |             | W    |
| 1,2,4-Trimethylbenzene     | <25.0      | ug/kg       | 60.0       | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 13:50 | 95-63-6     | W    |
| 1,3,5-Trimethylbenzene     | <25.0      | ug/kg       | 60.0       | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 13:50 | 108-67-8    | W    |
| Xylene (Total)             | <75.0      | ug/kg       | 180        | 75.0        | 1      | 02/24/16 06:45 | 02/24/16 13:50 | 1330-20-7   | W    |
| m&p-Xylene                 | <50.0      | ug/kg       | 120        | 50.0        | 1      | 02/24/16 06:45 | 02/24/16 13:50 | 179601-23-1 | W    |
| o-Xylene                   | <25.0      | ug/kg       | 60.0       | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 13:50 | 95-47-6     | W    |
| Surrogates                 |            |             |            |             |        |                |                |             |      |
| a,a,a-Trifluorotoluene (S) | 102        | %           | 80-120     |             | 1      | 02/24/16 06:45 | 02/24/16 13:50 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AST | M D2974-87 |             |        |                |                |             |      |
| Percent Moisture           | 11.0       | %           | 0.10       | 0.10        | 1      |                | 03/01/16 11:05 |             |      |

Sample: 3: 3-4 Lab ID: 40128528010 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units      | LOQ         | LOD         | DF      | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|------------|-------------|-------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI | MOD GRO Pr  | eparation N | /lethod | I: TPH GRO/PVO | C WI ext.      |             |      |
| Benzene                    | <25.0      | ug/kg      | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 14:16 | 71-43-2     | W    |
| Ethylbenzene               | <25.0      | ug/kg      | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 14:16 | 100-41-4    | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg      | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 14:16 | 1634-04-4   | W    |
| Naphthalene                | <25.0      | ug/kg      | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 14:16 | 91-20-3     | W    |
| Toluene                    | <25.0      | ug/kg      | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 14:16 | 108-88-3    | W    |
| Total Trimethylbenzenes    | <50.0      | ug/kg      | 120         | 50.0        | 1       | 02/24/16 06:45 | 02/24/16 14:16 |             | W    |
| 1,2,4-Trimethylbenzene     | <25.0      | ug/kg      | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 14:16 | 95-63-6     | W    |
| 1,3,5-Trimethylbenzene     | <25.0      | ug/kg      | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 14:16 | 108-67-8    | W    |
| Xylene (Total)             | <75.0      | ug/kg      | 180         | 75.0        | 1       | 02/24/16 06:45 | 02/24/16 14:16 | 1330-20-7   | W    |
| m&p-Xylene                 | <50.0      | ug/kg      | 120         | 50.0        | 1       | 02/24/16 06:45 | 02/24/16 14:16 | 179601-23-1 | W    |
| o-Xylene                   | <25.0      | ug/kg      | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 14:16 | 95-47-6     | W    |
| Surrogates                 |            |            |             |             |         |                |                |             |      |
| a,a,a-Trifluorotoluene (S) | 101        | %          | 80-120      |             | 1       | 02/24/16 06:45 | 02/24/16 14:16 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AS | ΓM D2974-87 |             |         |                |                |             |      |
| Percent Moisture           | 18.8       | %          | 0.10        | 0.10        | 1       |                | 03/01/16 11:05 |             |      |



Project:

DONALD STORE

Pace Project No.:

Date: 03/02/2016 08:56 AM

40128528

Sample: 3: 7-8

Lab ID: 40128528011

Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units       | LOQ        | LOD         | DF     | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|-------------|------------|-------------|--------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI  | MOD GRO Pr | eparation N | Method | : TPH GRQ/PVO  | C WI ext.      |             |      |
| Benzene                    | <25.0      | ug/kg       | 60.0       | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 14:41 | 71-43-2     | W    |
| Ethylbenzene               | <25.0      | ug/kg       | 60.0       | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 14:41 | 100-41-4    | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg       | 60.0       | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 14:41 | 1634-04-4   | W    |
| Naphthalene                | <25.0      | ug/kg       | 60.0       | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 14:41 | 91-20-3     | W    |
| Toluene                    | <25.0      | ug/kg       | 60.0       | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 14:41 | 108-88-3    | W    |
| Total Trimethylbenzenes    | <50.0      | ug/kg       | 120        | 50.0        | 1      | 02/24/16 06:45 | 02/24/16 14:41 |             | W    |
| 1,2,4-Trimethylbenzene     | <25.0      | ug/kg       | 60.0       | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 14:41 | 95-63-6     | W    |
| 1,3,5-Trimethylbenzene     | <25.0      | ug/kg       | 60.0       | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 14:41 | 108-67-8    | W    |
| Xylene (Total)             | <75.0      | ug/kg       | 180        | 75.0        | 1      | 02/24/16 06:45 | 02/24/16 14:41 | 1330-20-7   | W    |
| m&p-Xylene                 | <50.0      | ug/kg       | 120        | 50.0        | 1      | 02/24/16 06:45 | 02/24/16 14:41 | 179601-23-1 | W    |
| o-Xylene<br>Surrogates     | <25.0      | ug/kg       | 60.0       | 25.0        | 1      | 02/24/16 06:45 | 02/24/16 14:41 | 95-47-6     | W    |
| a,a,a-Trifluorotoluene (S) | 102        | %           | 80-120     |             | 1      | 02/24/16 06:45 | 02/24/16 14:41 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AST | M D2974-87 |             |        |                |                |             |      |
| Percent Moisture           | 10.6       | %           | 0.10       | 0.10        | 1      |                | 03/01/16 11:05 |             |      |
|                            |            |             |            |             |        |                |                |             |      |

Sample: 3:11-12 Lab ID: 40128528012 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units      | LOQ         | LOD          | DF      | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|------------|-------------|--------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI | MOD GRO PI  | reparation N | /lethod | : TPH GRO/PVO  | C WI ext.      |             |      |
| Benzene                    | <25.0      | ug/kg      | 60.0        | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 15:07 | 71-43-2     | W    |
| Ethylbenzene               | <25.0      | ug/kg      | 60.0        | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 15:07 | 100-41-4    | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg      | 60.0        | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 15:07 | 1634-04-4   | W    |
| Naphthalene                | <25.0      | ug/kg      | 60.0        | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 15:07 | 91-20-3     | W    |
| Toluene                    | <25.0      | ug/kg      | 60.0        | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 15:07 | 108-88-3    | W    |
| Total Trimethylbenzenes    | <50.0      | ug/kg      | 120         | 50.0         | 1       | 02/24/16 06:45 | 02/24/16 15:07 |             | W    |
| 1,2,4-Trimethylbenzene     | <25.0      | ug/kg      | 60.0        | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 15:07 | 95-63-6     | W    |
| 1,3,5-Trimethylbenzene     | <25.0      | ug/kg      | 60.0        | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 15:07 | 108-67-8    | W    |
| Xylene (Total)             | <75.0      | ug/kg      | 180         | 75.0         | 1       | 02/24/16 06:45 | 02/24/16 15:07 | 1330-20-7   | W    |
| m&p-Xylene                 | <50.0      | ug/kg      | 120         | 50.0         | 1       | 02/24/16 06:45 | 02/24/16 15:07 | 179601-23-1 | W    |
| o-Xylene<br>Surrogates     | <25.0      | ug/kg      | 60.0        | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 15:07 | 95-47-6     | W    |
| a,a,a-Trifluorotoluene (S) | 101        | %          | 80-120      |              | 1       | 02/24/16 06:45 | 02/24/16 15:07 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AS | ΓM D2974-87 |              |         |                |                |             |      |
| Percent Moisture           | 11.5       | %          | 0.10        | 0.10         | 1       |                | 03/01/16 11:05 |             |      |



Project: DONALD STORE

Pace Project No.: 40128528

Date: 03/02/2016 08:56AM

Sample: 4: 3-4 Lab ID: 40128528013 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units       | LOQ         | LOD         | DF      | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|-------------|-------------|-------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI  | MOD GRO Pr  | eparation N | /lethod | d: TPH GRO/PVO | C WI ext.      |             |      |
| Benzene                    | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 15:33 | 71-43-2     | W    |
| Ethylbenzene               | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 15:33 | 100-41-4    | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 15:33 | 1634-04-4   | W    |
| Naphthalene                | 42.2J      | ug/kg       | 74.6        | 31.1        | 1       | 02/24/16 06:45 | 02/24/16 15:33 | 91-20-3     |      |
| Toluene                    | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 15:33 | 108-88-3    | W    |
| Total Trimethylbenzenes    | 459        | ug/kg       | 149         | 62.2        | 1       | 02/24/16 06:45 | 02/24/16 15:33 |             |      |
| 1,2,4-Trimethylbenzene     | 238        | ug/kg       | 74.6        | 31.1        | 1       | 02/24/16 06:45 | 02/24/16 15:33 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene     | 221        | ug/kg       | 74.6        | 31.1        | 1       | 02/24/16 06:45 | 02/24/16 15:33 | 108-67-8    |      |
| Xylene (Total)             | <75.0      | ug/kg       | 180         | 75.0        | 1       | 02/24/16 06:45 | 02/24/16 15:33 | 1330-20-7   | W    |
| m&p-Xylene                 | 70.7J      | ug/kg       | 149         | 62.2        | 1       | 02/24/16 06:45 | 02/24/16 15:33 | 179601-23-1 |      |
| o-Xylene                   | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 15:33 | 95-47-6     | W    |
| Surrogates                 |            |             |             |             |         |                |                |             |      |
| a,a,a-Trifluorotoluene (S) | 102        | %           | 80-120      |             | 1       | 02/24/16 06:45 | 02/24/16 15:33 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AST | TM D2974-87 |             |         |                |                |             |      |
| Percent Moisture           | 19.6       | %           | 0.10        | 0.10        | 1       |                | 03/01/16 11:05 |             |      |

Sample: 4: 7-8 Lab ID: 40128528014 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                    | Results    | Units       | LOQ        | LOD         | DF      | Prepared       | Analyzed       | CAS No.     | Qual |
|-------------------------------|------------|-------------|------------|-------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                     | Analytical | Method: WI  | MOD GRO Pr | eparation N | /lethod | : TPH GRO/PVO  | C WI ext.      |             |      |
| Benzene                       | <25.0      | ug/kg       | 60.0       | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 19:24 | 71-43-2     | W    |
| Ethylbenzene                  | <25.0      | ug/kg       | 60.0       | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 19:24 | 100-41-4    | W    |
| Methyl-tert-butyl ether       | <25.0      | ug/kg       | 60.0       | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 19:24 | 1634-04-4   | W    |
| Naphthalene                   | <25.0      | ug/kg       | 60.0       | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 19:24 | 91-20-3     | W    |
| Toluene                       | <25.0      | ug/kg       | 60.0       | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 19:24 | 108-88-3    | W    |
| Total Trimethylbenzenes       | <50.0      | ug/kg       | 120        | 50.0        | 1       | 02/24/16 06:45 | 02/24/16 19:24 |             | W    |
| 1,2,4-Trimethylbenzene        | <25.0      | ug/kg       | 60.0       | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 19:24 | 95-63-6     | W    |
| 1,3,5-Trimethylbenzene        | <25.0      | ug/kg       | 60.0       | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 19:24 | 108-67-8    | W    |
| Xylene (Total)                | <75.0      | ug/kg       | 180        | 75.0        | 1       | 02/24/16 06:45 | 02/24/16 19:24 | 1330-20-7   | W    |
| m&p-Xylene                    | <50.0      | ug/kg       | 120        | 50.0        | 1       | 02/24/16 06:45 | 02/24/16 19:24 | 179601-23-1 | W    |
| o-Xylene<br><i>Surrogates</i> | <25.0      | ug/kg       | 60.0       | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 19:24 | 95-47-6     | W    |
| a,a,a-Trifluorotoluene (S)    | 102        | %           | 80-120     |             | 1       | 02/24/16 06:45 | 02/24/16 19:24 | 98-08-8     |      |
| Percent Moisture              | Analytical | Method: AST | M D2974-87 |             |         |                |                |             |      |
| Percent Moisture              | 9.8        | %           | 0.10       | 0.10        | 1       |                | 03/01/16 11:05 |             |      |



Project:

DONALD STORE

Pace Project No.:

40128528

Sample: 4: 11-12

Date: 03/02/2016 08:56AM

Lab ID: 40128528015 Collected: 02/18/16 00:00 Received: 02/23/16 07:20

Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units       | LOQ         | LOD         | DF      | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|-------------|-------------|-------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI  | MOD GRO PI  | eparation N | /lethod | l: TPH GRO/PVO | CWI ext.       |             |      |
| Benzene                    | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 19:50 | 71-43-2     | W    |
| Ethylbenzene               | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 19:50 | 100-41-4    | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 19:50 | 1634-04-4   | W    |
| Naphthalene                | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 19:50 | 91-20-3     | W    |
| Toluene                    | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 19:50 | 108-88-3    | W    |
| Total Trimethylbenzenes    | <50.0      | ug/kg       | 120         | 50.0        | 1       | 02/24/16 06:45 | 02/24/16 19:50 |             | W    |
| 1,2,4-Trimethylbenzene     | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 19:50 | 95-63-6     | W    |
| 1,3,5-Trimethylbenzene     | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 19:50 | 108-67-8    | W    |
| Xylene (Total)             | <75.0      | ug/kg       | 180         | 75.0        | 1       | 02/24/16 06:45 | 02/24/16 19:50 | 1330-20-7   | W    |
| m&p-Xylene                 | <50.0      | ug/kg       | 120         | 50.0        | 1       | 02/24/16 06:45 | 02/24/16 19:50 | 179601-23-1 | W    |
| o-Xylene<br>Surrogates     | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 19:50 | 95-47-6     | W    |
| a,a,a-Trifluorotoluene (S) | 101        | %           | 80-120      |             | 1       | 02/24/16 06:45 | 02/24/16 19:50 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AST | TM D2974-87 |             |         |                |                |             |      |
| Percent Moisture           | 9.8        | %           | 0.10        | 0.10        | 1       |                | 03/01/16 11:06 |             |      |

Sample: 5: 3-4 Lab ID: 40128528016 Collected: 02/18/16 00:00 Received: 02/23/16 07:20

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units       | LOQ        | LOD          | DF      | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|-------------|------------|--------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI  | MOD GRO PI | reparation N | /lethod | : TPH GRO/PVO  | C WI ext.      |             |      |
| Benzene                    | <25.0      | ug/kg       | 60.0       | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 20:16 | 71-43-2     | W    |
| Ethylbenzene               | <25.0      | ug/kg       | 60.0       | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 20:16 | 100-41-4    | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg       | 60.0       | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 20:16 | 1634-04-4   | W    |
| Naphthalene                | <25.0      | ug/kg       | 60.0       | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 20:16 | 91-20-3     | W    |
| Toluene                    | <25.0      | ug/kg       | 60.0       | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 20:16 | 108-88-3    | W    |
| Total Trimethylbenzenes    | <50.0      | ug/kg       | 120        | 50.0         | 1       | 02/24/16 06:45 | 02/24/16 20:16 |             | W    |
| 1,2,4-Trimethylbenzene     | <25.0      | ug/kg       | 60.0       | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 20:16 | 95-63-6     | W    |
| 1,3,5-Trimethylbenzene     | <25.0      | ug/kg       | 60.0       | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 20:16 | 108-67-8    | W    |
| Xylene (Total)             | <75.0      | ug/kg       | 180        | 75.0         | 1       | 02/24/16 06:45 | 02/24/16 20:16 | 1330-20-7   | W    |
| m&p-Xylene                 | <50.0      | ug/kg       | 120        | 50.0         | 1       | 02/24/16 06:45 | 02/24/16 20:16 | 179601-23-1 | W    |
| o-Xylene                   | <25.0      | ug/kg       | 60.0       | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 20:16 | 95-47-6     | W    |
| Surrogates                 |            |             |            |              |         |                |                |             |      |
| a,a,a-Trifluorotoluene (S) | 102        | %           | 80-120     |              | 1       | 02/24/16 06:45 | 02/24/16 20:16 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AST | M D2974-87 |              |         |                |                |             |      |
| Percent Moisture           | 17.0       | %           | 0.10       | 0.10         | 1       |                | 03/01/16 11:06 |             |      |



Project:

DONALD STORE

Pace Project No.:

40128528

Sample: 5: 7-8

Date: 03/02/2016 08:56 AM

Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units       | LOQ         | LOD         | DF      | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|-------------|-------------|-------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI  | MOD GRO Pr  | eparation N | /lethod | t: TPH GRO/PVO | C WI ext.      |             |      |
| Benzene                    | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 20:41 | 71-43-2     | W    |
| Ethylbenzene               | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 20:41 | 100-41-4    | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 20:41 | 1634-04-4   | W    |
| Naphthalene                | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 20:41 | 91-20-3     | W    |
| Toluene                    | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 20:41 | 108-88-3    | W    |
| Total Trimethylbenzenes    | <50.0      | ug/kg       | 120         | 50.0        | 1       | 02/24/16 06:45 | 02/24/16 20:41 |             | W    |
| 1,2,4-Trimethylbenzene     | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 20:41 | 95-63-6     | W    |
| 1,3,5-Trimethylbenzene     | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 20:41 | 108-67-8    | W    |
| Xylene (Total)             | <75.0      | ug/kg       | 180         | 75.0        | 1       | 02/24/16 06:45 | 02/24/16 20:41 | 1330-20-7   | W    |
| m&p-Xylene                 | <50.0      | ug/kg       | 120         | 50.0        | 1       | 02/24/16 06:45 | 02/24/16 20:41 | 179601-23-1 | W    |
| o-Xylene                   | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 20:41 | 95-47-6     | W    |
| Surrogates                 |            |             |             |             |         |                |                |             |      |
| a,a,a-Trifluorotoluene (S) | 101        | %           | 80-120      |             | 1       | 02/24/16 06:45 | 02/24/16 20:41 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AST | ΓM D2974-87 |             |         |                |                |             |      |
| Percent Moisture           | 9.6        | %           | 0.10        | 0.10        | 1       |                | 03/01/16 11:06 |             |      |

Lab ID: 40128528018 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Sample: 5: 11-12

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units      | LOQ         | LOD          | ÐΕ      | Prepared       | Analyzed       | ÇAS No.     | Qual |
|----------------------------|------------|------------|-------------|--------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI | MOD GRO P   | reparation N | /lethod | : TPH GRO/PVO  | C WI ext.      | •           |      |
| Benzene                    | <25.0      | ug/kg      | 60.0        | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 21:07 | 71-43-2     | W    |
| Ethylbenzene               | <25.0      | ug/kg      | 60.0        | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 21:07 | 100-41-4    | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg      | 60.0        | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 21:07 | 1634-04-4   | W    |
| Naphthalene                | <25.0      | ug/kg      | 60.0        | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 21:07 | 91-20-3     | W    |
| Toluene                    | <25.0      | ug/kg      | 60.0        | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 21:07 | 108-88-3    | W    |
| Total Trimethylbenzenes    | <50.0      | ug/kg      | 120         | 50.0         | 1       | 02/24/16 06:45 | 02/24/16 21:07 |             | W    |
| 1,2,4-Trimethylbenzene     | <25.0      | ug/kg      | 60.0        | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 21:07 | 95-63-6     | W    |
| 1,3,5-Trimethylbenzene     | <25.0      | ug/kg      | 60.0        | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 21:07 | 108-67-8    | W    |
| Xylene (Total)             | <75.0      | ug/kg      | 180         | 75.0         | 1       | 02/24/16 06:45 | 02/24/16 21:07 | 1330-20-7   | W    |
| m&p-Xylene                 | <50.0      | ug/kg      | 120         | 50.0         | 1       | 02/24/16 06:45 | 02/24/16 21:07 | 179601-23-1 | W    |
| o-Xylene                   | <25.0      | ug/kg      | 60.0        | 25.0         | 1       | 02/24/16 06:45 | 02/24/16 21:07 | 95-47-6     | W    |
| Surrogates                 |            |            |             |              |         |                |                |             |      |
| a,a,a-Trifluorotoluene (S) | 101        | %          | 80-120      |              | 1       | 02/24/16 06:45 | 02/24/16 21:07 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AS | TM D2974-87 |              |         |                |                |             |      |
| Percent Moisture           | 11.2       | %          | 0.10        | 0.10         | 1       |                | 02/25/16 17:02 |             |      |



Date: 03/02/2016 08:56 AM

## **ANALYTICAL RESULTS**

Project: DONALD STORE
Pace Project No.: 40128528

Sample: 6: 3-4 Lab ID: 40128528019 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units       | LOQ         | LOD         | DF      | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|-------------|-------------|-------------|---------|----------------|----------------|-------------|------|
| VIGRO GCV                  | Analytical | Method: WI  | MOD GRO Pr  | eparation N | /lethod | d: TPH GRO/PVO | C WI ext.      |             |      |
| Benzene                    | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 21:33 | 71-43-2     | W    |
| Ethylbenzene               | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 21:33 | 100-41-4    | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 21:33 | 1634-04-4   | W    |
| laphthalene                | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 21:33 | 91-20-3     | W    |
| oluene                     | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 21:33 | 108-88-3    | W    |
| otal Trimethylbenzenes     | <50.0      | ug/kg       | 120         | 50.0        | 1       | 02/24/16 06:45 | 02/24/16 21:33 |             | W    |
| ,2,4-Trimethylbenzene      | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 21:33 | 95-63-6     | W    |
| ,3,5-Trimethylbenzene      | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 21:33 | 108-67-8    | W    |
| (ylene (Total)             | <75.0      | ug/kg       | 180         | 75.0        | 1       | 02/24/16 06:45 | 02/24/16 21:33 | 1330-20-7   | W    |
| n&p-Xylene                 | <50.0      | ug/kg       | 120         | 50.0        | 1       | 02/24/16 06:45 | 02/24/16 21:33 | 179601-23-1 | W    |
| -Xylene<br>Surrogates      | <25.0      | ug/kg       | 60.0        | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 21:33 | 95-47-6     | W    |
| i,a,a-Trifluorotoluene (S) | 102        | %           | 80-120      |             | 1       | 02/24/16 06:45 | 02/24/16 21:33 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AST | ΓM D2974-87 |             |         |                |                |             |      |
| Percent Moisture           | 7.1        | %           | 0.10        | 0.10        | 1       |                | 02/25/16 17:02 |             |      |
| Percent Moisture           | 7.1        | %           | 0.10        | 0.10        | 1       |                | 02/25/16 17:02 |             |      |

Sample: 6: 7-8 Lab ID: 40128528020 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Ųnits       | LOQ        | LOD         | DF      | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|-------------|------------|-------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI  | MOD GRO Pr | eparation N | /lethod | : TPH GRO/PVO  | C WI ext.      |             |      |
| Benzene                    | <25.0      | ug/kg       | 60.0       | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 21:58 | 71-43-2     | W    |
| Ethylbenzene               | <25.0      | ug/kg       | 60.0       | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 21:58 | 100-41-4    | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg       | 60.0       | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 21:58 | 1634-04-4   | W    |
| Naphthalene                | <25.0      | ug/kg       | 60.0       | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 21:58 | 91-20-3     | W    |
| Toluene                    | <25.0      | ug/kg       | 60.0       | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 21:58 | 108-88-3    | W    |
| Total Trimethylbenzenes    | <50.0      | ug/kg       | 120        | 50.0        | 1       | 02/24/16 06:45 | 02/24/16 21:58 |             | W    |
| 1,2,4-Trimethylbenzene     | <25.0      | ug/kg       | 60.0       | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 21:58 | 95-63-6     | W    |
| 1,3,5-Trimethylbenzene     | <25.0      | ug/kg       | 60.0       | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 21:58 | 108-67-8    | W    |
| Xylene (Total)             | <75.0      | ug/kg       | 180        | 75.0        | 1       | 02/24/16 06:45 | 02/24/16 21:58 | 1330-20-7   | W    |
| m&p-Xylene                 | <50.0      | ug/kg       | 120        | 50.0        | 1       | 02/24/16 06:45 | 02/24/16 21:58 | 179601-23-1 | W    |
| o-Xylene                   | <25.0      | ug/kg       | 60.0       | 25.0        | 1       | 02/24/16 06:45 | 02/24/16 21:58 | 95-47-6     | W    |
| Surrogates                 |            |             |            |             |         |                |                |             |      |
| a,a,a-Trifluorotoluene (S) | 102        | %           | 80-120     |             | 1       | 02/24/16 06:45 | 02/24/16 21:58 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AST | M D2974-87 |             |         |                |                |             |      |
| Percent Moisture           | 7.1        | %           | 0.10       | 0.10        | 1       |                | 02/25/16 17:02 |             |      |



Date: 03/02/2016 08:56AM

# **ANALYTICAL RESULTS**

Project: DONALD STORE
Pace Project No.: 40128528

Sample: 6: 11-12 Lab ID: 40128528021 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units       | LOQ        | LOD         | DF      | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|-------------|------------|-------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI  | MOD GRO Pr | eparation N | /lethod | : TPH GRO/PVO  | C WI ext.      |             |      |
| Benzene                    | <25.0      | ug/kg       | 50.0       | 25.0        | 1       | 02/29/16 06:20 | 02/29/16 11:29 | 71-43-2     | W    |
| Ethylbenzene               | <25.0      | ug/kg       | 50.0       | 25.0        | 1       | 02/29/16 06:20 | 02/29/16 11:29 | 100-41-4    | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg       | 50.0       | 25.0        | 1       | 02/29/16 06:20 | 02/29/16 11:29 | 1634-04-4   | W    |
| Naphthalene                | <25.0      | ug/kg       | 50.0       | 25.0        | 1       | 02/29/16 06:20 | 02/29/16 11:29 | 91-20-3     | W    |
| Toluene                    | <25.0      | ug/kg       | 50.0       | 25.0        | 1       | 02/29/16 06:20 | 02/29/16 11:29 | 108-88-3    | W    |
| Total Trimethylbenzenes    | <50.0      | ug/kg       | 100        | 50.0        | 1       | 02/29/16 06:20 | 02/29/16 11:29 |             | W    |
| 1,2,4-Trimethylbenzene     | <25.0      | ug/kg       | 50.0       | 25.0        | 1       | 02/29/16 06:20 | 02/29/16 11:29 | 95-63-6     | W    |
| 1,3,5-Trimethylbenzene     | <25.0      | ug/kg       | 50.0       | 25.0        | 1       | 02/29/16 06:20 | 02/29/16 11:29 | 108-67-8    | W    |
| Xylene (Total)             | <75.0      | ug/kg       | 150        | 75.0        | 1       | 02/29/16 06:20 | 02/29/16 11:29 | 1330-20-7   | W    |
| m&p-Xylene                 | <50.0      | ug/kg       | 100        | 50.0        | 1       | 02/29/16 06:20 | 02/29/16 11:29 | 179601-23-1 | W    |
| o-Xylene                   | <25.0      | ug/kg       | 50.0       | 25.0        | 1       | 02/29/16 06:20 | 02/29/16 11:29 | 95-47-6     | W    |
| Surrogates                 |            |             |            |             |         |                |                |             |      |
| a,a,a-Trifluorotoluene (S) | 103        | %           | 80-120     |             | 1       | 02/29/16 06:20 | 02/29/16 11:29 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AST | M D2974-87 |             |         |                |                |             |      |
| Percent Moisture           | 27.5       | %           | 0.10       | 0.10        | 1       |                | 02/25/16 17:02 |             |      |

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units       | LOQ         | LOD          | DF      | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|-------------|-------------|--------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI  | MOD GRO Pr  | reparation N | /lethod | : TPH GRO/PVO  | C WI ext.      |             |      |
| Benzene                    | <25.0      | ug/kg       | 50.0        | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 11:54 | 71-43-2     | W    |
| Ethylbenzene               | <25.0      | ug/kg       | 50.0        | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 11:54 | 100-41-4    | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg       | 50.0        | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 11:54 | 1634-04-4   | W    |
| Naphthalene                | <25.0      | ug/kg       | 50.0        | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 11:54 | 91-20-3     | W    |
| Toluene                    | <25.0      | ug/kg       | 50.0        | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 11:54 | 108-88-3    | W    |
| Total Trimethylbenzenes    | <50.0      | ug/kg       | 100         | 50.0         | 1       | 02/29/16 06:20 | 02/29/16 11:54 |             | W    |
| 1,2,4-Trimethylbenzene     | <25.0      | ug/kg       | 50.0        | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 11:54 | 95-63-6     | W    |
| 1,3,5-Trimethylbenzene     | <25.0      | ug/kg       | 50.0        | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 11:54 | 108-67-8    | W    |
| Xylene (Total)             | <75.0      | ug/kg       | 150         | 75.0         | 1       | 02/29/16 06:20 | 02/29/16 11:54 | 1330-20-7   | W    |
| m&p-Xylene                 | <50.0      | ug/kg       | 100         | 50.0         | 1       | 02/29/16 06:20 | 02/29/16 11:54 | 179601-23-1 | W    |
| o-Xylene<br>Surrogates     | <25.0      | ug/kg       | 50.0        | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 11:54 | 95-47-6     | W    |
| a,a,a-Trifluorotoluene (S) | 102        | %           | 80-120      |              | 1       | 02/29/16 06:20 | 02/29/16 11:54 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AST | TM D2974-87 |              |         |                |                |             |      |
| Percent Moisture           | 22.0       | %           | 0.10        | 0.10         | 1       |                | 02/25/16 17:03 |             |      |



Project:

DONALD STORE

Pace Project No.:

40128528

Sample: MW1: 3-4

Date: 03/02/2016 08:56AM

Lab ID: 40128528023

Collected: 02/18/16 00:00 Received: 02/23/16 07:20

Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units       | LOQ        | LOD          | DF      | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|-------------|------------|--------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI  | MOD GRO PI | reparation N | /lethod | : TPH GRO/PVO  | C WI ext.      |             |      |
| Benzene                    | <25.0      | ug/kg       | 50.0       | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 12:20 | 71-43-2     | W    |
| Ethylbenzene               | <25.0      | ug/kg       | 50.0       | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 12:20 | 100-41-4    | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg       | 50.0       | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 12:20 | 1634-04-4   | W    |
| Naphthalene                | <25.0      | ug/kg       | 50.0       | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 12:20 | 91-20-3     | W    |
| Toluene                    | <25.0      | ug/kg       | 50.0       | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 12:20 | 108-88-3    | W    |
| Total Trimethylbenzenes    | <50.0      | ug/kg       | 100        | 50.0         | 1       | 02/29/16 06:20 | 02/29/16 12:20 |             | W    |
| 1,2,4-Trimethylbenzene     | <25.0      | ug/kg       | 50.0       | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 12:20 | 95-63-6     | W    |
| 1,3,5-Trimethylbenzene     | <25.0      | ug/kg       | 50.0       | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 12:20 | 108-67-8    | W    |
| Xylene (Total)             | <75.0      | ug/kg       | 150        | 75.0         | 1       | 02/29/16 06:20 | 02/29/16 12:20 | 1330-20-7   | W    |
| m&p-Xylene                 | <50.0      | ug/kg       | 100        | 50.0         | 1       | 02/29/16 06:20 | 02/29/16 12:20 | 179601-23-1 | W    |
| o-Xylene                   | <25.0      | ug/kg       | 50.0       | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 12:20 | 95-47-6     | W    |
| Surrogates                 |            |             |            |              |         |                |                |             |      |
| a,a,a-Trifluorotoluene (S) | 103        | %           | 80-120     |              | 1       | 02/29/16 06:20 | 02/29/16 12:20 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AST | M D2974-87 |              |         |                | •              |             |      |
| Percent Moisture           | 18.6       | %           | 0.10       | 0.10         | 1       |                | 02/25/16 17:03 |             |      |
|                            |            |             |            |              |         |                |                |             |      |

Sample: MW1: 7-8 Lab ID: 40128528024 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units      | LOQ         | LOD          | DF      | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------|------------|------------|-------------|--------------|---------|----------------|----------------|-------------|------|
| WIGRO GCV                  | Analytical | Method: WI | MOD GRO P   | reparation N | /lethod | I: TPH GRO/PVO | C WI ext.      |             |      |
| Benzene                    | <25.0      | ug/kg      | 50.0        | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 12:46 | 71-43-2     | W    |
| Ethylbenzene               | <25.0      | ug/kg      | 50.0        | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 12:46 | 100-41-4    | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg      | 50.0        | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 12:46 | 1634-04-4   | W    |
| Naphthalene                | <25.0      | ug/kg      | 50.0        | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 12:46 | 91-20-3     | W    |
| Toluene                    | <25.0      | ug/kg      | 50.0        | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 12:46 | 108-88-3    | W    |
| Total Trimethylbenzenes    | <50.0      | ug/kg      | 100         | 50.0         | 1       | 02/29/16 06:20 | 02/29/16 12:46 |             | W    |
| 1,2,4-Trimethylbenzene     | <25.0      | ug/kg      | 50.0        | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 12:46 | 95-63-6     | W    |
| 1,3,5-Trimethylbenzene     | <25.0      | ug/kg      | 50.0        | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 12:46 | 108-67-8    | W    |
| Xylene (Total)             | <75.0      | ug/kg      | 150         | 75.0         | 1       | 02/29/16 06:20 | 02/29/16 12:46 | 1330-20-7   | W    |
| m&p-Xylene                 | <50.0      | ug/kg      | 100         | 50.0         | 1       | 02/29/16 06:20 | 02/29/16 12:46 | 179601-23-1 | W    |
| o-Xylene                   | <25.0      | ug/kg      | 50.0        | 25.0         | 1       | 02/29/16 06:20 | 02/29/16 12:46 | 95-47-6     | W    |
| Surrogates                 |            |            |             |              |         |                |                |             |      |
| a,a,a-Trifluorotoluene (S) | 104        | %          | 80-120      |              | 1       | 02/29/16 06:20 | 02/29/16 12:46 | 98-08-8     |      |
| Percent Moisture           | Analytical | Method: AS | TM D2974-87 |              |         |                |                |             |      |
| Percent Moisture           | 20.8       | %          | 0.10        | 0.10         | 1       |                | 02/25/16 17:03 |             |      |



Date: 03/02/2016 08:56 AM

# **ANALYTICAL RESULTS**

Project: DONALD STORE
Pace Project No.: 40128528

Sample: MW1: 11-12 Lab ID: 40128528025 Collected: 02/18/16 00:00 Received: 02/23/16 07:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

| Parameters                 | Results    | Units       | LOQ         | LOD          | DF     | Prepared       | Analyzed       | CAS No.          | Qual |
|----------------------------|------------|-------------|-------------|--------------|--------|----------------|----------------|------------------|------|
| WIGRO GCV                  | Analytical | Method: WI  | MOD GRO Pi  | reparation N | 1ethod | : TPH GRO/PVO  | C WI ext.      |                  |      |
| Benzene                    | <25.0      | ug/kg       | 50.0        | 25.0         | 1      | 02/29/16 06:20 | 02/29/16 13:12 | 71-43-2          | W    |
| Ethylbenzene               | <25.0      | ug/kg       | 50.0        | 25.0         | 1      | 02/29/16 06:20 | 02/29/16 13:12 | 100-41-4         | W    |
| Methyl-tert-butyl ether    | <25.0      | ug/kg       | 50.0        | 25.0         | 1      | 02/29/16 06:20 | 02/29/16 13:12 | 1634-04-4        | W    |
| Naphthalene                | <25.0      | ug/kg       | 50.0        | 25.0         | 1      | 02/29/16 06:20 | 02/29/16 13:12 | 91-20 <b>-</b> 3 | W    |
| Toluene                    | <25.0      | ug/kg       | 50.0        | 25.0         | 1      | 02/29/16 06:20 | 02/29/16 13:12 | 108-88-3         | W    |
| Total Trimethylbenzenes    | <50.0      | ug/kg       | 100         | 50.0         | 1      | 02/29/16 06:20 | 02/29/16 13:12 |                  | W    |
| 1,2,4-Trimethylbenzene     | <25.0      | ug/kg       | 50.0        | 25.0         | 1      | 02/29/16 06:20 | 02/29/16 13:12 | 95-63-6          | W    |
| 1,3,5-Trimethylbenzene     | <25.0      | ug/kg       | 50.0        | 25.0         | 1      | 02/29/16 06:20 | 02/29/16 13:12 | 108-67-8         | W    |
| Xylene (Total)             | <75.0      | ug/kg       | 150         | 75.0         | 1      | 02/29/16 06:20 | 02/29/16 13:12 | 1330-20-7        | W    |
| m&p-Xylene                 | <50.0      | ug/kg       | 100         | 50.0         | 1      | 02/29/16 06:20 | 02/29/16 13:12 | 179601-23-1      | W    |
| o-Xylene<br>Surrogates     | <25.0      | ug/kg       | 50.0        | 25.0         | 1      | 02/29/16 06:20 | 02/29/16 13:12 | 95-47-6          | W    |
| a,a,a-Trifluorotoluene (S) | 101        | %           | 80-120      |              | 1      | 02/29/16 06:20 | 02/29/16 13:12 | 98-08-8          |      |
| Percent Moisture           | Analytical | Method: AST | TM D2974-87 |              |        |                |                |                  |      |
| Percent Moisture           | 25.8       | %           | 0.10        | 0.10         | 1      |                | 02/25/16 17:03 |                  |      |



Project: DC

DONALD STORE

Pace Project No.:

40128528

QC Batch: GCV/15740

Analysis Method:

WI MOD GRO

QC Batch Method: TPH GRC

TPH GRO/PVOC WI ext.

Analysis Description:

WIGRO Solid GCV

Associated Lab Samples:

40128528001, 40128528002, 40128528003, 40128528004, 40128528005, 40128528006, 40128528007,

WIGHO Solid GCV

40128528008, 40128528009, 40128528010, 40128528011, 40128528012, 40128528013, 40128528014,

 $40128528015,\,40128528016,\,40128528017,\,40128528018,\,40128528019,\,40128528020$ 

METHOD BLANK: 1298572

Matrix: Solid

Associated Lab Samples:

Date: 03/02/2016 08:56 AM

40128528001, 40128528002, 40128528003, 40128528004, 40128528005, 40128528006, 40128528007, 40128528008, 40128528009, 40128528010, 40128528011, 40128528012, 40128528013, 40128528014,

40128528015, 40128528016, 40128528017, 40128528018, 40128528019, 40128528020

| Parameter                  | Units | Blank<br>Result | Reporting<br>Limit | Analyzed       | Qualifiers |
|----------------------------|-------|-----------------|--------------------|----------------|------------|
| 1,2,4-Trimethylbenzene     | ug/kg | <25.0           | 50.0               | 02/24/16 09:38 |            |
| 1,3,5-Trimethylbenzene     | ug/kg | <25.0           | 50.0               | 02/24/16 09:38 |            |
| Benzene                    | ug/kg | <25.0           | 50.0               | 02/24/16 09:38 |            |
| Ethylbenzene               | ug/kg | <25.0           | 50.0               | 02/24/16 09:38 |            |
| m&p-Xylene                 | ug/kg | <50.0           | 100                | 02/24/16 09:38 |            |
| Methyl-tert-butyl ether    | ug/kg | <25.0           | 50.0               | 02/24/16 09:38 |            |
| Naphthalene                | ug/kg | <25.0           | 50.0               | 02/24/16 09:38 |            |
| o-Xylene                   | ug/kg | <25.0           | 50.0               | 02/24/16 09:38 |            |
| Toluene                    | ug/kg | <25.0           | 50.0               | 02/24/16 09:38 |            |
| Total Trimethylbenzenes    | ug/kg | <50.0           | 100                | 02/24/16 09:38 |            |
| Xylene (Total)             | ug/kg | <75.0           | 150                | 02/24/16 09:38 |            |
| a.a.a-Trifluorotoluene (S) | %     | 101             | 80-120             | 02/24/16 09:38 |            |

| LABORATORY CONTROL SAMPL   | E & LCSD: 1298573 |       | 12     | 98574  |       |       |        |     |     |            |
|----------------------------|-------------------|-------|--------|--------|-------|-------|--------|-----|-----|------------|
|                            |                   | Spike | LCS    | LCSD   | LCS   | LCSD  | % Rec  |     | Max |            |
| Parameter                  | Units             | Conc. | Result | Result | % Rec | % Rec | Limits | RPD | RPD | Qualifiers |
| 1,2,4-Trimethylbenzene     | ug/kg             | 1000  | 1110   | 1190   | 111   | 119   | 80-120 | 7   | 20  |            |
| 1,3,5-Trimethylbenzene     | ug/kg             | 1000  | 1080   | 1150   | 108   | 115   | 80-120 | 6   | 20  |            |
| Benzene                    | ug/kg             | 1000  | 1040   | 1100   | 104   | 110   | 80-120 | 5   | 20  |            |
| Ethylbenzene               | ug/kg             | 1000  | 1090   | 1150   | 109   | 115   | 80-120 | 5   | 20  |            |
| m&p-Xylene                 | ug/kg             | 2000  | 2180   | 2300   | 109   | 115   | 80-120 | 5   | 20  |            |
| Methyl-tert-butyl ether    | ug/kg             | 1000  | 1020   | 1040   | 102   | 104   | 80-120 | 2   | 20  |            |
| Naphthalene                | ug/kg             | 1000  | 1030   | 1110   | 103   | 111   | 80-120 | 7   | 20  |            |
| o-Xylene                   | ug/kg             | 1000  | 1090   | 1160   | 109   | 116   | 80-120 | 6   | 20  |            |
| Toluene                    | ug/kg             | 1000  | 1080   | 1130   | 108   | 113   | 80-120 | 5   | 20  |            |
| Total Trimethylbenzenes    | ug/kg             | 2000  | 2190   | 2340   | 110   | 117   | 80-120 | 6   | 20  |            |
| Xylene (Total)             | ug/kg             | 3000  | 3270   | 3450   | 109   | 115   | 80-120 | 5   | 20  |            |
| a,a,a-Trifluorotoluene (S) | %                 |       |        |        | 103   | 102   | 80-120 |     |     |            |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project:

DONALD STORE

Pace Project No.:

40128528

QC Batch:

GCV/15748

Analysis Method:

WI MOD GRO

QC Batch Method:

TPH GRO/PVOC WI ext.

Analysis Description:

WIGRO Solid GCV

Associated Lab Samples:

40128528021, 40128528022, 40128528023, 40128528024, 40128528025

METHOD BLANK: 1299583

Date: 03/02/2016 08:56 AM

Matrix: Solid

Associated Lab Samples:

40128528021, 40128528022, 40128528023, 40128528024, 40128528025

|                            |       | Blank  | Reporting |                |            |
|----------------------------|-------|--------|-----------|----------------|------------|
| Parameter                  | Units | Result | Limit     | Analyzed       | Qualifiers |
| 1,2,4-Trimethylbenzene     | ug/kg | <25.0  | 50.0      | 02/29/16 09:46 |            |
| 1,3,5-Trimethylbenzene     | ug/kg | <25.0  | 50.0      | 02/29/16 09:46 |            |
| Benzene                    | ųg/kg | <25.0  | 50.0      | 02/29/16 09:46 |            |
| Ethylbenzene               | ug/kg | <25.0  | 50.0      | 02/29/16 09:46 |            |
| m&p-Xylene                 | ug/kg | <50.0  | 100       | 02/29/16 09:46 |            |
| Methyl-tert-butyl ether    | ug/kg | <25.0  | 50.0      | 02/29/16 09:46 |            |
| Naphthalene                | ųg/kg | <25.0  | 50.0      | 02/29/16 09:46 |            |
| o-Xylene                   | ug/kg | <25.0  | 50.0      | 02/29/16 09:46 |            |
| Toluene                    | ug/kg | <25.0  | 50.0      | 02/29/16 09:46 |            |
| Total Trimethylbenzenes    | ug/kg | <50.0  | 100       | 02/29/16 09:46 |            |
| Xylene (Total)             | ug/kg | <75.0  | 150       | 02/29/16 09:46 |            |
| a,a,a-Trifluorotoluene (S) | %     | 102    | 80-120    | 02/29/16 09:46 |            |

| LABORATORY CONTROL SAMPL   | E & LCSD: 1299584 |       | 12     | 99585  |       |       |        |     |     |            |
|----------------------------|-------------------|-------|--------|--------|-------|-------|--------|-----|-----|------------|
|                            |                   | Spike | LCS    | LCSD   | LCS   | LCSD  | % Rec  |     | Max |            |
| Parameter                  | Units             | Conc. | Result | Result | % Rec | % Rec | Limits | RPD | RPD | Qualifiers |
| 1,2,4-Trimethylbenzene     | ug/kg             | 1000  | 1020   | 1040   | 102   | 104   | 80-120 | 2   | 20  |            |
| 1,3,5-Trimethylbenzene     | ug/kg             | 1000  | 1000   | 1020   | 100   | 102   | 80-120 | 2   | 20  |            |
| Benzene                    | ug/kg             | 1000  | 1010   | 1030   | 101   | 103   | 80-120 | 1   | 20  |            |
| Ethylbenzene               | ug/kg             | 1000  | 1020   | 1040   | 102   | 104   | 80-120 | 2   | 20  |            |
| m&p-Xylene                 | ug/kg             | 2000  | 2000   | 2040   | 100   | 102   | 80-120 | 2   | 20  |            |
| Methyl-tert-butyl ether    | ug/kg             | 1000  | 979    | 993    | 98    | 99    | 80-120 | 1   | 20  |            |
| Naphthalene                | ug/kg             | 1000  | 937    | 961    | 94    | 96    | 80-120 | 3   | 20  |            |
| o-Xylene                   | ug/kg             | 1000  | 1010   | 1030   | 101   | 103   | 80-120 | 2   | 20  |            |
| Toluene                    | ug/kg             | 1000  | 1030   | 1050   | 103   | 105   | 80-120 | 2   | 20  |            |
| Total Trimethylbenzenes    | ug/kg             | 2000  | 2020   | 2060   | 101   | 103   | 80-120 | 2   | 20  |            |
| Xylene (Total)             | ug/kg             | 3000  | 3010   | 3080   | 100   | 103   | 80-120 | 2   | 20  |            |
| a,a,a-Trifluorotoluene (S) | %                 |       |        |        | 103   | 103   | 80-120 |     |     |            |





Project:

DONALD STORE

Pace Project No.:

40128528

QC Batch:

PMST/12456

Analysis Method:

ASTM D2974-87

QC Batch Method:

ASTM D2974-87

Analysis Description:

Dry Weight/Percent Moisture

4

Associated Lab Samples:

40128528018, 40128528019, 40128528020, 40128528021, 40128528022, 40128528023, 40128528024,

40128528025

SAMPLE DUPLICATE: 1299575

Date: 03/02/2016 08:56 AM

40128528018

Dup

Max

Parameter

Units

Result 11.2 Result **RPD**  **RPD** 

Qualifiers

Percent Moisture

%

10.8

10





Project:

DONALD STORE

Pace Project No.:

40128528

QC Batch:

PMST/12470

Analysis Method:

ASTM D2974-87

**RPD** 

QC Batch Method:

ASTM D2974-87

Analysis Description:

Dry Weight/Percent Moisture

Associated Lab Samples:

40128528001, 40128528002, 40128528003, 40128528004, 40128528005, 40128528006, 40128528007

SAMPLE DUPLICATE: 1300794

Parameter

40128528004 Result

Dup Result Max

Qualifiers

Percent Moisture

Date: 03/02/2016 08:56 AM

Units %

10.6

10.5

1

**RPD** 

10





Project: DONALD STORE

Pace Project No.: 40128528

QC Batch: PMST/12471 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40128528008, 40128528009, 40128528010, 40128528011, 40128528012, 40128528013, 40128528014,

40128528015, 40128528016, 40128528017

SAMPLE DUPLICATE: 1300850

Date: 03/02/2016 08:56 AM

| Parameter        | Units | 40128774003<br>Result | Dup<br>Result | RPD | Max<br>RPD | Qualifiers |
|------------------|-------|-----------------------|---------------|-----|------------|------------|
| Percent Moisture | %     | 9.1                   | 9.1           | 0   | 10         |            |



#### **QUALIFIERS**

Project: DONALD STORE
Pace Project No.: 40128528

#### **DEFINITIONS**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is

a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

# **LABORATORIES**

PASI-G Pace Analytical Services - Green Bay

## **ANALYTE QUALIFIERS**

Date: 03/02/2016 08:56 AM

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

S7 Surrogate recovery outside control limits (not confirmed by re-analysis).

W Non-detect results are reported on a wet weight basis.



# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: DONALD STORE

Pace Project No.: 40128528

Date: 03/02/2016 08:56 AM

| Lab ID      | Sample ID  | QC Batch Method      | QC Batch   | Analytical Method | Anal <b>y</b> tical<br>Batch |
|-------------|------------|----------------------|------------|-------------------|------------------------------|
| 10128528001 | 1:3-4      | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 10128528002 | 1:7-8      | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528003  | 1:10'      | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528004  | 1:14'      | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528005  | 1:19-20    | TPH GRO/PVQC WI ext. | GÇV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528006  | 2: 3-4     | TPH GRO/PVOÇ WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528007  | 2: 7-8     | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528008  | 2: 11-12   | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528009  | 2: 15-16   | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528010  | 3: 3-4     | TPH GRO/PVQC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528011  | 3: 7-8     | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528012  | 3; 11-12   | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528013  | 4: 3-4     | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528014  | 4: 7-8     | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528015  | 4: 11-12   | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528016  | 5: 3-4     | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528017  | 5: 7-8     | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528018  | 5: 11-12   | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528019  | 6: 3-4     | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528020  | 6: 7-8     | TPH GRO/PVOC WI ext. | GCV/15740  | WI MOD GRO        | GCV/1574                     |
| 0128528021  | 6: 11-12   | TPH GRO/PVOC WI ext. | GCV/15748  | WI MOD GRO        | GCV/1575                     |
| 0128528022  | 6: 15-16   | TPH GRO/PVOC WI ext. | GCV/15748  | WI MOD GRO        | GCV/1575                     |
| 0128528023  | MW1: 3-4   | TPH GRO/PVOC WI ext. | GCV/15748  | WI MOD GRO        | GCV/1575                     |
| 0128528024  | MW1: 7-8   | TPH GRO/PVOC WI ext. | GCV/15748  | WI MOD GRO        | GCV/1575                     |
| 0128528025  | MW1: 11-12 | TPH GRO/PVOC WI ext. | GCV/15748  | WI MOD GRO        | GCV/1575                     |
| 0128528001  | 1:3-4      | ASTM D2974-87        | PMST/12470 |                   |                              |
| 0128528002  | 1:7-8      | ASTM D2974-87        | PMST/12470 |                   |                              |
| 0128528003  | 1:10'      | ASTM D2974-87        | PMST/12470 |                   |                              |
| 0128528004  | 1:14'      | ASTM D2974-87        | PMST/12470 |                   |                              |
| 0128528005  | 1:19-20    | ASTM D2974-87        | PMST/12470 |                   |                              |
| 0128528006  | 2: 3-4     | ASTM D2974-87        | PMST/12470 |                   |                              |
| 0128528007  | 2: 7-8     | ASTM D2974-87        | PMST/12470 |                   |                              |
| 0128528008  | 2: 11-12   | ASTM D2974-87        | PMST/12471 |                   |                              |
| 0128528009  | 2: 15-16   | ASTM D2974-87        | PMST/12471 |                   |                              |
| 0128528010  | 3: 3-4     | ASTM D2974-87        | PMST/12471 |                   |                              |
| 0128528011  | 3: 7-8     | ASTM D2974-87        | PMST/12471 |                   |                              |
| 0128528012  | 3: 11-12   | ASTM D2974-87        | PMST/12471 |                   |                              |
| 0128528013  | 4: 3-4     | ASTM D2974-87        | PMST/12471 |                   |                              |
| 0128528014  | 4: 7-8     | ASTM D2974-87        | PMST/12471 |                   |                              |
| 0128528015  | 4: 11-12   | ASTM D2974-87        | PMST/12471 |                   |                              |
| 0128528016  | 5: 3-4     | ASTM D2974-87        | PMST/12471 |                   |                              |
| 0128528017  | 5: 7-8     | ASTM D2974-87        | PMST/12471 |                   |                              |
| 0128528018  | 5: 11-12   | ASTM D2974-87        | PMST/12456 |                   |                              |
| 0128528019  | 6: 3-4     | ASTM D2974-87        | PMST/12456 |                   |                              |
| 0128528020  | 6: 7-8     | ASTM D2974-87        | PMST/12456 |                   |                              |
| 0128528021  | 6: 11-12   | ASTM D2974-87        | PMST/12456 |                   |                              |
| 0128528022  | 6: 15-16   | ASTM D2974-87        | PMST/12456 |                   |                              |



# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: DONALD STORE

Pace Project No.: 40128528

Date: 03/02/2016 08:56 AM

| Lab ID      | Sample ID  | QC Batch Method | QC Batch Analytical Method | Analytical<br>Batch |
|-------------|------------|-----------------|----------------------------|---------------------|
| 40128528023 | MW1: 3-4   | ASTM D2974-87   | PMST/12456                 | _                   |
| 40128528024 | MW1: 7-8   | ASTM D2974-87   | PMST/12456                 |                     |
| 40128528025 | MW1: 11-12 | ASTM D2974-87   | PMST/12456                 |                     |

|                         | (Ple      | ease Print Clearly)                      |                                    | 7           |  |              |                |                 |                |            |     | 9         | UPPER I    | MIDWESTR    | EGION               |  | Page                      | of 📆                   | ļ      |
|-------------------------|-----------|--|------------------------------------|-------------|--|--------------|----------------|-----------------|----------------|------------|-----|-----------|------------|-------------|---------------------|--|---------------------------|------------------------|--------|
| Company Nar             | me:       | Meridian En                              | . G /                              | 4           |  | Æ            |                | _               |                |            |     | •         | MN: 612    | 2-607 1700  | WI: 920-469-2436    |  |                           |                        | ,<br>• |
| Branch/Locat            | tion:     |  |                                    |             | /-                                     | _            | Pace           | An              | alytic         | al"        |     |           |            |             |                     |  | 401                       | 28528°                 | 3      |
| Project Conta           | et:       | Ken Shin                                 | uto                                |             |  |              |                | www.j           | pacelabs.c     | com        |     |           |            | <b>y</b> o0 | Quote #:            |  |                           | n<br>O                 | 5      |
| Phone:                  |           | 715-832-6                                | 608                                |             | ļ                                      |              | CHA            | ΝI              | OF             | C          | US' | TOI       | YC         |             | Mail To Contact:    | Ken  | Shru                      | 6                      |        |
| Project Numb            |           |  |                                    | $\neg$      | A=Non                                  |              | S=HCL C=       |                 | Preserva       | ation Cod  | les | =Methanol |            | 24          | Mail To Company:    | Men  | Jun 1                     | Za Cs K                |        |
| Project Name            |           | Donald S                                 | tore                               |             | 1                                      | _            | sulfate Soluti |                 |                | n Thiosulf |     | Other     | U-1180     |             | Mail To Address:    | 77.11  | 1. Fic                    | - 20                   | -      |
| Project State:          | :         | WT                                       |                                    | -           | FILTER<br>(YES/I                       |              | 877            |                 | Τ              |            |     |           |            |             |                     | 500  | idian h                   | KWI                    |        |
| Sampled By (            | Print):   | Ken Shim                                 | ho                                 | ┤,          | PRESERV<br>(COD                        | /ATION       |                |                 | 1              |            |     |           |            |             | Invoice To Contact: |  | <del>ای را در</del><br>ای | 4742                   |        |
| Sampled By (            | Sign):    | 11/                                      |                                    | 1           | (002                                   | <b>-</b> ,   |                | 4               | 1              |            |     |           |            |             | Invoice To Company: | İ  |                           | •                      |        |
| PO #:                   |           | 117-6                                    | Regulat<br>Progra                  |             |  |              |                | 1404            | •              |            |     |           |            |             | Invoice To Address: |  |                           |                        | _      |
| Data Packa              |           | ions MS/MSD                              |                                    | Matrix      | Codes                                  | ===          |                | 5               |                |            |     |           |            |             |                     |  |                           |                        |        |
| (bilia                  | •         | On your sample                           | A = Air<br>B = Biota               | DW          | ≈ Water<br>/ = Drinking                | g Water      | 12             | 17              |                |            |     |           |            |             | <u> </u>            | <u>!</u><br>1                                    |                           |                        | _      |
| ☐ EPA                   | A Level   | (billable) IV NOT needed on              | C = Charcos<br>O = Oil<br>S = Soil | SW          | / = Ground<br>/ = Surface<br>V = Waste | Water        |                | 06              |                |            |     |           |            |             | Invoice To Phone:   |  |                           |                        |        |
| PACE LAB#               |           | your sample CLIENT FIELD ID              | Si = Sludge                        | WP          | = Wipe                                 | MATRI        | - -₹           | 0               |                |            |     |           |            |             | CLIENT<br>COMMENTS  |  | COMMENTS                  | Profile #              | #      |
| 501                     |           |  | ZII                                |             | TIME                                   | 3            |                | 7               | -              |            |     |           | _          |             | COMMENTS            |  | Use Only)                 | 1000                   |        |
| 062                     | - 1       | . <u>3-7</u><br>8~₽                      | 1                                  | 3           |  | <del>-</del> | 100            | 7               | +              |            |     |           |            |             | PJ. 14              | 1-4  | 12pa 1-                   | $40$ m $V^{-}$         |        |
| 4.47.19.1               | -+        | 101                                      | $\dashv$                           |             |  | +            |                | $\vdash$        | ╁──            |            |     |           | +          |             | 2                   | <del>                                     </del> |                           | +                      |        |
| 603                     |           | 141                                      |                                    |             |  | +            | _              | ╁               | ╁┈┈            |            |     |           | -          |             | <u> </u>            | <del>                                     </del> |                           | <del></del>            | _      |
| 604                     | -         | 19-20                                    |                                    | _           |  | +            |                | $\vdash$        | +              |            |     |           |            |             | 1                   | 1 1  |                           | 1                      |        |
| 005                     | Zź        | <del></del>                              | -+-+                               | <del></del> |  | +            |                |                 | +              |            |     |           | -          |             | <u> </u>            | <u> </u>   |                           | 1                      |        |
| 000                     |           |  | -+-+                               | +           |  | +            |                |                 | +              |            |     |           |            |             | <u> </u>            | <u> </u>   |                           | 1                      | !      |
| 007                     | $\dashv$  | 7-8                                      |                                    |             |  | $\dashv$     |                |                 | +              |            |     |           | +          |             | <u> </u>            | 1 1  |                           | 1                      |        |
| 800                     | 1         | 15-16                                    | +-1                                |             |  | +            |                | $\vdash \vdash$ | +              |            |     |           | +          |             | <u> </u>            | 1 1  |                           | 1                      |        |
| 000                     | <u>-</u>  |  |                                    |             |  | +            |                | +               | <del> </del> - |            |     |           |            |             | <u> </u>            | <u> </u>   |                           | 1                      |        |
| 010                     | <u>3:</u> | 3-4<br>7-8                               |                                    | +           |  | +            |                | -               | <del> </del>   |            |     | -         | $\dashv$   |             | <u> </u>            | <u> </u>   |                           | 1                      |        |
| 011                     |           | ···                                      | 11                                 |             | <del>}</del>                           | $\downarrow$ |                | 1               | <del> </del> - |            |     |           | $\dashv$   |             | 1                   | 1 1  |                           |                        |        |
| 012                     |           | 11-12                                    | +                                  |             |  |              |                |                 | <del> </del> - |            |     |           |            |             | <u>[</u>            | <u>  1</u>                                       | /                         | <u> </u>               |        |
| Rush Tu                 | marour    | nd Time Requested - Prel                 | ims li                             | Relinquist  | hed By:                                |              |                |                 | Da             | ite/Time:  |     |           | Received E |             | Date/Time:          | <u> </u>   | PACE                      | Project No.            |        |
| 9357                    | TAT sub   | oject to approval/surcharg               | e)                                 |             |  |              |                |                 |                |            |     |           | . <u></u>  |             |                     |  | 40128                     | 3528                   |        |
| Transmit Prei           |           | Needed:<br>Results by (complete what you |                                    | Relinquist  | hed By:                                |              |                |                 |                | ite/Time:  |     | F         | Received   |             | Date/Time:          |  | <del></del>               | <del></del>            |        |
| Email#1:                |           |  |                                    | Relinquist  | hed By:                                | 3            | 24             | )               | F              | ie/        | 6.  |           | Received   | UD          |                     | <b>&gt;</b>                                      | Receipt Temp =            | FUL                    | 'C     |
| Email #2:<br>Telephone: |           |  |                                    | Relinquist  | hed By:                                |              | -              | <u> </u>        | Da             | ite/Time:  | _/3 | F         | Received E |             | Date/Time:          | <b></b>  |                           | Receipt pH<br>Adjusted |        |
| Fax:                    |           |  |                                    |             |  |              | <del></del>    |                 |                |            |     |           |            |             | ***                 |  |                           | ustody Seal            |        |
|                         | -         | n HOLD are subject to                    | ]                                  | Relinquish  | hed By:                                |              |                |                 | Da             | te/Time:   |     | F         | Received E | By:         | Date/Time:          |  |                           | / Not Present          |        |

|                        |                            |  |                        |         | -                                       |                 |                |    |  |              |       |          |          |          |                  |  |     |            |                 |             |                   |
|------------------------|----------------------------|--|------------------------|---------|---|-----------------|----------------|----|--|--------------|-------|----------|----------|----------|------------------|--|-----|------------|-----------------|-------------|-------------------|
|                        |                            | ease Print Clearly)                                    |                        | 7 /     | 4                                       | <b>a</b>        |                |    |  |              |       |          | -        |          | VEST RE          |  |     |            | Page            | 7           | of 📆              |
| Company Na             | me:                        | Meridian kn  | <u>s. C3</u>           | 14      | 4                                       |                 |                | A  | رئيد بارد                                    | 2010         |       |          | MN: 6    | 12-607   | -1700            | WI: 920-469-2436                       |     |            | •               |             |                   |
| Branch/Loca            | tion:                      |  |                        |         |   |                 | Pace           |    |  |              |       |          |          |          | _                |  |     |            |                 |             | 6 Z               |
| Project Cont           | roject Contact: Ken Shimka |  |                        |         | www.pacelabs.com                        |                 |                |    |  |              |       |          |          | Quote #: |                  |  |     |            | Pa              |             |                   |
| Phone: 715-832-6688    |                            |  |                        | 1 '     |   | CHA             | IN             | O  | F C  | US           | OTS   | DY       |          | I        | Mail To Contact: | Le                                     | h   | Shil       | uK              | <b>a</b>    |                   |
| Project Num            | ber:                       |  |                        |         | A=N                                     |                 | HCL C=         |    | Presen                                       | ration Cod   | des   | F=Methan |          |          | ] [              | Mail To Company:                       | M   | er         | dian            | F           | u Cary            |
| Project Name           | <b>)</b> :                 | Donald Sto   | ~~                     |         | <u>H=S</u>                              | odium Bisu      | lfate Solution | on | J=Sodiu                                      | m Thiosul    | lfate | J≃Other  |          |          | <u>!</u> [       | Mail To Address:                       | 27  | -1(        | D.              | Eli         | in Cong           |
| Project State          | :                          | WI   |                        |         |   | RED?<br>(NO)    | Yes            |    |  |              |       |          |          |          |                  |  | 4   | 200        | Ores            | eK          | . W+              |
| Sampled By             | (Print):                   | Donald Stone<br>WI<br>Ken Shin                         | ik-                    |         |   | EVATION<br>DE)* |                |    |  | İ            | İ     |          |          |          | İ                | invoice To Contact:                    |     |            | 3               | U           | 74/2              |
| Sampled By             | (Sìgn):                    | MA.  | <b>)</b>               |         | 1                                       |                 |                |    |  | İ            | 1     |          |          |          |                  | Invoice To Company:                    |     |            |                 |             |                   |
| PO#:                   |                            | 11-21  | Regul                  |         |   |                 |                | 70 |  |              |       |          |          |          |                  | Invoice To Address:                    |     |            |                 |             |                   |
| Data Packa             | ige Op                     |  | A = Air                | Mat     | trix Codes<br>w = Water                 |                 |                | 5  |  |              |       |          |          |          |                  |  |     |            |                 |             |                   |
| ☐ EP                   | A Level                    | (billable)   | 8 = Biota<br>C = Chan  | coal    | DW = Drinki<br>GW = Grout<br>SW = Surfa | nd Water        | 8              | +  |  |              |       |          |          |          |                  | Invoice To Phone:                      |     |            |                 |             |                   |
|                        | A Level                    | IV NOT needed on your sample                           | S = Soil<br>SI = Slude | oe.     | WW ≈ Wast<br>WP = Wipe                  |                 | £ .            | 10 | <u>.                                    </u> |              |       |          |          |          |                  | CLIENT                                 | LA  | в со       | MMENT           | s           | Profile #         |
| PACE LAB#              |                            | CLIENT FIELD ID  |                        |         | ECTION                                  | MATRIX          |                | ρV | :  | 1            | 1     |          |          |          |                  | COMMENTS                               | (L  | ab Us      | se Only         | ) [         |                   |
| 013                    | 4:                         | 3-4  | Z                      | 18      |   | S               |                | ×  |  |              |       |          |          |          |                  | Page 7                                 | 1-4 | 417.0      | A  -            | 401         | $M/\sim$          |
| 014                    | - (                        | 7-8  |                        | 1       |   | 1               |                |    | T  | Ţ            |       |          |          |          |                  | THE P                                  |     |            |                 | 1           |                   |
| 015                    | 1                          | 11-12  |                        | 1       |   |                 |                |    |  |              | 1     |          |          |          |                  | ^ <u> </u>                             |     |            |                 | $\neg$      |                   |
| 016                    | 5                          |  |                        | 1       | <b></b> -                               | 11              |                |    | 1  | 1            | 1     |          |          |          |                  | <del>- 07</del>                        |     |            |                 |             |                   |
| 017                    | 1                          | 7-8  | _                      | †       |   | 1               |                |    | <b>†</b>                                     | +            | †     |          |          |          | 1                | 7                                      |     |            |                 |             |                   |
| 018                    | t                          | 11-12  | _                      | †       | <b> </b>                                |                 |                |    | 1  | <del> </del> | †     | +        |          |          |                  |  |     | <u> </u>   |                 |             |                   |
| 019                    | 6                          |  | $\dashv$               | 1       | <u> </u>                                |                 |                |    | 1  | 1-           | †—    | 1        |          |          | 1 1              |  |     |            |                 |             |                   |
| <i>620</i>             | 1                          | 7~4  |                        | 1       |   |                 |                |    | 1  |              |       | 1        |          |          |                  | ······································ |     | I          |                 |             |                   |
| 021                    |                            | 11-12  |                        | 1       |   |                 |                |    | 1  |              |       |          |          |          | <u> </u>         |  | İ   |            |                 |             |                   |
|                        | V                          | 15-16  |                        | 1       |   |                 |                |    |  | 1            | T     |          |          |          | 1                |  |     |            |                 |             |                   |
| 022                    | Mu                         | ol: 3-4  |                        |         |   |                 |                |    |  |              |       |          |          |          |                  |  |     |            |                 |             |                   |
| 024                    |                            | 7-8  |                        | T       |   |                 |                |    |  | T -          |       |          |          |          |                  |  |     |            |                 |             |                   |
| 935                    | V                          | 11-12  |                        | V       |   | A               |                | V  |  |              |       |          |          |          |                  |  | 1   | /          |                 |             | /                 |
|                        |                            | ind Time Requested - Prel                              |                        | Relin   | quished By                              | 1:              |                |    | ٥  | ate/Time:    | 1,1   | 110      | Received | ву:      | )                | Date/Time:<br>2/28/16                  | U   | $\sqrt{}$  |                 | E Proje     |                   |
| (Rush                  |                            | bject to approval/surcharge<br>Needed:                 | je)                    | Relig   | quished By:                             |                 |                |    |  | ate/Time:    | 16    | you      | Received |          | have             | Z/22//6<br>Date/Time:                  | /   | 2          | 401             | <u> 28€</u> | 528               |
|                        | elim Rus                   | h Results by (complete what you                        | want):                 | 1       | /                                       |                 |                |    |  | ate/Time:    |       |          | Perch :  | 100      |                  | Data (Ricco)                           |     | Rr         | ecelpt Temp     | ) = E       | øl °c             |
| Email #1:<br>Email #2: |                            |  |                        | - Keiin | iquished By:                            |                 |                |    | b  | ate/Time:    |       |          | Received | г бу:    |                  | Date/Time:                             |     | 一          | Samp            |             | eipt pH           |
| relephone:             |                            |  |                        | Relin   | quished By:                             |                 |                |    | D  | ate/Time:    |       |          | Received | By:      |                  | Date/Time:                             |     | $\dashv$ L | ОК              | / Adju      | sted              |
| Fax:                   |                            |  |                        | ــــ    |   |                 |                |    |  |              |       |          |          |          |                  | <del></del>                            |     | $-\Gamma$  |                 |             | ody Seal          |
|                        |                            | on HOLD are subject to<br>ing and release of liability |                        | Reiln   | quished By:                             |                 |                |    | D  | ate/Time:    |       | İ        | Received | l By:    |                  | Date/Time;                             |     | }          |                 | _           | Present<br>Intact |
|                        | p-10                       |  | ···                    |         |   |                 |                |    |  |              |       |          |          |          |                  |  |     |            | rsion 6.0 06/14 |             |                   |

# **Sample Condition Upon Receipt**

Pace Analytical Services, Inc. 1241 Bellevue Street, Suite 9 Green Bay, WI 54302

Sample Condition

Pace Analytical

| Client Name: Merdsan   |                          |             | 1 10,000   | MU# • 4                | MTZQQZ                    | 3        |
|--|--------------------------|-------------|--|------------------------|---------------------------|----------|
| Courier: Fed Ex T UPS T Client F Pac   | - Others DI              | inh         | áno I  |                        |                           |          |
| Tracking #:  | e Striet:                | 1() []      | an   | 0120529                |                           |          |
| Custody Seal on Cooler/Box Present: 1 yes  | X no Seals               | intact:     | - TvesiTno   | 0179279                |                           |          |
| Custody Seal on Samples Present:  yes  | <i>[</i> ]               |             | yes no   |                        |                           |          |
| Packing Material:   Bubble Wrap   Bubb   |                          |             | -  |                        |                           |          |
| Thermometer Used N/A   | _                        |             |  | Samples on lo          | ce, cooling process has b | egun     |
| Cooler Temperature Uncorr: RO\ /Corr:  |                          | Biolo       | gical Tissue is Frozen:  | 厂 yes _                |                           |          |
| Temp Blank Present: yes no   |                          |             |  | 厂 no                   | Person examining co       | ntents:  |
| Temp should be above freezing to 6°C for all sample exc                                    | ept Biota.               |             |  |                        | Date: 3 3110              | <u>e</u> |
| Frozen Biota Samples should be received ≤ 0°C.   | -4 5                     |             | Comments:  |                        |                           |          |
| Chain of Custody Present:  | DXXes □No                |             |  | 14000                  |                           | 1        |
| Chain of Custody Filled Out:   | □Yes N                   | □n/a        | 2. NO COLLECT  | - TITYIE               | a/                        | 24110    |
| Chain of Custody Relinquished:   | XYes □No                 | □N/A        | 3  |                        |                           |          |
| Sampler Name & Signature on COC:   | DXXes □No                | □N/A        | 4.   |                        |                           |          |
| Samples Arrived within Hold Time:  | Dves □No                 | □n/a        | 5.   |                        |                           |          |
| - VOA Samples frozen upon receipt  | ☐Yes ☐No                 |             | Date/Time:   |                        |                           |          |
| Short Hold Time Analysis (<72hr):  | □Yes Ď <b>y</b> 6        | □n/a        | 6.   |                        |                           |          |
| Rush Turn Around Time Requested:   | □Yes 🗫                   | □n/a        | 7.   |                        |                           |          |
| Sufficient Volume:   | No □No                   | □n/a        | 8.   |                        |                           |          |
| Correct Containers Used:   | X es □No                 | □n/a        | 9.   |                        |                           |          |
| -Pace Containers Used:   | Mes □No                  | □N/A        |  |                        |                           |          |
| -Pace IR Containers Used:  | □Yes □No                 | DOTA        |  |                        |                           |          |
| Containers Intact:   | Ty)es □No                | □N/A        | 10.  |                        |                           |          |
| Filtered volume received for Dissolved tests   | <del>`</del><br>□Yes □No | <b>YNIA</b> | 11.  |                        |                           |          |
| Sample Labels match COC:   | □Yes Øvo                 |             | 12. NO COLLECT d   | late                   | 7                         |          |
| -Includes date/time/ID/Analysis Matrix:  |                          |             |  | -                      | 2                         | lashie   |
| All containers needing preservation have been checked.                                     |                          | <b>A</b> 0  | E HNO3 E   | H28O4 [                | NaOH   NaOH +             | 1        |
| (Non-Compliance noted in 13.)  | □Yes □No                 | LYNA        | 13.  | 112004 ;               | Naon j Naon               | 20,00    |
| All containers needing preservation are found to be in compliance with EPA recommendation. | □Yes □No                 | DANA        |  |                        |                           |          |
| (HNO3, H2SO4 ≤2, NaOH+ZnAct ≥9, NaOH ≥12)  |                          |             | la de la companya de la companya de la companya de la companya de la companya de la companya de la companya de | 11 41D - 6             | [Date/                    |          |
| exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:                   | □Yes 💆 o                 |             |  | Std #ID of<br>ervative | Time:                     |          |
| Headspace in VOA Vials ( >6mm):  | □Yes □No                 | Ď A         | 14.  |                        |                           |          |
| Trip Blank Present:  | □Yes XINo                | □N/A        |  |                        |                           |          |
| Trip Blank Custody Seals Present   | □Yes □No                 | . '^        |  |                        |                           |          |
| Pace Trip Blank Lot # (if purchased):  |                          | <u>'</u>    |  |                        |                           |          |
| Client Notification/ Resolution:   |                          |             |  | ed, see attache        | d form for additional com | ments    |
| Person Contacted:  |                          | _Date/      | Time:  |                        |                           |          |
| Comments/ Resolution:  |                          |             |  |                        |                           |          |
| Project Manager Review:  | - {/×                    | ,           |  | Date:                  | 2-23-16                   | )        |
| F-GB-C-031-Rev.03 (9April2015) SCUR Form   |                          |             |  |                        |                           |          |





March 16, 2016

Kenneth Shimko Meridian Environmental Consulting, LLC 2711 North Elco Rd Fall Creek, WI 54742

RE: Project: DONALD STORE Pace Project No.: 40129262

## Dear Kenneth Shimko:

Enclosed are the analytical results for sample(s) received by the laboratory on March 11, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten

brian.basten@pacelabs.com

**Project Manager** 

Enclosures







## **CERTIFICATIONS**

Project:

DONALD STORE

Pace Project No.:

40129262

Green Bay Certification IDs 1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 US Dept of Agriculture #: S-76505 Virginia VELAP Certification ID: 460263 Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444



# **SAMPLE SUMMARY**

Project: DONALD STORE

Pace Project No.: 40129262

| Lab ID      | Sample ID  | Matrix | Date Collected | Date Received  |
|-------------|------------|--------|----------------|----------------|
| 40129262001 | D1         | Water  | 03/09/16 00:00 | 03/11/16 07:45 |
| 40129262002 | D2         | Water  | 03/09/16 00:00 | 03/11/16 07:45 |
| 40129262003 | MW-800     | Water  | 03/09/16 00:00 | 03/11/16 07:45 |
| 40129262004 | P-800      | Water  | 03/09/16 00:00 | 03/11/16 07:45 |
| 40129262005 | TRIP BLANK | Water  | 03/09/16 00:00 | 03/11/16 07:45 |



# **SAMPLE ANALYTE COUNT**

Project: DONALD STORE

Pace Project No.: 40129262

| Lab ID      | Sample ID  | Method     | Analysts | Analytes<br>Reported | Laboratory |
|-------------|------------|------------|----------|----------------------|------------|
|             |            | Method     | Analysis | Reported             | Laboratory |
| 40129262001 | D1         | WI MOD GRO | PMS      | 9                    | PASI-G     |
| 40129262002 | D2         | WI MOD GRO | PMS      | 9                    | PASI-G     |
| 40129262003 | MW-800     | WI MOD GRO | PMS      | 9                    | PASI-G     |
| 40129262004 | P-800      | WI MOD GRO | PMS      | 9                    | PASI-G     |
| 40129262005 | TRIP BLANK | WI MOD GRO | PMS      | 9                    | PASI-G     |





#### **PROJECT NARRATIVE**

Project: DONALD STORE

Pace Project No.: 40129262

Method: WI MOD GRO Description: WIGRO GCV

Client: Meridian Environmental Consulting, LLC

Date: March 16, 2016

#### **General Information:**

5 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

#### **Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

#### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

#### **Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

#### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

#### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### **Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

#### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### **Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.



Date: 03/16/2016 04:49 PM

# **ANALYTICAL RESULTS**

Project: DONALD STORE Pace Project No.: 40129262

| Sample: D1                           | Lab ID: 401    | 29262001   | Collecte  | d: 03/09/1  | 6 00:00 | Received: 03 | 3/11/16 07:45 M  | atrix: Water |      |
|--------------------------------------|----------------|------------|-----------|-------------|---------|--------------|------------------|--------------|------|
| Parameters                           | Results l      | Jnits      | LOQ       | LOD         | DF      | Prepared     | Analyzed         | CAS No.      | Qual |
| WIGRO GCV                            | Analytical Met | hod: WI MC | D GRO     |             |         |              |                  |              |      |
| Benzene                              | <0.40          | ug/L       | 1.0       | 0.40        | 1       |              | 03/15/16 13:08   | 71-43-2      |      |
| Ethylbenzene                         | <0.39          | ug/L       | 1.0       | 0.39        | 1       |              | 03/15/16 13:08   | 100-41-4     |      |
| Methyl-tert-butyl ether              | <0.48          | ug/L       | 1.0       | 0.48        | 1       |              | 03/15/16 13:08   | 1634-04-4    |      |
| Naphthalene                          | <0.42          | ug/L       | 1.0       | 0.42        | 1       |              | 03/15/16 13:08   | 91-20-3      |      |
| Toluene                              | <0.39          | yg/L       | 1.0       | 0.39        | 1       |              | 03/15/16 13:08   | 108-88-3     |      |
| 1,2,4-Trimethylbenzene               | <0.42          | ug/L       | 1.0       | 0.42        | 1       |              | 03/15/16 13:08   | 95-63-6      |      |
| 1,3,5-Trimethylbenzene               | <0.42          | ıg/Ļ       | 1.0       | 0.42        | 1       |              | 03/15/16 13:08   | 108-67-8     |      |
| Xylene (Total)<br><b>Surr</b> ogates |                | ug/L       | 3.0       | 1.2         | 1       |              | 03/15/16 13:08   | 1330-20-7    |      |
| a,a,a-Trifluorotoluene (S)           | 104            | %          | 80-120    |             | 1       |              | 03/15/16 13:08   | 98-08-8      |      |
| Sample: D2                           | Lab ID: 401    | 29262002   | Collecte  | d: 03/09/16 | 00:00   | Received: 03 | 3/11/16 07:45 M  | atrix: Water |      |
| Parameters                           | Results l      | Jnits      | LOQ       | LOD         | DF      | Prepared     | Analyzed         | CA\$ No.     | Qual |
| WIGRO GCV                            | Analytical Met | hod: WI MC | D GRO     |             |         |              |                  |              |      |
| Benzene                              | 29.6           | ıg/L       | 10.0      | 4.0         | 10      |              | 03/15/16 16:08   | 71-43-2      |      |
| Ethylbenzene                         | 202            | ıg/L       | 10.0      | 3.9         | 10      |              | 03/15/16 16:08   | 100-41-4     |      |
| Methyl-tert-butyl ether              | <4.8 I         | ıg/L       | 10.0      | 4.8         | 10      |              | 03/15/16 16:08   | 1634-04-4    |      |
| Naphthalene                          | 151            | ug/L       | 10.0      | 4.2         | 10      |              | 03/15/16 16:08   | 91-20-3      |      |
| Toluene                              | 7.3J i         | ıg/L       | 10.0      | 3.9         | 10      |              | 03/15/16 16:08   | 108-88-3     |      |
| 1,2,4-Trimethylbenzene               | <b>568</b> ι   | ıg/L       | 10.0      | 4.2         | 10      |              | 03/15/16 16:08   | 95-63-6      |      |
| 1,3,5-Trimethylbenzene               | <b>200</b> t   | ıg/L       | 10.0      | 4.2         | 10      |              | 03/15/16 16:08   | 108-67-8     |      |
| Xylene (Total)<br><i>Surrogates</i>  | 646 t          | ıg/L       | 30.0      | 12.5        | 10      |              | 03/15/16 16:08   | 1330-20-7    |      |
| a,a,a-Trifluorotoluene (S)           | 106            | %          | 80-120    |             | 10      |              | 03/15/16 16:08   | 98-08-8      |      |
| Sample: MW-800                       | Lab ID: 401    | 29262003   | Collected | d: 03/09/16 | 00:00   | Received: 03 | 8/11/16 07:45 Ma | atrix: Water |      |
| Parameters                           | Results L      | Jnits      | LOQ       | LOD         | DF      | Prepared     | Analyzed         | CAS No.      | Qual |
| WIGRO GCV                            | Analytical Met | hod: WI MC | D GRO     |             |         |              |                  |              |      |
| Benzene                              | <0.40 t        | ıg/L       | 1.0       | 0.40        | 1       |              | 03/15/16 18:17   | 71-43-2      |      |
| Ethylbenzene                         |                | ıg/L       | 1.0       | 0.39        | 1       |              | 03/15/16 18:17   | 100-41-4     |      |
| Methyl-tert-butyl ether              |                | ıg/L       | 1.0       | 0.48        | 1       |              | 03/15/16 18:17   |              |      |
| Naphthalene                          |                | ıg/L       | 1.0       | 0.42        | 1       |              | 03/15/16 18:17   |              |      |
| Toluene                              |                | ıg/L       | 1.0       | 0.39        | 1       |              | 03/15/16 18:17   | 108-88-3     |      |
| 1,2,4-Trimethylbenzene               |                | ıg/L       | 1.0       | 0.42        | 1       |              | 03/15/16 18:17   |              |      |
| 1,3,5-Trimethylbenzene               |                | ıg/L       | 1.0       | 0.42        | 1       |              | 03/15/16 18:17   |              |      |
| Xylene (Total)                       |                | ıg/L       | 3.0       | 1.2         | 1       |              | 03/15/16 18:17   |              |      |
| Surrogates                           |                | -          |           |             |         |              |                  |              |      |
| Surroyales                           |                |            |           |             |         |              | 03/15/16 18:17   |              |      |



Date: 03/16/2016 04:49 PM

# **ANALYTICAL RESULTS**

Project: DONALD STORE
Pace Project No.: 40129262

| Sample: P-800  | Lab ID:   | 40129262004   | Collected                              | 1: 03/09/16                                  | 00:00                 | Received: 03 | 3/11/16 07:45  | Matrix: Water  |      |
|--|---|---|--|--|-----------------------|--------------|--|--|------|
| Parameters   | Results   | Units   | LOQ                                    | LOD  | DF                    | Prepared     | Analyzed   | CAS No.  | Qual |
| WIGRO GCV  | Analytical  | Method: WI MC   | DD GRO                                 |  |                       |              |  |  |      |
| Benzene  | <0.40   | ug/L  | 1.0                                    | 0.40   | 1                     |              | 03/15/16 15:4  | 2 71-43-2  |      |
| Ethylbenzene   | <0.39   | ug/L  | 1.0                                    | 0.39   | 1                     |              | 03/15/16 15:4  | 2 100-41-4   |      |
| Methyl-tert-butyl ether  | <0.48   | ug/L  | 1.0                                    | 0.48   | 1                     |              | 03/15/16 15:4  | 2 1634-04-4  |      |
| Naphthalene  | <0.42   | ug/L  | 1.0                                    | 0.42   | 1                     |              | 03/15/16 15:4  | 2 91-20-3  |      |
| Toluene  | <0.39   | ug/L  | 1.0                                    | 0.39   | 1                     |              | 03/15/16 15:4  | 2 108-88-3   |      |
| 1,2,4-Trimethylbenzene   | <0.42   | ug/L  | 1.0                                    | 0.42   | 1                     |              | 03/15/16 15:4  | 2 95-63-6  |      |
| 1,3,5-Trimethylbenzene   | <0.42   | ug/L  | 1.0                                    | 0.42   | 1                     |              | 03/15/16 15:4  | 2 108-67-8   |      |
| Xylene (Total)<br><b>Surrogates</b>  | <1.2  | ug/L  | 3.0                                    | 1.2  | 1                     |              | 03/15/16 15:4  | 2 1330-20-7  |      |
| a,a,a-Trifluorotoluene (S)   | 104   | %   | 80-120                                 |  | 1                     |              | 03/15/16 15:4  | 2 98-08-8  |      |
| Sample: TRIP BLANK   | Lab ID:   | 40129262005   | Collected                              | : 03/09/16                                   | 00:00                 | Received: 03 | 3/11/16 07:45 M  | Matrix: Water  |      |
| Parameters   |   |   |  |  |                       |              |  |  |      |
| i didiliotoro  | Results   | Ųnits   | LOQ                                    | LOD  | DF                    | Prepared     | Analyzed   | CAS No.  | Qual |
|  |   | Units  Method: WI MC                                  | -                                      | LOD  | DF                    | Prepared     | Analyzed   | CAS No.  | Qual |
| WIGRO GCV  |   |   | -                                      | 0.40   | DF1                   | Prepared     | Analyzed 03/15/16 18:4   |  | Qual |
| WIGRO GCV Benzene Ethylbenzene   | Analytical  | Method: WI MC   | DD GRO                                 |  |                       | Prepared     | <u> </u>   | 2 71-43-2  | Qual |
| WIGRO GCV<br>Benzene   | Analytical  | Method: WI MC   | DD GRO                                 | 0.40   | 1                     | Prepared     | 03/15/16 18:4  | 2 71-43-2<br>2 100-41-4  | Qual |
| NIGRO GCV<br>Benzene<br>Ethylbenzene<br>Methyl-tert-butyl ether                                    | Analytical<br><0.40<br><0.39  | Method: WI MC<br>ug/L<br>ug/L                         | 0D GRO<br>1.0<br>1.0                   | 0.40<br>0.39                                 | 1                     | Prepared     | 03/15/16 18:4<br>03/15/16 18:4   | 2 71-43-2<br>2 100-41-4<br>2 1634-04-4   | Qual |
| NIGRO GCV<br>Benzene<br>Ethylbenzene<br>Nethyl-tert-butyl ether<br>Naphthalene                     | Analytical<br><0.40<br><0.39<br><0.48   | Method: WI MC<br>ug/L<br>ug/L<br>ug/L                 | DD GRO<br>1.0<br>1.0<br>1.0            | 0.40<br>0.39<br>0.48                         | 1<br>1<br>1           | Prepared     | 03/15/16 18:4<br>03/15/16 18:4<br>03/15/16 18:4  | 2 71-43-2<br>2 100-41-4<br>2 1634-04-4<br>2 91-20-3  | Qual |
| WIGRO GCV<br>Benzene<br>Ethylbenzene   | Analytical<br><0.40<br><0.39<br><0.48<br><0.42  | Method: WI MC<br>ug/L<br>ug/L<br>ug/L<br>ug/L         | 1.0<br>1.0<br>1.0<br>1.0               | 0.40<br>0.39<br>0.48<br>0.42                 | 1<br>1<br>1           | Prepared     | 03/15/16 18:4<br>03/15/16 18:4<br>03/15/16 18:4<br>03/15/16 18:4                                   | 2 71-43-2<br>2 100-41-4<br>2 1634-04-4<br>2 91-20-3<br>2 108-88-3                            | Qual |
| NIGRO GCV  Benzene Ethylbenzene Methyl-tert-butyl ether Naphthalene Toluene 1,2,4-Trimethylbenzene | <pre>Analytical   &lt;0.40   &lt;0.39   &lt;0.48   &lt;0.42   &lt;0.39</pre>            | Method: WI MC<br>ug/L<br>ug/L<br>ug/L<br>ug/L<br>ug/L | 1.0<br>1.0<br>1.0<br>1.0<br>1.0        | 0.40<br>0.39<br>0.48<br>0.42<br>0.39         | 1<br>1<br>1<br>1      | Prepared     | 03/15/16 18:4<br>03/15/16 18:4<br>03/15/16 18:4<br>03/15/16 18:4<br>03/15/16 18:4                  | 2 71-43-2<br>2 100-41-4<br>2 1634-04-4<br>2 91-20-3<br>2 108-88-3<br>2 95-63-6               | Qual |
| WIGRO GCV Benzene Ethylbenzene Methyl-tert-butyl ether Naphthalene Foluene                         | <pre>Analytical   &lt;0.40   &lt;0.39   &lt;0.48   &lt;0.42   &lt;0.39   &lt;0.42</pre> | Method: WI MC ug/L ug/L ug/L ug/L ug/L ug/L ug/L      | 1.0<br>1.0<br>1.0<br>1.0<br>1.0<br>1.0 | 0.40<br>0.39<br>0.48<br>0.42<br>0.39<br>0.42 | 1<br>1<br>1<br>1<br>1 | Prepared     | 03/15/16 18:4<br>03/15/16 18:4<br>03/15/16 18:4<br>03/15/16 18:4<br>03/15/16 18:4<br>03/15/16 18:4 | 2 71-43-2<br>2 100-41-4<br>2 1634-04-4<br>2 91-20-3<br>2 108-88-3<br>2 95-63-6<br>2 108-67-8 | Qual |



#### **QUALITY CONTROL DATA**

Project:

DONALD STORE

Pace Project No.:

40129262

QC Batch:

GCV/15810

Analysis Method:

WI MOD GRO

QC Batch Method:

WI MOD GRO

Analysis Description:

WIGRO GCV Water

Associated Lab Samples:

40129262001, 40129262002, 40129262003, 40129262004, 40129262005

METHOD BLANK: 1306342

Date: 03/16/2016 04:49 PM

Matrix: Water

Associated Lab Samples: 40129262001, 40129262002, 40129262003, 40129262004, 40129262005

|                            |       | Blank  | Reporting |                |            |
|----------------------------|-------|--------|-----------|----------------|------------|
| Parameter                  | Units | Result | Limit     | Analyzed       | Qualifiers |
| 1,2,4-Trimethylbenzene     | ug/L  | <0.42  | 1.0       | 03/15/16 10:18 |            |
| 1,3,5-Trimethylbenzene     | ug/L  | <0.42  | 1.0       | 03/15/16 10:18 |            |
| Benzene                    | ug/L  | <0.40  | 1.0       | 03/15/16 10:18 |            |
| Ethylbenzene               | ug/L  | <0.39  | 1.0       | 03/15/16 10:18 |            |
| Methyl-tert-butyl ether    | ug/L  | <0.48  | 1.0       | 03/15/16 10:18 |            |
| Naphthalene                | ug/L  | <0.42  | 1.0       | 03/15/16 10:18 |            |
| Toluene                    | ug/L  | < 0.39 | 1.0       | 03/15/16 10:18 |            |
| Xylene (Total)             | ug/L  | <1.2   | 3.0       | 03/15/16 10:18 |            |
| a,a,a-Trifluorotoluene (S) | %     | 105    | 80-120    | 03/15/16 10:18 |            |

| LABORATORY CONTROL SAMPL   | E & LCSD: 1306343 |       | 13     | 306344 |       |       |        |     |     |            |
|----------------------------|-------------------|-------|--------|--------|-------|-------|--------|-----|-----|------------|
|                            |                   | Spike | LCS    | LCSD   | LCS   | LCSD  | % Rec  |     | Max |            |
| Parameter                  | Units             | Conc. | Result | Result | % Rec | % Rec | Limits | RPD | RPD | Qualifiers |
| 1,2,4-Trimethylbenzene     | ug/L              | 20    | 20.7   | 20.7   | 103   | 103   | 80-120 | 0   | 20  |            |
| 1,3,5-Trimethylbenzene     | ug/L              | 20    | 20.5   | 20.4   | 102   | 102   | 80-120 | 0   | 20  |            |
| Benzene                    | ug/L              | 20    | 21.8   | 21.7   | 109   | 108   | 80-120 | 1   | 20  |            |
| Ethylbenzene               | ug/L              | 20    | 20.7   | 20.6   | 103   | 103   | 80-120 | 0   | 20  |            |
| Methyl-tert-butyl ether    | ug/L              | 20    | 20.7   | 20.7   | 104   | 103   | 80-120 | 0   | 20  |            |
| Naphthalene                | ug/L              | 20    | 20.7   | 20.6   | 104   | 103   | 80-120 | 1   | 20  |            |
| Toluene                    | ug/L              | 20    | 21.3   | 21.0   | 107   | 105   | 80-120 | 2   | 20  |            |
| Xylene (Total)             | ug/L              | 60    | 60.5   | 59.9   | 101   | 100   | 80-120 | 1   | 20  |            |
| a,a,a-Trifluorotoluene (S) | %                 |       |        |        | 103   | 104   | 80-120 |     |     |            |

| MATRIX SPIKE & MATRIX SP   | PIKE DUPLICA | ATE: 13064           | 53                   |                       | 1306454      |               |             |              |        |     |            |        |
|----------------------------|--------------|----------------------|----------------------|-----------------------|--------------|---------------|-------------|--------------|--------|-----|------------|--------|
| Parameter                  | 4<br>Units   | 0129262002<br>Result | MS<br>Spike<br>Conc. | MSD<br>Spike<br>Conc. | MS<br>Result | MSD<br>Result | MS<br>% Rec | MSD<br>% Rec | % Rec  | RPD | Max<br>RPD | Qual   |
|                            |              |                      |                      |                       |              |               |             |              |        |     |            | — Quai |
| 1,2,4-Trimethylbenzene     | ug/L         | 568                  | 200                  | 200                   | 838          | 840           | 135         | 136          | 29-200 | 0   | 20         |        |
| 1,3,5-Trimethylbenzene     | ug/L         | 200                  | 200                  | 200                   | 455          | 454           | 127         | 127          | 57-171 | 0   | 20         |        |
| Benzene                    | ug/L         | 29.6                 | 200                  | 200                   | 245          | 245           | 108         | 107          | 69-150 | 0   | 20         |        |
| Ethylbenzene               | ug/L         | 202                  | 200                  | 200                   | 403          | 405           | 100         | 102          | 80-146 | 1   | 20         |        |
| Methyl-tert-butyl ether    | ug/L         | <4.8                 | 200                  | 200                   | 204          | 207           | 102         | 103          | 80-120 | 1   | 20         |        |
| Naphthalene                | ug/L         | 151                  | 200                  | 200                   | 367          | 377           | 108         | 113          | 66-137 | 3   | 20         |        |
| Toluene                    | ug/L         | 7.3J                 | 200                  | 200                   | 224          | 222           | 108         | 107          | 67-156 | 1   | 20         |        |
| Xylene (Total)             | ug/L         | 646                  | 600                  | 600                   | 1260         | 1270          | 102         | 104          | 71-162 | 1   | 20         |        |
| a,a,a-Trifluorotoluene (S) | %            |                      |                      |                       |              |               | 102         | 104          | 80-120 |     |            |        |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.





### **QUALIFIERS**

Project: DONALD STORE
Pace Project No.: 40129262

#### **DEFINITIONS**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

**RPD - Relative Percent Difference** 

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

#### **LABORATORIES**

Date: 03/16/2016 04:49 PM

PASI-G Pace Analytical Services - Green Bay



# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project:

DONALD STORE

Pace Project No.: 40129262

Date: 03/16/2016 04:49 PM

| Lab ID      | Sample ID  | QC Batch Method | QC Batch  | Analytical Method | Analytical<br>Batch |
|-------------|------------|-----------------|-----------|-------------------|---------------------|
| 40129262001 | D1         | WI MOD GRO      | GCV/15810 |                   |                     |
| 40129262002 | D2         | WI MOD GRO      | GCV/15810 |                   |                     |
| 40129262003 | MW-800     | WI MOD GRO      | GCV/15810 |                   |                     |
| 40129262004 | P-800      | WI MOD GRO      | GCV/15810 |                   |                     |
| 40129262005 | TRIP BLANK | WI MOD GRO      | GCV/15810 |                   |                     |

| (Please Print Clearly)  |   |   | )                          |                               |                                       | UPPER MIDV   | VEST R   | <u>EGION</u>        | Page 1 of                                |
|---|---|---|----------------------------|-------------------------------|---------------------------------------|--------------|----------|---------------------|--|
| Company Name: Meridian Ex   | u CV ts                                       | <b>/</b>  | ,                          |                               |                                       | MN: 612-607  | -1700    | WI: 920-469-2436    | •  |
| Branch/Location:  |   | /_ Fac  | e Analytik<br>www.pacelabs | cal 🗼                         | $\mathcal{M}$                         |              |          |                     | 40129262                                 |
| Project Contact: Ken Shin<br>Phone: 715-832-6                                 | uko   | - 1   |                            | _                             | 6,                                    |              |          | Quote #:            | Ken Shinko<br>Mendin Ruca                |
| Phone: 715-832-6  | 508   | CH  | AIN O                      | F CUS                         | OT                                    | DY           | _        | Mail To Contact:    | Mendia Ruce                              |
| Project Number:   |   | A=None B=HCL (  |                            | vation Codes<br>D3 E=DI Water | F=Methan                              | ol G=NaOH    |          | Mail To Company:    |  |
| Project Name: Oonald St   | ose   | H=Sodium Bisulfate Sol                                | lution [=Sodi              | um Thiosulfate                | J=Other                               |              | <u> </u> | Mail To Address:    | 2711 N. Elio                             |
| Project State: LØ I   |   | FILTERED?<br>(YES/NO)                                 |                            |                               |                                       |              |          |                     | 7711 N. Felio 1<br>Fall Crek WI<br>54742 |
| Sampled By (Print): Ken Shin  | ا کل  | RESERVATION Picture (CODE)*                           |                            |                               |                                       |              | <u> </u> | Invoice To Contact: | 54742                                    |
| Sampled By (Sign):  |   | ã.  |                            |                               |                                       |              | 1        | Invoice To Company: |  |
| PO#:  | Regulatory<br>Program:                        | es le   | tway                       |                               |                                       |              |          | Invoice To Address: |  |
| Data Package Options MS/MSD   | Matrix (                                      | Codes S   |                            |                               |                                       |              |          |                     |  |
| EPA Level IV On your sample (billable)  | B = Blots DW<br>C = Charcoal GW<br>O = Oil SW | = Drinking Water<br>= Ground Water<br>= Surface Water | Ct                         |                               |                                       |              |          | Invoice To Phone:   |  |
| your sample PACE LAB# CLIENT FIELD ID   | S = Soil WW<br>Si = Sludge WP<br>COLLECTK     | = Waste Water<br>= Wipe<br>DN MATRIX                  | PVBC                       |                               |                                       |              |          | CLIENT<br>COMMENTS  | LAB COMMENTS Profile (Lab Use Only)      |
| 001 01  | 3/9   | 610   | · v                        |                               | 1                                     |              | <u> </u> |                     | 3-40WJB                                  |
| 002 02  | 1   |   |                            |                               |                                       |              |          |                     |  |
| 003 pm-800  |   |   |                            |                               |                                       |              |          |                     |  |
|   |   | Ψ   | V                          |                               |                                       |              |          |                     |  |
| 005 0 TripBlan  |   |   |                            |                               |                                       |              |          |                     | 2-40ml/0                                 |
|   |   |   |                            |                               |                                       |              |          |                     |  |
|   |   |   |                            |                               |                                       |              |          |                     |  |
|   |   |   |                            |                               |                                       |              |          |                     |  |
|   |   |   |                            | "                             |                                       |              | ,        |                     |  |
|   |   |   |                            |                               |                                       |              |          |                     |  |
|   |   | 100   |                            |                               |                                       |              |          |                     |  |
|   |   |   |                            |                               |                                       |              |          |                     |  |
|   |   |   |                            |                               |                                       |              |          |                     |  |
| Rush Turnaround Time Requested - Pre<br>(Rush TAT subject to approval/surchar |   | ed By:  | 3/12                       | Date/Time:                    | 202                                   | Received By: | han      | 3/10/16             | PACE Project No.                         |
| Date Needed:  | Rollinquiel                                   | 76d 8y.   | A                          | Sate/Time:                    | (3-7) (F                              | Received By: | , PK     | Date/Time:          | 014 40129262                             |
| Transmit Prelim Rush Results by (complete what you<br>Email #1:               | ı want): Relinguişi                           | ned By:   | com =                      | Date/Time:                    | 1745                                  | Received By: | CABY     | Hay Date/Time:      | Receipt Temp = 201                       |
| Email #2:   |   |   |                            |                               |                                       |              |          |                     | Sample Receipt pH                        |
| Telephone:  | Relinquist                                    | ned By:   | I                          | Date/Time:                    |                                       | Received By: |          | Date/Time:          | OK / Adjusted  Cooler Custody Seal       |
| Samples on HOLD are subject to special pricing and release of liability       | Relinquish                                    | ned By:   |                            | Date/Time:                    | · · · · · · · · · · · · · · · · · · · | Received By: |          | Date/Time:          | Present / Not Present                    |
|   | Park v  | ships   | rest o                     | Lab                           | ada                                   | led t        | to       | COC. 3117           | ORIGINAL                                 |

# **Sample Condition Upon Receipt**

Pace Analytical Services, Inc. 1241 Bellevue Street, Suite 9 Green Bay, WI, 54302

| and the state of the state of the state of the state of the state of the state of the state of the state of the |                          |                          | 1241 Bellevue Street, Suite 9<br>Green Bay, WI 54302 |
|---|--------------------------|--------------------------|--|
| Pace Analytical .   |                          | Project #: 1.10# •       | 1010000  |
| Client Name: Meridia  | en,                      | Project #. WO# :         | 40129262   |
| Courier: Fed Ex F UPS F Client F Pa   | ice Other: Unit          | an                       |  |
| Tracking #:   | 5                        | 40129262                 |  |
| Custody Seal on Cooler/Box Present:   yes   | • ' \ ' ' '              |                          |  |
| Custody Seal on Samples Present: Tyes T<br>Packing Material: Subble Wrap Yeu                                    |                          |                          |  |
| Thermometer Used  | Type of ice (Wet) Blue   |                          | n ice, cooling process has begun                     |
| Cooler Temperature Uncorr: RD, L /Corr:   |                          | al Tissue is Frozen: yes | in loo, cooming process has began                    |
| Temp Blank Present: yes ix no   |                          | 厂 no                     | Person examining contents:                           |
| Temp should be above freezing to 6°C for all sample e   | xcept Biota.             |                          | Date: 3 1/-/o  |
| Frozen Biota Samples should be received ≤ 0°C.  | . /                      | mments:                  | minais:  |
| Chain of Custody Present:   | Yes □No □N/A 1.          |                          |  |
| Chain of Custody Filled Out:  | ØYes □No □N/A 2.         | <del></del>              | ·  |
| Chain of Custody Relinquished:  | ØYes □No □N/A 3.         |                          |  |
| Sampler Name & Signature on COC:  | ØYes □No □N/A 4.         |                          |  |
| Samples Arrived within Hold Time:   | Pres □No □N/A 5.         |                          |  |
| - VOA Samples frozen upon receipt   | □Yes □No Dat             | te/Time:                 |  |
| Short Hold Time Analysis (<72hr):   | □Yes <b>Ø</b> No □N/A 6. |                          |  |
| Rush Turn Around Time Requested:  | □Yes □NA 7.              |                          |  |
| Sufficient Volume:  | ÓYes □No □N/A 8.         |                          |  |
| Correct Containers Used:  | ØYes □No □N/A 9.         |                          |  |
| -Pace Containers Used:  | Yes ONO ONA              |                          |  |
| -Pace IR Containers Used:   | □Yes □No ØÑA             |                          |  |
| Containers Intact:  | ØYes □No □N/A 10.        | ·                        |  |
| Filtered volume received for Dissolved tests  | □Yes □No ŒNVA 11.        |                          | 4500   |
| Sample Labels match COC:  | □Yes DNo □NA 12          |                          | Panysle is 1980                                      |
| -Includes date/time/ID/Analysis Matrix:   | W                        | Replect date +           | 3+1+6  |
| All containers needing preservation have been checked (Non-Compliance noted in 13.)                             | i.<br>□Yes □No AÑVA 13.  | MN03 MH2SO4              | NaOH NaOH +ZnAct                                     |
| All containers needing preservation are found to be in  |                          | •                        |  |
| compliance with EPA recommendation.<br>(HNO3, H2SQ4_≤2; NaOH+ZnAct ≥9, NaOH ≥12)                                | □Yes □No □M/A            |                          |  |
| exception VOA coliform, TOC, TOX, TOH,  |                          | al when Lab Std #ID of   | Date/  |
| O&G, WIDROW, Phenolics, OTHER:  |                          | npleted preservative     | Time:  |
| Headspace in VOA Vials ( >6mm):   | □Yes ØNo □N/A 14.        | T MI ON O                | at Lab allac   |
| Trip Blank Present:   | Pres □No □N/A 15.        | to COC.                  |  |
| Trip Blank Custody Seals Present  | Dives ONO ONIA           | 1                        | 311169   |
| Pace Trip Blank Lot # (if purchased): 27 Client Notification/ Resolution:                                       | 3-11-6 Sta               | If checked, see attac    | hed form for additional comments                     |
| Person Contacted:   | Date/Time                | ·                        |  |
| Comments/ Resolution: Viugual at  | d copy of                | COC in shipme            | zul 371-168Ke  |
|   |                          |                          | <del></del>  |
|   |                          | Ser.                     |  |
| Project Manager Paview  |                          | D-4                      | 2-11-11  |
| Project Manager Review:   | - 7/                     | Date:                    | 2-11-16  |
| F-GB-C-031-Rev.03 (9April2015) SCUR Form  | W                        |                          | Page 12 of 12  |





June 27, 2016

Kenneth Shimko Meridian Environmental Consulting, LLC 2711 North Elco Rd Fall Creek, WI 54742

RE: Project: DONALD STORE

Pace Project No.: 40134240

#### Dear Kenneth Shimko:

Enclosed are the analytical results for sample(s) received by the laboratory on June 23, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten

brian.basten@pacelabs.com

Project Manager

Enclosures







#### **CERTIFICATIONS**

Project:

DONALD STORE

Pace Project No.:

40134240

**Green Bay Certification IDs** 

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948 Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 US Dept of Agriculture #: S-76505 Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444



### **SAMPLE SUMMARY**

Project: DONALD STORE

Pace Project No.: 40134240

| Lab ID      | Sample ID  | Matrix | Date Collected | Date Received  |
|-------------|------------|--------|----------------|----------------|
| 40134240001 | D1         | Water  | 06/21/16 00:00 | 06/23/16 07:30 |
| 40134240002 | D2         | Water  | 06/21/16 00:00 | 06/23/16 07:30 |
| 40134240003 | MW-800     | Water  | 06/21/16 00:00 | 06/23/16 07:30 |
| 40134240004 | P-800      | Water  | 06/21/16 00:00 | 06/23/16 07:30 |
| 40134240005 | STANGRET   | Water  | 06/21/16 00:00 | 06/23/16 07:30 |
| 40134240006 | TRIP BLANK | Water  | 06/21/16 00:00 | 06/23/16 07:30 |

# **REPORT OF LABORATORY ANALYSIS**

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Page 3 of 12



# **SAMPLE ANALYTE COUNT**

Project:

DONALD STORE

Pace Project No.: 40134240

| Lab ID      | Sample ID  | Method     | Analysts | Analytes<br>Reported | Laboratory |
|-------------|------------|------------|----------|----------------------|------------|
| 40134240001 | D1         | WI MOD GRO | PMS      | 9                    | PASI-G     |
| 40134240002 | D2         | WI MOD GRO | PMS      | 9                    | PASI-G     |
| 40134240003 | MW-800     | WI MOD GRO | PM\$     | 9                    | PASI-G     |
| 40134240004 | P-800      | WI MOD GRO | PMS      | 9                    | PASI-G     |
| 40134240005 | STANGRET   | WI MOD GRO | PMS      | 9                    | PASI-G     |
| 40134240006 | TRIP BLANK | WI MOD GRO | PMS      | 9                    | PASI-G     |



#### **PROJECT NARRATIVE**

Project: DONALD STORE
Pace Project No.: 40134240

Method: WI MOD GRO Description: WIGRO GCV

Client: Meridian Environmental Consulting, LLC

Date: June 27, 2016

#### **General Information:**

6 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

#### **Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

#### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

#### **Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

#### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

#### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

#### **Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

#### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

#### **Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.



# **ANALYTICAL RESULTS**

Project:

DONALD STORE

Pace Project No.:

Date: 06/27/2016 03:15 PM

40134240

| Sample: D1                          | Lab ID: 4    | 0134240001       | Collecte | d: 06/21/1  | 00:00   | Received: 06  | 5/23/16 07:30 N   | latrix: Water |      |
|-------------------------------------|--------------|------------------|----------|-------------|---------|---------------|-------------------|---------------|------|
| Parameters                          | Results      | Units            | LOQ      | LOD         | DF      | Prepared      | Analyzed          | CAS No.       | Qual |
| WIGRO GCV                           | Analytical M | lethod: WI MC    | DD GRO   |             |         |               |                   |               |      |
| Benzene                             | <0.40        | ug/L             | 1.0      | 0.40        | 1       |               | 06/25/16 01:43    | 3 71-43-2     |      |
| Ethylbenzene                        | < 0.39       | ug/L             | 1.0      | 0.39        | 1       |               | 06/25/16 01:43    | 3 100-41-4    |      |
| Methyl-tert-butyl ether             | <0.48        | ug/L             | 1.0      | 0.48        | 1       |               | 06/25/16 01:43    | 3 1634-04-4   |      |
| Naphthalene                         | <0.42        | ug/L             | 1.0      | 0.42        | 1       |               | 06/25/16 01:43    | 91-20-3       |      |
| Toluene                             | < 0.39       | ug/L             | 1.0      | 0.39        | 1'      |               | 06/25/16 01:43    | 3 108-88-3    |      |
| 1,2,4-Trimethylbenzene              | <0.42        | ug/L             | 1.0      | 0.42        | 1       |               | 06/25/16 01:43    | 95-63-6       |      |
| 1,3,5-Trimethylbenzene              | <0.42        | ug/L             | 1.0      | 0.42        | 1       |               | 06/25/16 01:43    |               |      |
| Xylene (Total)                      | <1.2         | ug/L             | 3.0      | 1.2         | 1       |               | 06/25/16 01:43    |               |      |
| Surrogates                          |              | <del></del> 9, - | 0.0      |             | •       |               | 00/20/10 01/10    |               |      |
| a,a,a-Trifluorotoluene (S)          | 102          | %                | 80-120   |             | 1       |               | 06/25/16 01:43    | 3 98-08-8     |      |
| Sample: D2                          | Lab ID: 4    | 0134240002       | Collecte | d: 06/21/10 | 00:00   | Received: 06  | 6/23/16 07:30 M   | latrix: Water |      |
| Parameters                          | Results      | Units            | LOQ      | LOD         | DF      | Prepared      | Analyzed          | CAS No.       | Qual |
| WIGRO GCV                           | Analytical M | ethod: WI MC     | D GRO    |             |         |               |                   |               |      |
| Benzene                             | 72.7         | ug/L             | 10.0     | 4.0         | 10      |               | 06/25/16 06:00    | 71-43-2       |      |
| Ethylbenzene                        | 509          | ug/L             | 10.0     | 3.9         | 10      |               | 06/25/16 06:00    |               |      |
| Methyl-tert-butyl ether             | <4.8         | ug/L             | 10.0     | 4.8         | 10      |               | 06/25/16 06:00    |               |      |
| Naphthalene                         | 399          | ug/L             | 10.0     | 4.2         | 10      |               | 06/25/16 06:00    |               |      |
| Toluene                             | 5.4J         | ug/L             | 10.0     | 3.9         | 10      |               | 06/25/16 06:00    |               |      |
| 1,2,4-Trimethylbenzene              | 591          | ug/L             | 10.0     | 4.2         | 10      |               | 06/25/16 06:00    |               |      |
| 1,3,5-Trimethylbenzene              | 304          | ug/L             | 10.0     | 4.2         | 10      |               | 06/25/16 06:00    |               |      |
| Xylene (Total)                      | 697          | ug/L             | 30.0     | 12.5        | 10      |               | 06/25/16 06:00    |               |      |
| Surrogates                          | 007          | ug/L             | 30.0     | 12.5        | 10      |               | 00/23/10 00.00    | 1000-20-7     |      |
| a,a,a-Trifluorotoluene (S)          | 104          | %                | 80-120   |             | 10      |               | 06/25/16 06:00    | 98-08-8       |      |
| Sample: MW-800                      | I ah ID: 4   | 0134240003       | Collecte | d: 06/21/16 | 3 00:00 | Received: 06  | S/23/16 07:30 M   | latrix: Water |      |
| eample: mvv-000                     | 245 15. 4    | 0104240000       | Concete  | u. 00/21/10 | 00.00   | recoursed. oc | 77 Z 37 10 37 .33 | iatrix. Water |      |
| Parameters                          | Results      | Units            | LOQ      | LOD         | DF      | Prepared      | Analyzed          | CAS No.       | Qual |
| WIGRO GCV                           | Analytical M | ethod: WI MC     | D GRO    |             |         |               |                   |               |      |
| Benzene                             | <0.40        | ug/L             | 1.0      | 0.40        | 1       |               | 06/25/16 02:09    |               |      |
| Ethylbenzene                        | <0.39        | ug/L             | 1.0      | 0.39        | 1       |               | 06/25/16 02:09    | 100-41-4      |      |
| Methyl-tert-butyl ether             | <0.48        | ug/L             | 1.0      | 0.48        | 1       |               | 06/25/16 02:09    | 1634-04-4     |      |
| Naphthalene                         | <0.42        | ug/L             | 1.0      | 0.42        | 1       |               | 06/25/16 02:09    | 91-20-3       |      |
| Toluene                             | <0.39        | ug/L             | 1.0      | 0.39        | 1       |               | 06/25/16 02:09    | 108-88-3      |      |
| 1,2,4-Trimethylbenzene              | <0.42        | ug/L             | 1.0      | 0.42        | 1       |               | 06/25/16 02:09    | 95-63-6       |      |
| 1,3,5-Trimethylbenzene              | <0.42        | ug/L             | 1.0      | 0.42        | 1       |               | 06/25/16 02:09    | 108-67-8      |      |
| Xylene (Total)<br><b>Surrogates</b> | <1.2         | ug/L             | 3.0      | 1.2         | 1       |               | 06/25/16 02:09    |               |      |
| a,a,a-Trifluorotoluene (S)          | 101          | %                | 80-120   |             | 1       |               | 06/25/16 02:09    | 98-08-8       |      |



# **ANALYTICAL RESULTS**

Project:

DONALD STORE

Pace Project No.:

Date: 06/27/2016 03:15 PM

40134240

| Sample: P-800                       | Lab ID: 40    | 134240004    | Collected | 1: 06/21/16 | 00:00 | Received: 06 | 6/23/16 07:30 M  | atrix: Water |      |
|-------------------------------------|---------------|--------------|-----------|-------------|-------|--------------|------------------|--------------|------|
| Parameters                          | Results       | Units        | LOQ       | LOD         | DF    | Prepared     | Analyzed         | CAS No.      | Qual |
| WIGRO GCV                           | Analytical Me | ethod: WI MC | D GRO     |             |       |              |                  |              |      |
| Benzene                             | <0.40         | ug/L         | 1.0       | 0.40        | 1     |              | 06/25/16 02:35   | 71-43-2      |      |
| Ethylbenzene                        | <0.39         | ug/L         | 1.0       | 0.39        | 1     |              | 06/25/16 02:35   | 100-41-4     |      |
| Methyl-tert-butyl ether             | <0.48         | ug/L         | 1.0       | 0.48        | 1     |              | 06/25/16 02:35   | 1634-04-4    |      |
| Naphthalene                         | <0.42         | ug/L         | 1.0       | 0.42        | 1     |              | 06/25/16 02:35   | 91-20-3      |      |
| Toluene                             | <0.39         | ug/L         | 1.0       | 0.39        | 1     |              | 06/25/16 02:35   | 108-88-3     |      |
| 1,2,4-Trimethylbenzene              | <0.42         | ug/L         | 1.0       | 0.42        | 1     |              | 06/25/16 02:35   | 95-63-6      |      |
| 1,3,5-Trimethylbenzene              | <0.42         | ug/L         | 1.0       | 0.42        | 1     |              | 06/25/16 02:35   | 108-67-8     |      |
| Xylene (Total)                      | <1.2          | ug/L         | 3.0       | 1.2         | 1     |              | 06/25/16 02:35   |              |      |
| Surrogates                          |               |              |           |             |       |              |                  |              |      |
| a,a,a-Trifluorotoluene (S)          | 103           | %            | 80-120    |             | 1     |              | 06/25/16 02:35   | 98-08-8      |      |
| Sample: STANGRET                    | Lab ID: 40    | 134240005    | Collected | l: 06/21/16 | 00:00 | Received: 06 | 6/23/16 07:30 Ma | atrix: Water |      |
| Parameters                          | Results       | Units        | LOQ       | LOD         | DF    | Prepared     | Analyzed         | CAS No.      | Qual |
| WIGRO GCV                           | Analytical Me | thod: WI MC  | D GRO     |             |       |              |                  |              |      |
| Benzene                             | <0.40         | ug/L         | 1.0       | 0.40        | 1     |              | 06/25/16 01:18   | 71-43-2      |      |
| Ethylbenzene                        | <0.39         | ug/L         | 1.0       | 0.39        | 1     |              | 06/25/16 01:18   | 100-41-4     |      |
| Methyl-tert-butyl ether             | <0.48         | ug/L         | 1.0       | 0.48        | 1     |              | 06/25/16 01:18   | 1634-04-4    |      |
| Naphthalene                         | <0.42         | ug/L         | 1.0       | 0.42        | 1     |              | 06/25/16 01:18   | 91-20-3      |      |
| Toluene                             | <0.39         | ug/L         | 1.0       | 0.39        | 1     |              | 06/25/16 01:18   | 108-88-3     |      |
| 1,2,4-Trimethylbenzene              | <0.42         | ug/L         | 1.0       | 0.42        | 1     |              | 06/25/16 01:18   | 95-63-6      |      |
| 1,3,5-Trimethylbenzene              | <0.42         | ug/L         | 1.0       | 0.42        | 1     |              | 06/25/16 01:18   | 108-67-8     |      |
| Xylene (Total)<br><b>Surrogates</b> | <1.2          | ug/L         | 3.0       | 1.2         | 1     |              | 06/25/16 01:18   | 1330-20-7    |      |
| a,a,a-Trifluorotoluene (S)          | 102           | %            | 80-120    |             | 1     |              | 06/25/16 01:18   | 98-08-8      |      |
| Sample: TRIP BLANK                  | Lab ID: 40    | 134240006    | Collected | 1: 06/21/16 | 00:00 | Received: 06 | /23/16 07:30 Ma  | atrix: Water |      |
| Parameters                          | Results       | Units        | LOQ       | LOD         | DF    | Prepared     | Analyzed         | CAS No.      | Qual |
| WIGRO GCV                           | Analytical Me | thod: WI MC  | D GRO     |             |       |              |                  |              |      |
| Benzene                             | <0.40         | ug/L         | 1.0       | 0.40        | 1     |              | 06/25/16 04:43   | 71-43-2      |      |
| Ethylbenzene                        | <0.39         | ug/L         | 1.0       | 0.39        | 1     |              | 06/25/16 04:43   | 100-41-4     |      |
| Methyl-tert-butyl ether             | <0.48         | ug/L         | 1.0       | 0.48        | 1     |              | 06/25/16 04:43   |              |      |
| Naphthalene                         | <0.42         | ug/L         | 1.0       | 0.42        | 1     |              | 06/25/16 04:43   | 91-20-3      |      |
| Toluene                             | <0.39         | ug/L         | 1.0       | 0.39        | 1     |              | 06/25/16 04:43   |              |      |
| 1,2,4-Trimethylbenzene              | <0.42         | ug/L         | 1.0       | 0.42        | 1     |              | 06/25/16 04:43   |              |      |
| 1,3,5-Trimethylbenzene              | <0.42         | ug/L         | 1.0       | 0.42        | 1     |              | 06/25/16 04:43   |              |      |
| Xylene (Total)                      | <1.2          | ug/L         | 3.0       | 1.2         | 1     |              | 06/25/16 04:43   |              |      |
| • • •                               |               |              |           |             |       |              |                  |              |      |

### **REPORT OF LABORATORY ANALYSIS**

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# **QUALITY CONTROL DATA**

Project: DONALD STORE

Date: 06/27/2016 03:15 PM

501171250

Pace Project No.: 40134240

QC Batch: GCV/16204 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water

Associated Lab Samples: 40134240001, 40134240002, 40134240003, 40134240004, 40134240005, 40134240006

METHOD BLANK: 1354459 Matrix: Water

Associated Lab Samples: 40134240001, 40134240002, 40134240003, 40134240004, 40134240005, 40134240006

|                            |       | Blank  | Reporting |                |            |
|----------------------------|-------|--------|-----------|----------------|------------|
| Parameter                  | Units | Result | Limit     | Analyzed       | Qualifiers |
| 1,2,4-Trimethylbenzene     | ug/L  | <0.42  | 1.0       | 06/24/16 23:35 |            |
| 1,3,5-Trimethylbenzene     | ug/L  | <0.42  | 1.0       | 06/24/16 23:35 |            |
| Benzene                    | ug/L  | <0.40  | 1.0       | 06/24/16 23:35 |            |
| Ethylbenzene               | ug/L  | <0.39  | 1.0       | 06/24/16 23:35 |            |
| Methyl-tert-butyl ether    | ug/L  | <0.48  | 1.0       | 06/24/16 23:35 |            |
| Naphthalene                | ug/L  | <0.42  | 1.0       | 06/24/16 23:35 |            |
| Toluene                    | ug/L  | <0.39  | 1.0       | 06/24/16 23:35 |            |
| Xylene (Total)             | ug/L  | <1.2   | 3.0       | 06/24/16 23:35 |            |
| a,a,a-Trifluorotoluene (S) | %     | 103    | 80-120    | 06/24/16 23:35 |            |

| LABORATORY CONTROL SAMPL   | .E & LCSD: 135446 | 0     | 13     | 354461 |       |       |        |     |     |            |
|----------------------------|-------------------|-------|--------|--------|-------|-------|--------|-----|-----|------------|
|                            |                   | Spike | LCS    | LCSD   | LCS   | LCSD  | % Rec  |     | Max |            |
| Parameter                  | Units             | Conc. | Result | Result | % Rec | % Rec | Limits | RPD | RPD | Qualifiers |
| 1,2,4-Trimethylbenzene     | ug/L              | 20    | 19.9   | 19.4   | 99    | 97    | 80-120 | 3   | 20  |            |
| 1,3,5-Trimethylbenzene     | ug/L              | 20    | 19.4   | 19.0   | 97    | 95    | 80-120 | 2   | 20  |            |
| Benzene                    | ug/L              | 20    | 20.7   | 20.4   | 104   | 102   | 80-120 | 1   | 20  |            |
| Ethylbenzene               | ug/L              | 20    | 19.6   | 19.3   | 98    | 97    | 80-120 | 1   | 20  |            |
| Methyl-tert-butyl ether    | ug/L              | 20    | 21.9   | 21.1   | 109   | 106   | 80-120 | 3   | 20  |            |
| Naphthalene                | ug/L              | 20    | 20.4   | 19.9   | 102   | 99    | 80-120 | 3   | 20  |            |
| Toluene                    | ug/L              | 20    | 20.0   | 19.7   | 100   | 99    | 80-120 | 1   | 20  |            |
| Xylene (Total)             | ug/L              | 60    | 59.2   | 58.6   | 99    | 98    | 80-120 | 1   | 20  |            |
| a,a,a-Trifluorotoluene (S) | %                 |       |        |        | 103   | 101   | 80-120 |     |     |            |

| MATRIX SPIKE & MATRIX SP   | PIKE DUPLICA | TE: 13546            | 82                   |                       | 1354683      |               |             |              |                 |     |            |      |
|----------------------------|--------------|----------------------|----------------------|-----------------------|--------------|---------------|-------------|--------------|-----------------|-----|------------|------|
| Parameter                  | 4<br>Units   | 0134240002<br>Result | MS<br>Spike<br>Conc. | MSD<br>Spike<br>Conc. | MS<br>Result | MSD<br>Result | MS<br>% Rec | MSD<br>% Rec | % Rec<br>Limits | RPD | Max<br>RPD | Qual |
| 1,2,4-Trimethylbenzene     | ug/L         | 591                  | 200                  | 200                   | 830          | 843           | 120         | 126          | 48-177          |     | 20         |      |
| 1,3,5-Trimethylbenzene     | ug/L         | 304                  | 200                  | 200                   | 564          | 573           | 130         | 134          | 73-145          | 2   | 20         |      |
| Benzene                    | ug/L         | 72.7                 | 200                  | 200                   | 281          | 285           | 104         | 106          | 74-139          | 1   | 20         |      |
| Ethylbenzene               | ug/L         | 509                  | 200                  | 200                   | 683          | 709           | 87          | 100          | 74-140          | 4   | 20         |      |
| Methyl-tert-butyl ether    | ug/L         | <4.8                 | 200                  | 200                   | 220          | 213           | 110         | 106          | 80-120          | 3   | 20         |      |
| Naphthalene                | ug/L         | 399                  | 200                  | 200                   | 606          | 591           | 103         | 96           | 73-133          | 3   | 20         |      |
| Toluene                    | ug/L         | 5.4J                 | 200                  | 200                   | 214          | 219           | 104         | 107          | 80-128          | 2   | 20         |      |
| Xylene (Total)             | ug/L         | 697                  | 600                  | 600                   | 1290         | 1330          | 100         | 106          | 69-143          | 3   | 20         |      |
| a,a,a-Trifluorotoluene (S) | %            |                      |                      |                       |              |               | 101         | 101          | 80-120          |     |            |      |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



#### **QUALIFIERS**

Project: DONALD STORE
Pace Project No.: 40134240

#### **DEFINITIONS**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

#### LABORATORIES

Date: 06/27/2016 03:15 PM

PASI-G Pace Analytical Services - Green Bay



### **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project:

DONALD STORE

Pace Project No.:

Date: 06/27/2016 03:15 PM

40134240

| Lab ID      | Sample ID  | QC Batch Method | QC Batch  | Analytical Method | Analytical<br>Batch |
|-------------|------------|-----------------|-----------|-------------------|---------------------|
| 40134240001 | D1         | WI MOD GRO      | GCV/16204 |                   |                     |
| 40134240002 | D2         | WI MOD GRO      | GCV/16204 |                   |                     |
| 40134240003 | MW-800     | WI MOD GRO      | GCV/16204 |                   |                     |
| 40134240004 | P-800      | WI MOD GRO      | GCV/16204 |                   |                     |
| 40134240005 | STANGRET   | WI MOD GRO      | GCV/16204 |                   |                     |
| 40134240006 | TRIP BLANK | WI MOD GRO      | GCV/16204 |                   |                     |

|                           | (Please Print Cle   | early)          |  | ]   |                 |               |                             |              |  |        |                         | <u>UPPER</u> | MIDWE        | ST RI     | EGION               |             |             | Page                       | 1 0       | of O        |
|---------------------------|---|-----------------|--|---|-----------------|---------------|-----------------------------|--------------|--|--------|-------------------------|--------------|--------------|-----------|---------------------|-------------|-------------|----------------------------|-----------|-------------|
| Company Name:             | Mendie  | Este            | Osth   | 1   | Æ               |               |                             |              | _  |        |                         | MN: 6        | 12-607-17    | 700       | WI: 920-469-2436    |             |             |                            |           | . 2         |
| Branch/Location           | 1   | <u>.</u>        | <u> </u>   | /   |                 | Pace.         | Ana                         | lytic        | al"  | 2      | $\mathcal{L}_{\lambda}$ |              |              |           |                     |             |             | 4013                       | 120       |             |
| Project Contact:          | Ken S   | hine            | >  |   |                 |               |                             |              |  | C      | <b>X</b>                |              |              |           | Quote #:            |             |             |                            |           | Pag         |
| Phone:                    | 715-8   |                 |  | i '                                       |                 | CHA           | <b>N</b> L                  | OF           | : Cl   | JS.    | TO                      | DY           |              | ı         | Mail To Contact:    | K           | en          | . Shi                      | w         | 6           |
| Project Number:           |   |                 |  | A=No                                      |                 |               | 2804                        |              | ation Code                                       | 85     | =Methano                |              |              |           | Mail To Company:    | M           | er          | Shi<br>N. Fi<br>Cree<br>Si | n         | E.C.        |
| Project Name:             | Donald  |                 |  | ]   |                 | tfate Solutio | n                           | 1=Sodius     | m Thiosulfa                                      | ate ja | Other                   |              |              |           | Mail To Address:    | 27          | 411         | N. FZ                      | ر د       | 02          |
| Project State:            | w   | エ               |  |   | ERED?<br>5/NO)  | YAM           |                             |              |  |        |                         | Í            | İ            |           |                     | Fa          | 20          | Cree                       | K         | WI          |
| Sampled By (Pri           | int): Ken S   | himko           | 2  |   | RVATION<br>DE)* |               |                             |              | ļ  |        |                         |              |              |           | Invoice To Contact: |             |             | 54                         | 174       | <u> </u>    |
| Sampled By (Sig           | gn):  |                 |  | 1   |                 |               | Z                           |              | 1  | ľ      |                         |              |              |           | Invoice To Company: |             |             |                            |           |             |
| PO #:                     | 11111   |                 | Regulatory<br>Program:                           |   |                 |               | 3                           | •            |  |        |                         |              |              |           | Invoice To Address: |             |             |                            |           |             |
| Data Package<br>(biliable |   | MSD             | Mat<br>- Air                                     | trix Codes                                | s               | اوًا          | 3                           |              | ]  |        |                         |              |              |           |                     |             |             |                            |           |             |
| ☐ EPA L                   | .evel III (b  | illable) C      | = Biota<br>:= Charcoal<br>:= Oil                 | DW = Drinki<br>GW = Groun<br>SW = Surface | nd Water        |               | <b>1</b> +                  |              |  |        | į                       |              |              |           | Invoice To Phone:   |             |             |                            |           |             |
| PACE LAB#                 |   | ır sample S     | = Soil<br>I≂ Sludge<br>COLL                      | WW = Wast<br>WP = Wipe<br>ECTION          |                 | Ę             | pvoc                        |              |  |        |                         |              |              |           | CLIENT<br>COMMENTS  |             |             | MMENT                      | _         | Profile #   |
| C DI                      | CLIENT FIEL   |                 | DATE   | TIME                                      | <b>├</b> ─      |               |                             | <del> </del> | -  |        |                         |              |              |           | COMMENTS            | <del></del> |             | se Only                    |           |             |
| W                         | $\underline{}$  |                 | 6/21   | ļ   | 610             |               | <u>x</u>                    | <u> </u>     | <u>                                     </u>     |        |                         |              |              |           |                     | 13          | <u>- 41</u> | VIMC                       | <u> </u>  |             |
| 002                       | DZ  |                 | 11   | <u> </u>                                  |                 |               | $\perp$                     | [            |  |        |                         |              |              |           |                     |             | <u> </u>    |                            |           |             |
| 1003                      | MW-800  | 2               | +11  |   | $\Gamma \Gamma$ |               |                             | 1            |  |        |                         |              |              |           |                     |             |             |                            |           |             |
| 1200                      | 9-800   |                 |  |   |                 |               |                             |              |  |        |                         |              |              |           | -                   |             |             |                            |           |             |
| 000                       | Stangre   | +               | 11   |   |                 |               | - 1                         |              |  |        |                         |              |              |           |                     |             | 1           |                            |           |             |
| 006                       | 14010pl   |                 |  |   |                 |               |                             |              |  |        |                         |              |              |           |                     | a           | Ŭ.          | Omli                       | В         |             |
|                           | , , , , , , , , , , , , , , , , , , ,                       | 3               |  |   |                 |               |                             |              |  |        |                         |              |              |           |                     |             |             | •                          |           |             |
|                           |   |                 |  | [.  |                 |               |                             |              |  |        |                         |              |              |           |                     |             |             |                            |           |             |
|                           |   | <del></del>     |  |   |                 |               |                             |              |  |        |                         |              |              | •         | <u>-</u> .          | <u> </u>    |             |                            |           |             |
|                           |   |                 | 1  |   |                 |               |                             |              |  |        |                         |              |              |           |                     |             |             | ···                        |           |             |
|                           |   | <del></del>     | <del>                                     </del> | <del> </del>                              | <del> </del>    |               |                             |              | <del>                                     </del> |        |                         |              |              |           |                     | 1           |             |                            |           |             |
|                           |   |                 |  |   | 1               |               |                             |              | 1  |        |                         |              |              |           |                     |             |             |                            |           |             |
|                           | <del></del>   |                 | 1  | <b> </b>                                  |                 |               |                             |              |  |        |                         |              |              |           |                     |             |             |                            |           | <del></del> |
|                           | around Time Reques  |                 |  | quished By:                               | 1               | - come many   |                             | / - D        | ate/Time:<br>ZZ-/                                | 1 6    | 72                      | Received     | By:<br>Luha  | <br>دور ۲ | 6-22-16             | Q           |             | PACI                       | Projec    | 1 / IC      |
|                           | T subject to approva<br>Date Needed:                        |                 | Refin  | quished B                                 | 1110            | 1/~~          |                             |              | ate/Time:  |        |                         | Received     | By: • \^     | ····      | KALDO DeterTime:    | 8           | 洌           | 701                        | <u>31</u> | 770         |
| Transmit Prelim Email #1: | Rush Results by (comple                                     | ete what you wa |  | quished By:                               | M               | 71.71         | $\mathcal{I}_{\mathcal{K}}$ | بكوي         | ate/Time:  | O C    | 130                     | Received     | $\mathbf{u}$ | L         | Date/Time:          | 200         | اطاد        | Receipt Temp               | R         | Di °c       |
| Email #2:                 | ·   |                 |  | -цианов бу.                               |                 |               |                             | D            | user raille.                                     |        | l                       |              | <b>~</b> j∙  |           | O Date / alie.      |             | t           | Samp                       | e Rece    | lpt pH      |
| Telephone:                |   |                 | Relin  | quished By:                               |                 |               |                             | D            | ate/Time;  |        |                         | Roceived     | Ву:          |           | Date/Time:          |             |             |                            | / Adjus   |             |
| Fax:                      |   |                 |  |   |                 |               |                             |              |  |        |                         |              |              |           |                     |             | [           | Cooler                     | _         | —— ì        |
|                           | nples on HOLD are subject<br>al pricing and release of lial |                 | Relin  | quished By:                               |                 |               |                             | Di           | ate/Time:  |        |                         | Received     | By:          |           | Date/Time;          |             | 1           | Present<br>Intact          | / Not i   |             |
|                           |   |                 |  |   |                 | <del></del>   |                             |              |  |        |                         |              |              |           | <del></del>         |             |             | ersion 6.0 06/14/          |           |             |

# Sample Condition Upon Receipt

Pace Analytical Services, Inc.

| <b>9</b>   |               | , iditi     | on opon iteo       | enakan en          | 1241 Bellevue Street, Suite 9<br>Green Bay, WI 54302  |
|--|---------------|-------------|--------------------|--------------------|---|
| / Pace Analytical  |               |             |                    |                    |   |
| نه مین ک   |               |             | Project #          | MO# :-             | 40134240  |
| Client Name: WECK  | an_           | _ · ,       |                    | #1 # # N 1 A #   1 |   |
| Courier: Fed Ex F UPS Client F Pac   | e Other:      | $\omega$    | com_               |                    |   |
| Tracking #: 1103d 17   | <u> </u>      | <del></del> |                    | 40134240           |   |
| Custody Seal on Cooler/Box Present: Tyes Custody Seal on Samples Present: Tyes       | /             |             | : 「yes  no         |                    | , agreement and a contract of the contract of |
| Packing Material:   Bubble Wrap   Bubble   |               |             | : Fyes 7 no        |                    |   |
| Thermometer Used   | •             |             | Blue Dry None      | ☐ Samples o        | on Ice, cooling process has begun   |
| Cooler Temperature Uncorr: RD / /Corr:   | Type of loc   |             | gical Tissue is Fr |                    | in loc, cooming process has began   |
| Temp Blank Present: yes / no   |               | -           |                    | 广 no               | Person examining contents:  |
| Temp should be above freezing to 6°C for all sample exc                              | cept Biota.   |             |                    |                    | Date: 0 · 25 · 10   |
| Frozen Biota Samples should be received ≤ 0°C.                                       |               |             | Comments:          |                    | Initials:   |
| Chain of Custody Present:  | ZYes □No      | □n/a        | 1.                 |                    |   |
| Chain of Custody Filled Out:   | □Yes DNo      | □n/a        | 2. Brunch          | J/POCO.            | KIDN DNOIRCH  |
| Chain of Custody Relinquished:   | Yes □No       | □N/A        | 3                  |                    | modeat  |
| Sampler Name & Signature on COC:   | Yes □No       | □N/A        | 4.                 |                    |   |
| Samples Arrived within Hold Time:  | Yes □No       | □N/A        | 5.                 |                    |   |
| - VOA Samples frozen upon receipt  | Yes □No       |             | Date/Time:         | •                  |   |
| Short Hold Time Analysis (<72hr):  | □Yes ZNo      | □n/a        | ì                  |                    |   |
| Rush Turn Around Time Requested:   | □Yes ØNo      | □N/A        | t                  |                    |   |
| Sufficient Volume:   | ZYes DNo      |             | i -                |                    |   |
|  | 1 / _         |             | Ī                  |                    |   |
| Correct Containers Used:   | Yes ONo       |             | 19.<br>            |                    |   |
| -Pace Containers Used:   | ✓ CYes □No    | □N/A        |                    |                    |   |
| -Pace IR Containers Used:  | Yes No        | ØN/A        | <u>}</u>           |                    | * V*.   |
| Containers Intact:   | Yes □No       | □N/A        | 10.                |                    |   |
| Filtered volume received for Dissolved tests   | □Yes □No      | Z)N/A       | 11.                |                    |   |
| Sample Labels match COC:   | □Yes XNo      | □N/A        | 12.003-7           | P WSC              | 10, WI Samples  |
| -Includes date/time/ID/Analysis Matrix:  | $\mathcal{W}$ |             | NO COLLO           | oct da             | te: mm 62311  |
| All containers needing preservation have been checked. (Non-Compliance noted in 13.) | □Yes □No      | DNA         | 12 F HNO           | 3 F H2SO4          | NaOH NaOH +ZnAct  |
| All containers needing preservation are found to be in                               |               | <b>4</b>    | 10.                |                    |   |
| compliance with EPA recommendation.<br>(HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)     | □Yes □No      | DNA         | 1                  |                    |   |
| exceptions: VOA coliform, TOC, TOX, TOH,   | 7 =           | <u> -</u>   | Initial when       | Lab Std #ID of     | Date/   |
| O&G, WIDROW, Phenolics, OTHER:   | Yes □No       |             | completed          | preservative       | Time:   |
| Headspace in VOA Vials ( >6mm):  | □Yes ZNo      | □N/A        | 14.                |                    |   |
| Trip Blank Present:  | Yes □No       | □N/A        | 15.                |                    |   |
| Trip Blank Custody Seals Present   | Yes □No       | □N/A        |                    |                    |   |
| Pace Trip Blank Lot # (if purchased):  | <del>-</del>  |             | <u></u>            |                    |   |
| Client Notification/ Resolution:  Person Contacted:                                  |               | Date/       |                    | checked, see attac | hed form for additional comments  |
| Comments/ Resolution; DOI + DOO  | TIT           | . WE        | SPATTO             | 19h4 W             | m 62316   |
|  |               |             | =                  | <u> </u>           | -1  |
|  |               |             |                    |                    |   |
|  |               |             |                    |                    |   |
| Project Manager Review:  |               |             |                    | Date               | 6-23-16   |
|  |               |             |                    |                    |   |