

November 6, 2015



Mr. Rick Joslin  
Wisconsin Department of Natural Resources  
2984 Shawano Avenue  
Green Bay, Wisconsin 54313

Re: **Status Report and Change Order No 1 Request**  
Dry Cleaners, Etc.  
102 East Cook Street  
New London, Wisconsin  
BRRTS # 02-69-552218  
Terracon Project No. 58107028

Dear Ms. Sylvester:

On behalf of Dry Cleaners, Etc., Terracon Consultants, Inc. (Terracon), prepared this status report and change order request to document NR 716 site investigation (SI) work performed to date, and present a work plan to delineate the magnitude and extent of the chlorinated volatile organic compound (CVOC) affected soil, groundwater, and air associated with the former Dry Cleaners Etc. property located at 102 East Cook Street, New London, Wisconsin (Figure 1). The SI work was performed in accordance with our proposal/work plan dated November 19, 2008, which was approved on July 2, 2009.

The following sections outline the field work performed to date, present the findings, and discuss the proposed strategy to go forward.

## **1.0 SITE INVESTIGATION PROCEDURES**

### **1.1 Direct-Push Soil Sampling**

From August 31, 2010, through September 2, 2010, Terracon supervised Probe Technologies as they advanced nine direct-push soil borings (designated as P-2, and P-4 through P-11) to depths ranging from approximately 20 to 34 feet below ground surface (bgs). The boring locations are shown on Figure 2. Soil boring P-9 is located inside the building near the drycleaner equipment, and was converted to a semi-permanent sub-slab vapor monitoring point (VP-1) to assess the vapor pathway. Each of the other eight borings were exterior borings. Boring P-10 was advanced on the adjacent property to the south. Each of the other seven soil borings were advanced within the property boundary. The direct-push soil borings were advanced using standard direct-push sampling techniques and a 4-foot macro core-barrel sampler. Soil samples were physically characterized in general conformance with the Unified Soil

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Classification System (American Society of Testing Materials [ASTM] Method D-2488-09a) and subjected to a volatile organic vapor scan using a photoionization detector (PID). Prior to use, the PID was calibrated per the manufacturer's specifications using isobutylene calibration gas at a concentration of 100 parts per million volume (ppmv). Draft boring logs are attached that show the stratigraphy and PID readings for each boring.

Two or three soil samples from each soil boring were submitted for volatile organic compound (VOC) laboratory analysis by United States Environmental Protection Agency (USEPA) Method 8260B to attempt to determine the vertical extent of impacted soil. The soil samples were collected in laboratory-supplied sample containers, placed on ice, and submitted under chain-of-custody (COC) control to Pace Analytical Services, Inc. (Pace) of Green Bay, Wisconsin.

Soil borings P-2, P-4, P-5, P-8, P-10, and P-11 were converted to temporary groundwater monitoring wells to evaluate groundwater quality. The temporary groundwater monitoring wells were constructed within each boring using 10-foot sections of No. 6-slot, 3/4-inch diameter polyvinyl chloride (PVC) well screen, connected to a 3/4-inch diameter riser pipe that extended above the ground surface. Prior to sampling, the depth to water in each temporary groundwater monitoring well was measured with an electronic water level indicator. Prior to sample collection, groundwater was purged from the temporary wells until relatively sediment free water was observed. Groundwater was purged and samples collected with small-diameter disposable bailers. Terracon submitted six groundwater samples for laboratory analysis of VOCs by USEPA Method 8260B. The soil boring/temporary groundwater monitoring well locations are presented on Figure 2.

## **1.2 Borehole Abandonment**

Upon completion of soil and groundwater sampling activities, direct-push soil borings P-2, and P-4 through P-11 were abandoned per Chapter NR 141, Wisconsin Administrative Code (WAC), with 3/8-inch bentonite chips. Boring P-9 was also partially abandoned to allow completion as a sub-slab vapor monitoring point.

## **1.3 Groundwater Monitoring Well Construction and Development**

On February 16 and 17, 2011, Terracon supervised M&K Drilling (M&K) during the advancement of four soil borings, with the subsequent construction of four NR 141, WAC-compliant groundwater monitoring wells (MW-1 through MW-4) constructed as water table observation wells (observation wells). M&K used a conventional drill rig and hollow stem auger techniques to complete the wells.

Monitoring well construction included a 2-inch inside-diameter PVC riser pipe coupled to a 10 foot, 0.006-inch slot PVC well screen. Groundwater monitoring well MW-1, located outside the



building in the southwest corner of the property, was completed to a depth of 35 feet bgs. MW-2 was completed to a depth of 32 feet bgs to the north of the site across the East Cook Street right-of-way. Groundwater monitoring well MW-3, located to the east of the site on the 114 Cook Street property, was completed to a depth of 37 feet bgs. Groundwater monitoring well MW-4 was completed to a depth of 41 feet bgs on the 118 East Beacon Street property southeast of the site.

The monitoring wells were completed in concrete pads with steel bolt-down flush-mount protective cover assemblies. Groundwater monitoring well locations are illustrated on Figure 2. A draft boring log and a well construction form for each monitoring well are attached.

Monitoring wells MW-1 through MW-3 were developed on February 18, 2011, and monitoring well MW-4 was developed on February 24, 2011. Each of the monitoring wells were developed by Terracon per NR 141, WAC, by surging and purging with a bailer. Well development groundwater was disposed in the City of New London's sanitary sewer under permit.

#### **1.4 Groundwater Sampling**

Groundwater samples were collected from each of the four monitoring wells on February 24, 2011. Prior to collecting samples, the groundwater monitoring well caps were opened and water levels allowed to equilibrate prior to the measurement of down-hole static water levels. Static water levels were measured from a consistent point on each well utilizing a decontaminated electronic water-level indicator. Field parameters including dissolved oxygen (DO), pH, specific conductivity, and oxidation-reduction potential (ORP), were measured with a water quality meter equipped with a down-well sonde prior to, and immediately after, purging. Approximately three well casing volumes of groundwater were purged from each well with a disposable bailer prior to sampling. Samples were carefully collected with the bailer after purging was completed. Terracon originally proposed collecting groundwater samples via low-flow techniques; however, the water table was too deep to use a peristaltic pump.

The sampling and analyses plan included submitting groundwater samples from the four groundwater monitoring wells for laboratory analysis of VOCs by USEPA Method 8260B. The groundwater samples were collected in laboratory-supplied sample containers, placed on ice, and submitted under chain-of-custody (COC) control to Pace for the laboratory analysis.

One trip blank sample was transported with the other collected groundwater samples submitted for laboratory analyses. A duplicate groundwater sample was also collected. The trip blank and duplicate groundwater samples were submitted for Method 8260 VOC laboratory analysis. Sample collection, handling, and storage were performed in accordance with Wisconsin Department of Natural Resources (WDNR) protocol and standard COC requirements.

## 1.5 Vapor Intrusion Assessment

Terracon attempted to gain access to the residence at 108 East Cook Street, adjacent east of the Dry Cleaners Etc. property to install and sample a sub-slab vapor monitoring point as proposed. However, the property had been foreclosed and was owned by Fannie Mae/Freddie Mac, who would not grant access. As such, the initial vapor intrusion assessment focused solely on the Dry Cleaners Etc. building.

On September 2, 2010, Terracon installed one sub-slab vapor monitoring point (VP-1) in the interior of the Dry Cleaners Etc. building, after completion of soil boring P-9. The vapor monitoring point was installed to evaluate CVOC sub-slab vapor concentrations.

The semi-permanent sub-slab vapor monitoring point VP-1 was installed in soil boring P-9 after partial abandonment with bentonite to a depth of approximately 2 feet below the floor surface. Sand was then placed in the boring to approximately 2 inches below the floor surface. The open end of the vapor probe tube was wrapped with fiberglass screen and the probe placed in the hole so the top of the probe was flush with the floor surface after placing a threaded protective cap seal on the probe. The annular space around the probe was sealed with grout.

A vapor sample was collected from VP-1 on February 24, 2011, concurrent with the groundwater sampling event. Prior to sampling, a helium shroud test was performed to ensure no leakage around the sub-slab probe. To collect a sample, the flush-threaded cap was removed from the vapor probe and a one-hole rubber stopper placed securely into the top of the probe. Tubing was securely placed into the stopper hole. The vapor monitoring point was purged with a PID and then a vapor sample was collected using a 6-liter evacuated Summa canister obtained from Pace. The Summa canister's regulator and restrictor were calibrated to draw the soil gas sample over a 30-minute period. The soil gas sample collected within the Summa canister was submitted to Pace for VOC analysis by USEPA Method TO-15.

## 1.6 Management of Investigation Derived Waste

The soil cuttings generated from the groundwater monitoring well construction were placed into nine labeled 55-gallon drums and staged onsite. The drums were transported to Waste Management's Valley Trail facility in Berlin, Wisconsin, for disposal on April 17, 2014. Groundwater generated from well development and purging was disposed in the City of New London sanitary sewer system under permit.



## **2.0 NR 716 SITE INVESTIGATION RESULTS**

### **2.1 Soil Analytical Results**

Tetrachloroethene (PCE) was the only VOC detected at concentrations above the analytical limit of detection (LOD). Soil borings P-2 (16'), P-10 (24'), MW-2 (4' and 26') contained PCE at concentrations greater than the soil to groundwater pathway residual contaminant level (RCL) presented in the WDNR RCL Spreadsheet (June 2014). The WDNR RCLs were calculated using the USEPA Regional Screening Level Web Calculator and the Wisconsin default values presented *Soil Residual Contaminant Level Determinations Using the USEPA Regional Screening Level Web Calculator PUB-RR-890, June 2014 update*. Concentrations ranged from 36.2 micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ) at P-10 (24') to 178  $\mu\text{g}/\text{kg}$  at MW-2 (26'). PCE was not detected at concentrations above the direct-contact non-industrial RCL. The analytical results are summarized in Table 1.

### **2.2 Groundwater Elevations and Site Hydrogeology**

Based on February 24, 2011, data from the observation wells, the groundwater flow pattern at the water table is complex. An apparent northeast-southwest trending groundwater divide is present in the northern part of the site. North of the divide, groundwater flow is to the northwest with a horizontal hydraulic gradient of approximately 0.003 foot per foot (ft/ft). South of the divide groundwater flow is predominately to the southeast, with a horizontal hydraulic gradient of 0.02 foot per foot (ft/ft). The southeasterly flow direction corroborates the flow direction initially determined from the temporary monitoring wells in the field. The temporary monitoring well field data did not identify the groundwater divide, but because the Wolf River lies to the north, a groundwater divide was suspected.

Static water level measurements ranged from 25.82 to 34.37 feet below top of riser in the observation wells. A summary of groundwater elevation data is provided in Table 2. A groundwater contour map is presented on Figure 3.

### **2.3 Groundwater Analytical Results**

PCE was reported at concentrations above its Chapter NR 140, WAC, Enforcement Standard (ES) in groundwater from temporary groundwater wells P-5, P-10 and P-11, and in offsite groundwater monitoring wells MW-2, MW-3 and MW-4. PCE was reported at concentrations above its Chapter NR 140, WAC, Preventive Action Limit (PAL) in groundwater from temporary well P-2 and P-8, and onsite groundwater monitoring well MW-1.

Trichloroethene (TCE) was detected in groundwater collected from temporary groundwater wells P-10 and P-11, and groundwater monitoring well MW-3 at concentrations above its ES.

TCE was detected in groundwater from temporary wells P-2 and P-5, and groundwater monitoring well MW-4 at concentrations above the PAL.

No other CVOCs were detected at concentrations above their respective PAL. Groundwater analytical results are summarized in Table 3.

## 2.4 Vapor Analytical Results

PCE and TCE were reported at concentrations above the applicable WDNR vapor risk screening levels at sub-slab sample location VP-1, at concentrations of 9,270 and 740 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ), respectively. An air analytical summary table is attached as Table 4, and the location of the sub-slab vapor monitoring point is presented on Figure 2.

## 2.5 Potential Contaminant Migration Pathways and Receptors

Terracon contacted Mr. Mike Pinch of the City of New London Utilities Department to obtain information relative to the locations, depths and construction of underground utility corridors in the general vicinity. The following is a summary of the information obtained from Mr. Pinch:

- Electric Lines: Buried approximately 18-24 inches bgs in steel conduit.
- Water Mains: Buried approximately 5-6 feet bgs in natural ground bedding.
- Water Laterals: Buried approximately 4-6 feet bgs in natural ground bedding.
- Sewer Mains: Buried approximately 6-8 feet bgs in natural ground bedding.
- Sewer Laterals: Buried approximately 4-8 feet bgs in natural ground bedding.

Since groundwater is present at a depth of approximately 25 feet, the utility corridors do not provide a preferential pathway for migration of contaminated groundwater. Since the utility line bedding and backfill material consists of the native sand soil, the utilities likely do not provide a preferential pathway for migration of contaminant vapors.

A request was submitted to the Wisconsin Geological and Natural History Survey (WGNHS) to obtain well construction records for wells located within a 1,200 foot radius of the outermost known edge of the contaminant plume (Public Land Survey System [PLSS] Section 12, Township 22N, Range 14E). There was one well constructor record which listed a location of the southeast quarter, southeast quarter of Section 12, Township 22N, Range 14E. According to the report, the well is cased from ground surface to approximately 20 feet bgs, and is screened from 165-169 feet bgs in the unconsolidated soils. The City of New London has municipal well # 3 located at 1002 West Beacon Street, approximately nine blocks west-southwest of the site. According to the diagram presented by Mr. Pinch, the high capacity well is constructed of 30-inch casing to 112 feet bgs, with a screen from 114-129 feet bgs.



The City of New London provides water via their municipal water supply distribution system. Based on the well records request, there are no private potable wells known to be located within a 1,200-foot radius of the Site.

### **3.0 PROPOSED SCOPE OF SERVICES AND WORK PLAN- CHANGE ORDER NO. 1**

Based on the available data, the extent of the dissolved-phase groundwater contaminant plume is not defined offsite. Delineation of the groundwater contaminant plume is necessary to complete the site investigation and evaluate remedial action options. Due to the groundwater contaminant plume extending offsite to the north and southeast beneath or near several residences and other structures, potential vapor intrusion into these structures should be assessed. The extent of the shallow PCE soil contamination at observation well MW-2 also needs to be investigated. Although this contamination is across the street to the north of Dry Cleaners, Etc, there does not appear to be another clear source for this contamination at this time. The property was a residence up until approximately 2001 when the house was removed. The proposed additional scope of services is intended to assess the offsite extent and magnitude of the dissolved-phase groundwater contaminant plume via screening with temporary monitoring wells, assess the extent of impacted soil near monitoring well MW-2, and to screen for potential vapor intrusion issues in the most at-risk structures. In addition, Terracon recommends video inspection of the site sanitary sewer lateral to verify its integrity or whether it potentially could have been a source for contamination to the north.

Due to funding limitations, the Responsible Party intends to proceed with the project in stages. Upon completion of a stage, a reimbursement claim will be prepared and submitted. Upon receipt of reimbursement, Terracon will proceed with the next stage and repeat until the site is closed. Terracon has evaluated the data collected during the direct-push investigation, vapor intrusion assessment, and groundwater monitoring well construction, and recommends the scope of services outlined below as the next stage of site investigation. Future stages may include additional temporary and NR 141, WAC, compliant monitoring well construction, groundwater monitoring, additional vapor intrusion assessment/monitoring, sewer lateral investigation test pit(s), and installation of vapor mitigation system(s), as required.

The scope of services presented in the following sections is recommended.

#### **3.1 Direct-Push Soil Borings and Temporary Groundwater Well Installation**

In order to further assess the extent of impacted soil near monitoring well MW-2 and the magnitude and extent of the groundwater plume, Terracon proposes to advance direct-push soil borings at seven offsite locations. Three of the borings will be to assess the horizontal and vertical extent of shallow PCE-related soil contamination near MW-2 and the remaining four borings will be completed as temporary groundwater monitoring wells to help define the extent

of the groundwater plume at the water table near monitoring well MW-2, which had the highest PCE concentrations detected in groundwater during the initial site investigation, and southeast (downgradient) of monitoring well MW-4. The proposed direct-push soil borings/temporary well locations are shown on Figure 4. The actual locations may be modified because of the location of utilities and acceptance/denial of access agreements. Specific activities associated with the direct-push soil borings and temporary groundwater monitoring well installation follow.

- Obtain access agreements for four offsite properties. These include:
  1. 413 Pearl Street;
  2. 412/420 Pearl Street (Public Library);
  3. 421 Pearl Street;
  4. 121 East Beacon Avenue.
- Advance three direct-push borings to depths of approximately 12 feet bgs around existing monitoring well MW-2 to evaluate shallow PCE soil contamination as a potential source area. The proposed boring locations are shown on Figure 4. Soil samples will be continuously collected to the boring terminus with a 4-foot long macro-core sample barrel, logged, and physically characterized in general conformance with the Unified Soil Classification System. Soil samples will be screened for volatile organic vapors with a PID at approximate 2-foot intervals and at changes in stratigraphy. Four soil samples from each boring will be submitted for laboratory analysis of VOCs by USEPA Method 8260B. The soil samples submitted for laboratory analysis will be selected based upon the PID vapor screening results, stratigraphy, and comparison to depths of MW-2 soil samples.
- Advance four direct-push soil borings to depths of approximately 32 to 40 feet bgs for the purposes of collecting groundwater samples to evaluate groundwater quality. Three of the borings will be to the north and northwest of monitoring well MW-2 and one boring will be to the southeast of monitoring well MW-4. Soil samples will be continuously collected to the boring terminus with a 4-foot long macro-core sample barrel, logged, and physically characterized in general conformance with the Unified Soil Classification System. Soil samples will be screened for volatile organic vapors with a PID at approximate 2-foot intervals and at changes in stratigraphy. However, soil samples will not be submitted for laboratory analysis. Upon conclusion of soil sampling, each boring will be converted to a temporary monitoring well by placing small-diameter 10-slot PVC screen and riser in the boring. Alternatively, if conditions warrant (e.g. the boring does not stay open), the soil boring will be abandoned and a separate boring will be advanced to the desired depth to collect a screen-point groundwater sample.
- Upon conclusion of sampling activities, each of the seven direct-push soil borings will be abandoned in general conformance with Chapter NR 141, WAC.

*3 around MW-2? Fig 4*

*Four borings not on Figure 2 converted to wells Found them different symbol*



A completed abandonment form for each boring will be submitted with the subsequent Status Report (Section 3.6).

- A boring log will be prepared for each boring in conformance with NR 716, WAC and submitted with the subsequent Status Report (Section 3.6).

### 3.2 Groundwater Sampling

*→ one round 4 temp wells  
4 existing wells*

Terracon will collect a groundwater sample at each of the four proposed temporary groundwater monitoring well locations upon completion of the temporary well either as a small-diameter PVC screen and riser installed in the borehole or as a screen point sample location. Due to the depth to groundwater each sample will be collected with a small-diameter bailer placed down the temporary groundwater monitoring well or down-rod if a screen point sampler is used. Each temporary well will be developed/purged to the extent practicable prior to collecting a groundwater sample. The samples will be collected in laboratory supplied containers and transported under proper chain-of-custody procedures to a Wisconsin-certified laboratory for analysis of VOCs (USEPA Method 8260B).

Terracon will also collect one round of groundwater samples from the four existing groundwater monitoring wells using low-flow sampling techniques. The NR 141, WAC-compliant monitoring well groundwater sampling will be performed concurrently with sampling the proposed temporary monitoring wells. Due to the depth to groundwater, a dedicated submersible pump will be required for each monitoring well. A flow controller will be used to limit the flow of the submersible pumps to approximately 200 milliliters per minute. A water quality meter with flow-through cell will be used to monitor field parameters during purging.

Prior to purging the monitoring wells, each well will be inspected and water levels will be measured in each of the monitoring wells. The groundwater elevations will be measured to the nearest 0.01-foot using an electronic water level indicator. The monitoring wells will be purged and sampled using low-flow techniques and a water quality meter with a flow-through cell. Monitoring wells will be purged until parameters including temperature; pH; specific conductance; DO; and ORP, are stable (within 10% in three consecutive readings taken 2 minutes or more apart for all parameters). However, if parameters have not stabilized within 1 hour, purging will cease and samples will be collected. After purging, groundwater samples will be collected in laboratory-supplied containers and transported under proper chain-of-custody procedures to a Wisconsin-certified laboratory for analysis of VOCs (USEPA Method 8260B). One sample will be also submitted as a blind duplicate per NR 716.13 (11), WAC for laboratory analysis of VOCs.

### 3.3 Sanitary Sewer Lateral Inspection

In order to assess the potential of the sewer lateral being a source of contamination from historical operations and practices, Terracon proposes to inspect the integrity of the sanitary

sewer lateral at the site. The inspection will be performed via inserting a small-diameter camera into the lateral from an access point inside the building and visually inspecting the lateral for cracks or openings that could leak water into the underlying soil. If the integrity of the lateral appears to have been compromised, Terracon may propose test-pit sampling near the lateral during a future investigation stage.

### 3.4 Vapor Intrusion Assessment and Monitoring

Terracon will also evaluate vapor intrusion for the properties located at 412 South Pearl Street (library), 108 East Cook Street, 114 East Cook Street, and 113 East Beacon Avenue. Based on the vapor intrusion assessment results for these four properties, additional vapor assessment may be necessary at these or other nearby properties in the future. Specific activities associated with vapor intrusion investigation follows:

- Amend the access agreements to allow for vapor intrusion assessment at 412 South Pearl Street (library), and the residences at 113 East Beacon, and 114 East Cook Street.
- Obtain access agreement for the property at 108 East Cook Street if now privately owned. Previously, access permission could not be obtained from the owner at that time, Fannie Mae.
- Install one semi-permanent sub-slab vapor point in the basement of the structure at each of the four above-mentioned properties. Perform one round of vapor sampling from each of the basement sub-slab vapor points including leak testing in conformance with WDNR guidance document RR986 Sub-Slab Vapor Sampling Procedures, prior to collecting samples.
- Collect the above-described air samples over a 30-minute period using 6-liter Summa canisters and analyze according to USEPA Method TO-15 for PCE-related compounds (only).
- Sub-slab vapor monitoring points will remain in place for future sampling, if necessary. In the future upon site closure by WDNR or at such time that WDNR has determined they are no longer needed, the vapor points will be removed and the hole abandoned with cement.

111 E-Beacon Ave

### 3.5 Investigation Derived Waste

Investigation derived waste generated during this stage of investigation will include approximately two drums of purge water from groundwater sampling. A permit exists to dispose of the purge water into the sanitary sewer; however, that permit may need to be reissued. Terracon proposes to dispose of the purge water (under permit from the City of New London) in a nearby sanitary sewer manhole within Cook Street, which will require certain safety precautions. If the sanitary sewer lateral video inspection verifies the integrity of the



sewer lateral at the subject site, then the water will be disposed down the sanitary sewer within the Dry Cleaners, Etc. building.

### 3.6 Reporting

Reporting elements include semi-annual electronic reporting, offsite results notifications, and preparation of a status report as described in detail below:

- Terracon will complete the required electronic NR 700 semi-annual progress reports for the site. Reporting will be in July for the period of January 1 through June 30 and in January for the period of July 1 through December 31.
- In conformance with NR 716.14 (2), Terracon will provide soil, groundwater, and vapor results to offsite property owners and current site operator following receipt of results from the laboratory. The notification will include a completed Form 4400-249 or equivalent with supporting documentation including a map showing sample locations, a summary table of the results, and a copy of the applicable laboratory report. Terracon will provide results notifications to eight property owners as follows:

1. 102 East Cook Street (site operator not responsible party; groundwater),
2. 108 East Cook Street (vapor),
3. 114 East Cook Street (groundwater, vapor),
4. 412 and 420 South Pearl Street (soil, groundwater, vapor)
5. 413 South Pearl Street (groundwater),
6. 421 South Pearl Street (groundwater),
7. 113 East Beacon Avenue (groundwater, vapor), and
8. 121 East Beacon Avenue (groundwater).

Who and where?  
\*  
111 E Beacon Ave.

- Terracon will prepare a Status Report that will document the additional SI work and results, and provide recommendations for the next stage of investigation. At a minimum, the next stage of investigation will include construction of additional groundwater monitoring wells and implementation of a groundwater monitoring program. Additional investigation or interim action items may also be necessary. The report will present a request for Change Order No. 2, for the additional site investigation scope of work recommended at that time. The report will be completed within 60 days following receipt of soil, groundwater, and air laboratory results from the scope of work proposed in this *Status Report and Request for Change Order No. 1*.

### 3.7 Schedule

Terracon proposes the following approximate schedule for the next stage of site investigation. The schedule is subject to timing of major milestones such as WDNR approval of Change

Order No. 1 within 60 days of submittal and reimbursement of the DERF claim within 2 years after submittal.

| Task   | Anticipated Schedule  | Anticipated Completion Date* |
|--|---|------------------------------|
| Submittal of Status Report and Change Order #1 Request                   |   | November 2015                |
| WDNR Approval of Change Order #1   | Within 60 days following submittal                                    | January 2016                 |
| Submittal of DERF Reimbursement Claim #1                                 | Within 45 days following WDNR approval of Change Order #1             | February 2016                |
| Receipt of Reimbursement   | Approximately 24 months following submittal of claim                  | February 2018                |
| Implementation of Change Order #1 Work Scope-Offsite Access              | Within 45 days following receipt of reimbursement                     | April 2018                   |
| Implementation of Change Order #1 Work Scope-Fieldwork                   | Within 30 days following receipt of access agreements                 | May 2018                     |
| Offsite Results Notifications  | Within 10 days following receipt of laboratory results                | June 2018                    |
| Data Analysis and Submittal of Status Report and Change Order #2 Request | Within 60 days following receipt of laboratory results from fieldwork | August 2018                  |
| WDNR Approval of Change Order #2   | Within 60 days following submittal                                    | October 2018                 |
| Submittal of DERF Reimbursement Claim #2                                 | Within 45 days following WDNR approval of Change Order #2             | November 2018                |

\*Anticipated completion date will be contingent upon the schedules of contractor(s), facility, and Terracon; and procurement of access. Weather conditions will also be taken into consideration when scheduling. If the anticipated completion dates listed are not attainable, the schedule will be adjusted based on the anticipated schedule.

## 4.0 COST ESTIMATE

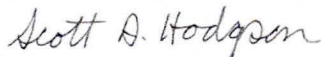
The cost estimate for the proposed scope of additional work is \$30,950.00. Please refer to the attached spreadsheet *Change Order #1 Detailed Cost Summary* for a breakdown of the estimated costs for performing the above-described additional/expanded scope of services. The responsible party has approved the change order costs (see attached signed Cost Estimate). An updated Linking Spreadsheet is also attached that presents the Change Order costs.




We appreciate the opportunity to provide this information to you and we look forward to receiving your letter of concurrence. Please contact us with any questions regarding this request.

Sincerely,



  
Scott A. Hodgson, P.G.  
Senior Project Manager

  
Edmund A. Buc, P.E.  
Senior Project Engineer

SAH/EAB:sah/N:\Projects\2010\58107028\Agreement, Change Orders & Cost Estimates\Change Order #1\WDNR Status.CO1.2015.final.docx

Attachments    Figures 1 through 4  
                    Tables 1 through 3  
                    Detailed Cost Breakdown  
                    Client Approval (signed Cost Estimate)  
                    Linking Spreadsheet  
                    Draft Boring Logs  
                    Monitoring Well Construction Forms

Copies To:    Mr. Paul Zuege  
                    File

## 5.0 CERTIFICATIONS

I, Scott A. Hodgson, P.G., hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. [GHSS 2](#), Wis. Adm. Code, or licensed in accordance with the requirements of ch. [GHSS 3](#), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Scott A. Hodgson  
Signature and P.G. number

PG-1229

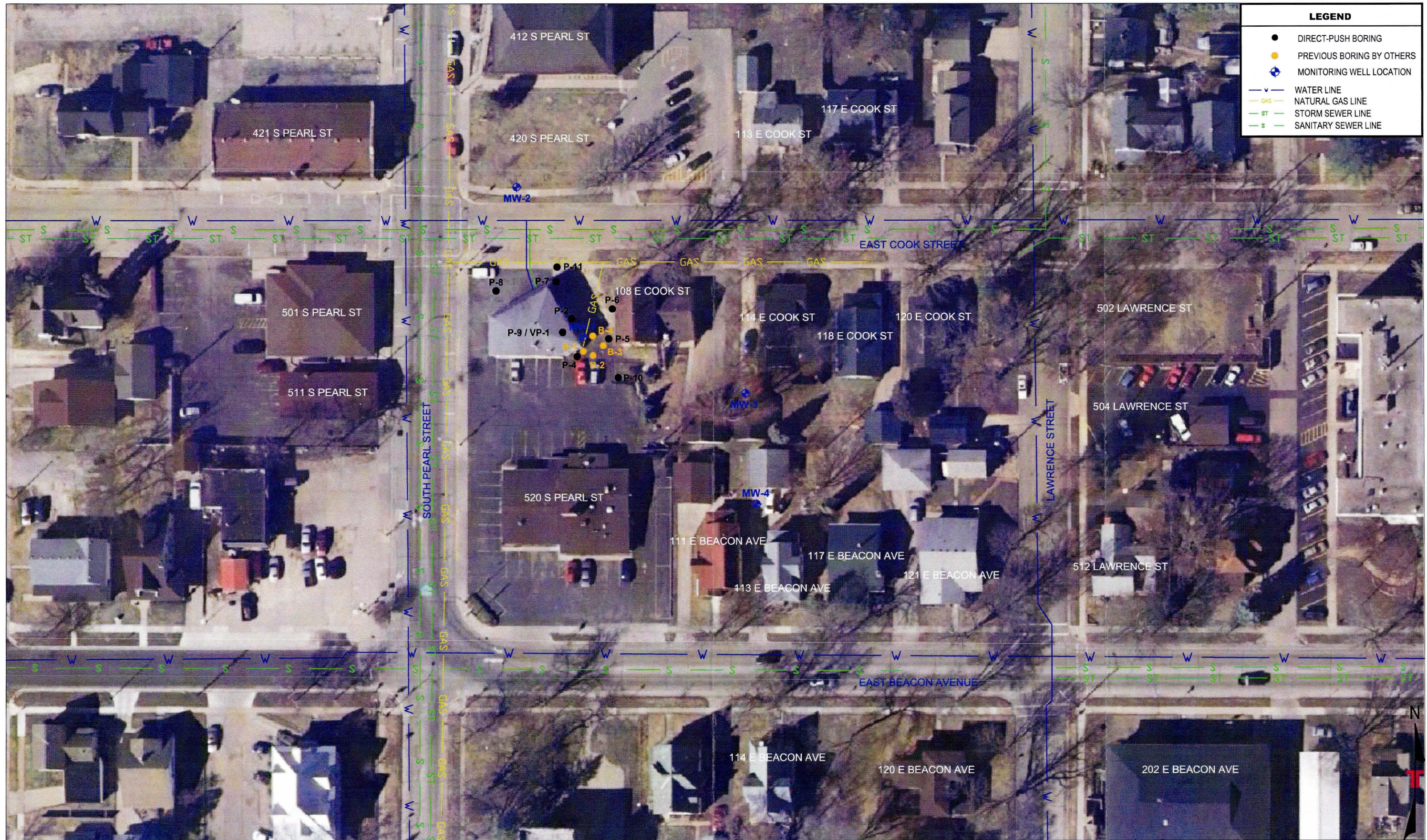
Date 11/6/15

Project Geologist  
Title









| LEGEND  |                           |
|---------|---------------------------|
| ●       | DIRECT-PUSH BORING        |
| ●       | PREVIOUS BORING BY OTHERS |
| ⊕       | MONITORING WELL LOCATION  |
| — W —   | WATER LINE                |
| — GAS — | NATURAL GAS LINE          |
| — ST —  | STORM SEWER LINE          |
| — S —   | SANITARY SEWER LINE       |



|               |     |              |               |
|---------------|-----|--------------|---------------|
| Project Mngr: | TPW | Project No.: | 58107028      |
| Drawn By:     | AGC | Scale:       | AS SHOWN      |
| Checked By:   | TPW | File No.:    | 58107028 SD-2 |
| Approved By:  | TPW | Date:        | 6/18/12       |

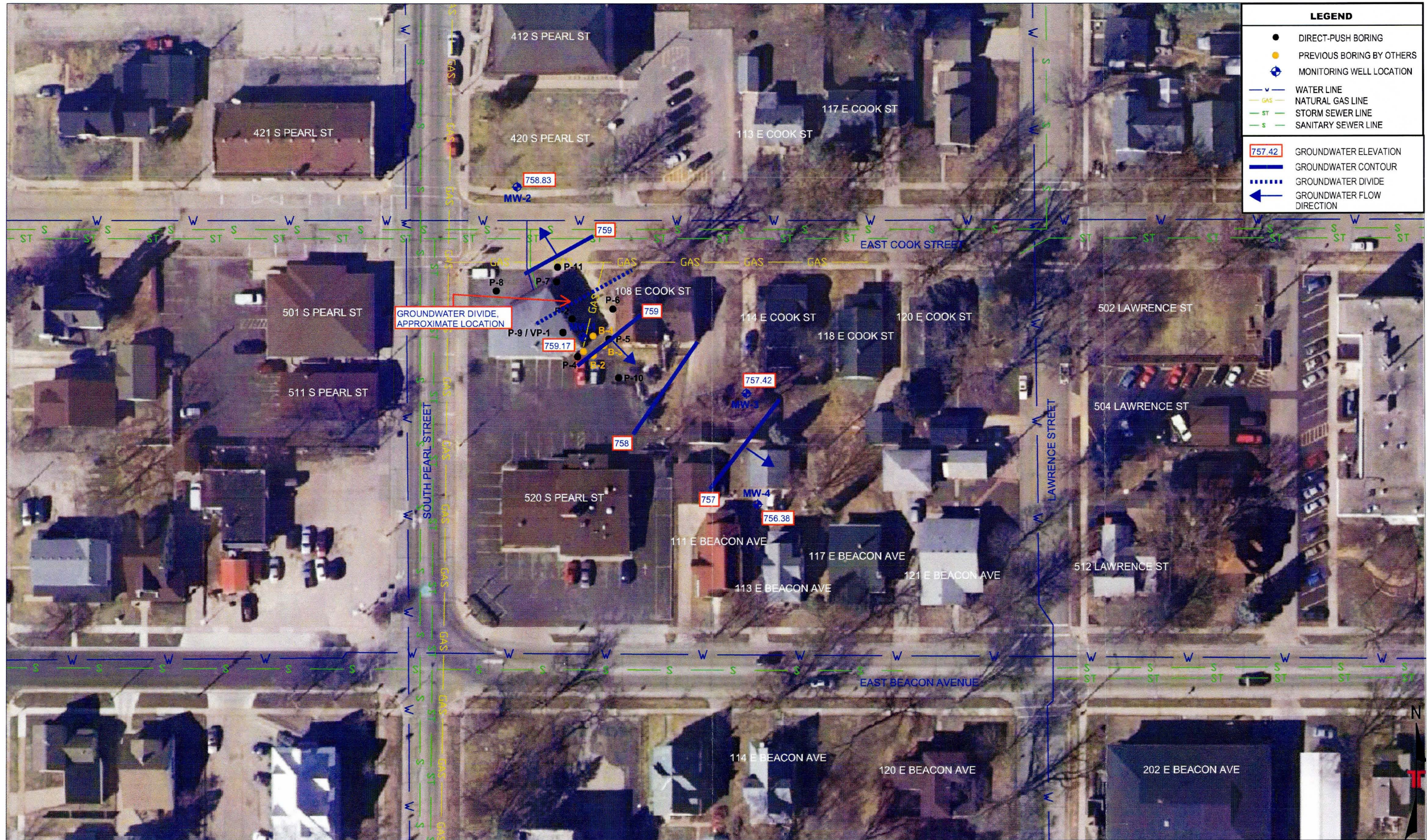
**Terracon**  
 Consulting Engineers and Scientists  
 9856 SOUTH 57th STREET FRANKLIN, WI 53132  
 PH. (414) 423-0255 FAX. (414) 423-0566

|  |  |
|--|--|
| BORING AND MONITORING WELL LOCATIONS                               |  |
| DRY CLEANERS, ETC.<br>102 EAST COOK STREET<br>NEW LONDON WISCONSIN |  |

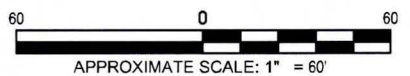
FIG. No.  
**2**

DIAGRAM IS FOR GENERAL LOCATION ONLY AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES





| LEGEND  |                            |
|---------|----------------------------|
| ●       | DIRECT-PUSH BORING         |
| ●       | PREVIOUS BORING BY OTHERS  |
| ⊕       | MONITORING WELL LOCATION   |
| — W —   | WATER LINE                 |
| — GAS — | NATURAL GAS LINE           |
| — ST —  | STORM SEWER LINE           |
| — S —   | SANITARY SEWER LINE        |
| 757.42  | GROUNDWATER ELEVATION      |
| —       | GROUNDWATER CONTOUR        |
| —       | GROUNDWATER DIVIDE         |
| ←       | GROUNDWATER FLOW DIRECTION |



|              |     |             |               |
|--------------|-----|-------------|---------------|
| Project Mng: | TPW | Project No. | 58107028      |
| Drawn By:    | AGC | Scale:      | AS SHOWN      |
| Checked By:  | TPW | File No.    | 58107028 SD-2 |
| Approved By: | TPW | Date:       | 6/18/12       |

**Terracon**  
 Consulting Engineers and Scientists  
 9656 SOUTH 57th STREET FRANKLIN, WI 53132  
 PH. (414) 423-0255 FAX. (414) 423-0566

|  |           |
|--|-----------|
| GROUNDWATER CONTOUR MAP (2/24/11)          |           |
| DRY CLEANERS, ETC.<br>102 EAST COOK STREET |           |
| NEW LONDON                                 | WISCONSIN |

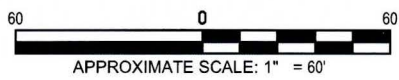
|          |   |
|----------|---|
| FIG. No. | 3 |
|----------|---|

DIAGRAM IS FOR GENERAL LOCATION ONLY AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES





| LEGEND                                    |   |
|---|---|
| <span style="color: blue;">●</span>       | DIRECT-PUSH BORING                          |
| <span style="color: orange;">●</span>     | PREVIOUS BORING BY OTHERS                   |
| <span style="color: blue;">⊕</span>       | GW MONITORING WELL LOCATION                 |
| <span style="color: black;">○</span>      | PROPOSED DIRECT-PUSH BORING/ TEMPORARY WELL |
| <span style="color: red;">●</span>        | PROPOSED DIRECT-PUSH SOIL BORING            |
| <span style="color: blue;">⊕</span>       | PROPOSED GROUNDWATER MONITORING WELL        |
| <span style="color: orange;">▲</span>     | PROPOSED SUB-SLAB VAPOR SAMPLING POINT      |
| <span style="color: blue;">—</span>       | WATER LINE                                  |
| <span style="color: yellow;">—</span>     | NATURAL GAS LINE                            |
| <span style="color: green;">—</span>      | STORM SEWER LINE                            |
| <span style="color: lightgreen;">—</span> | SANITARY SEWER LINE                         |



|               |         |             |               |
|---------------|---------|-------------|---------------|
| Project Mngr: | TPW     | Project No. | 58107028      |
| Drawn By:     | AGC/DCT | Scale:      | AS SHOWN      |
| Checked By:   | TPW     | File No.    | 58107028 SD-2 |
| Approved By:  | TPW     | Date:       | 11/12/13      |

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|  |  |          |
|--|--|----------|
| PROPOSED SAMPLING LOCATIONS  |  | FIG. No. |
| DRY CLEANERS, ETC.<br>102 EAST COOK STREET<br>NEW LONDON WISCONSIN |  | 4        |

DIAGRAM IS FOR GENERAL LOCATION ONLY AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES



**TABLE 1**  
**SOIL ANALYTIC TEST RESULTS**

Dry Cleaners, Etc.  
New London, Wisconsin  
Terracon Project No. 58107028

| Sample Location                                | Depth (feet) | Sample Date | Chlorinated Volatile Organic Compounds (µg/kg) |                   |                 |                |                    |
|--|--------------|-------------|--|-------------------|-----------------|----------------|--------------------|
|  |              |             | cis-1,2-Dichloroethene                         | Tetrachloroethene | Trichloroethene | Vinyl Chloride | Methylene Chloride |
| P-2  | 3            | 8/31/2010   | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-2  | 16           | 8/31/2010   | <25.0  | 39.6              | <25.0           | <25.0          | <25.0              |
| P-2  | 26           | 8/31/2010   | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-4  | 4            | 8/31/2010   | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-4  | 14           | 8/31/2010   | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-4  | 28           | 8/31/2010   | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-5  | 3            | 9/1/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-5  | 18           | 9/1/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-5  | 28           | 9/1/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-6  | 4            | 9/1/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-6  | 20           | 9/1/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-7  | 1.5          | 9/1/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-7  | 14           | 9/1/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-7  | 20           | 9/1/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-8  | 4            | 9/1/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-8  | 20           | 9/1/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-8  | 25.5         | 9/1/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-9  | 2            | 9/2/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-9  | 4            | 9/2/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-9  | 14           | 9/2/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-10   | 16           | 9/2/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-10   | 24           | 9/2/2010    | <25.0  | 36.2              | <25.0           | <25.0          | <25.0              |
| P-11   | 4            | 9/2/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| P-11   | 25           | 9/2/2010    | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| MW-1   | 2            | 2/16/2011   | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| MW-1   | 27.5         | 2/16/2011   | <25.0  | <25.0             | <25.0           | <25.0          | 53.3               |
| MW-2   | 4            | 2/16/2011   | <25.0  | 73.9              | <25.0           | <25.0          | <25.0              |
| MW-2   | 26           | 2/16/2011   | <25.0  | 178               | <25.0           | <25.0          | <25.0              |
| MW-3   | 3            | 2/17/2011   | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| MW-3   | 30           | 2/17/2011   | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| MW-4   | 3            | 2/17/2011   | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| MW-4   | 33           | 2/17/2011   | <25.0  | <25.0             | <25.0           | <25.0          | <25.0              |
| Groundwater Pathway RCL <sup>1</sup>           |              |             | 41.2   | 4.5               | 3.6             | 0.1            | 2.6                |
| Non-Industrial Direct-Contact RCL <sup>2</sup> |              |             | 156,000  | 30,700            | 1,260           | 67             | 60,700             |

**NOTES:**

µg/kg= micrograms per kilogram

<sup>1</sup> Residual Contaminant Levels (RCL) for soil to groundwater pathway per WDNR Soil Residual Contaminant Level (RCL) Spreadsheet (June 2014) which were determined using the US EPA Regional Screening Level Web Calculator in accordance with WDNR Guidance Document PUB-RR-890, June 2014 update.

<sup>2</sup> Non-Industrial Residual Contaminant Levels for Direct Contact per per WDNR Soil Residual Contaminant Level (RCL) Spreadsheet (June 2014) which were determined using the US EPA Regional Screening Level Web Calculator in accordance with WDNR Guidance Document PUB-RR-890, June 2014 update.

**Bold Black values** indicate compound detected above the listed Soil to Groundwater Pathway RCL

*Italicized* and Underline values indicate compound detected above the listed Non-Industrial Direct Contact RCL

**TABLE 2**  
**GROUNDWATER ELEVATIONS**  
 Dry Cleaners, Etc.  
 New London, Wisconsin  
 Terracon Project No. 58107028

| Measured Location | Date      | Depth to Groundwater | Reference Elevation * | Groundwater Elevation | Screened Interval |   |        |
|-------------------|-----------|----------------------|-----------------------|-----------------------|-------------------|---|--------|
| MW-1              | 2/24/2011 | 27.80                | 786.97                | 759.17                | 734.15            | - | 724.15 |
| MW-2              | 2/24/2011 | 25.82                | 784.65                | 758.83                | 737.59            | - | 727.59 |
| MW-3              | 2/24/2011 | 30.02                | 787.44                | 757.42                | 730.62            | - | 720.62 |
| MW-4              | 2/24/2011 | 34.37                | 790.75                | 756.38                | 726.66            | - | 716.66 |

\*Depth to groundwater is measured from the top of the monitoring well riser pipe.  
 Measurements are in feet.



**TABLE 3**  
**GROUNDWATER ANALYTIC SUMMARY**  
 Dry Cleaners, Etc.  
 New London, Wisconsin  
 Terracon Project No. 58107028

| Sample ID                     | Sample Date | Chlorinated Volatile Organic Compounds (µg/L) |                        |                   |                 |                |                    |
|-------------------------------|-------------|---|------------------------|-------------------|-----------------|----------------|--------------------|
|                               |             | Chloromethane                                 | cis-1,2-Dichloroethene | Tetrachloroethene | Trichloroethene | Vinyl Chloride | Methylene Chloride |
| P-2                           | 8/31/2010   | <0.24   | <0.83                  | <u>4.3</u>        | <u>0.85</u>     | <0.18          | <0.43              |
| P-4                           | 8/31/2010   | <0.24   | <0.83                  | <0.45             | <0.48           | <0.18          | <0.43              |
| P-5                           | 9/1/2010    | <0.24   | <0.83                  | <b>29.5</b>       | <u>4.0</u>      | <0.18          | <0.43              |
| P-8                           | 9/1/2010    | 1.7   | <0.83                  | <u>3.5</u>        | <0.48           | <0.18          | <0.43              |
| P-10                          | 9/2/2010    | <0.24   | <0.83                  | <b>101</b>        | <b>13.8</b>     | <0.18          | <0.43              |
| P-11                          | 9/2/2010    | <0.24   | <0.83                  | <b>61.0</b>       | <b>11.0</b>     | <0.18          | <0.43              |
| MW-1                          | 2/24/2011   | 0.36  | <0.83                  | <u>1.5</u>        | <0.48           | <0.18          | 0.49               |
| MW-2                          | 2/24/2011   | <0.24   | <0.83                  | <b>1,270</b>      | <0.48           | <0.18          | <u>2.5</u>         |
| MW-3                          | 2/24/2011   | <0.24   | <0.83                  | <b>51.1</b>       | <b>8.5</b>      | <0.18          | <0.43              |
| MW-4                          | 2/24/2011   | <0.24   | <0.83                  | <b>41.5</b>       | <u>3.4</u>      | <0.18          | <0.43              |
| NR 140, WAC, PAL <sup>1</sup> |             | <u>3</u>                                      | <u>7</u>               | <u>0.5</u>        | <u>0.5</u>      | <u>0.02</u>    | <u>0.5</u>         |
| NR 140, WAC, ES <sup>2</sup>  |             | <b>30</b>                                     | <b>70</b>              | <b>5</b>          | <b>5</b>        | <b>0.2</b>     | <b>5.0</b>         |

Notes:

<sup>1</sup>NR 140, Wisconsin Administrative Code, Preventive Action Limit (PAL)

<sup>2</sup>NR 140, Wisconsin Administrative Code, Enforcement Standard (ES)

"ug/L" indicates micrograms per liter

"-" indicates analyte not tested

**TABLE 4**  
**AIR ANALYTIC TEST RESULTS SUMMARY**  
 Dry Cleaners, Etc.  
 New London, Wisconsin  
 Terracon Project No. 58107028

| Sample ID   | Sample Date | Sample Type | Units             | Chlorinated Volatile Organic Compounds (CVOC) |                       |                        |                          |                |
|---|-------------|-------------|-------------------|---|-----------------------|------------------------|--------------------------|----------------|
|   |             |             |                   | Tetrachloroethene (PCE)                       | Trichloroethene (TCE) | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Vinyl Chloride |
| VP-1  | 2/24/2011   | Sub-slab    | µg/m <sup>3</sup> | 9,270   | 740                   | <86.8                  | <86.8                    | <27.9          |
| Sub-slab Vapor Risk Screening Levels - Non-Residential <sup>1</sup> |             |             | µg/m <sup>3</sup> | <del>1,800</del>                              | <del>88</del>         | NE                     | NE                       | <del>280</del> |

6,000      293.3      933.3

33.33

**Notes:**

µg/m<sup>3</sup> = micrograms per cubic meter

<sup>1</sup> Screening value is the Vapor Action Level adjusted for sub-slab to non-residential indoor air by applying an attenuation factor of 10 for comparison with the analytical results.

**Bold Values** indicate exceedance of applicable non-residential vapor risk screening levels (VRSLs) (sub-slab)

Vapor Risk Screening Levels (VRSLs) (sub-slab)

NE = not established



Dry Cleaners Etc--102 East Cook Street, New London, Wisconsin  
 Change Order No. 1: June 2015  
 BRRTS #02-69-552218

Change Order #1 Detailed Cost Summary

*How do  
 62.00  
 For water and  
 Soil VOCs*

| TASK                   | Description  | Unit | Estimated Quantity | Terracon                        |  |                               |                        |                   | Expenses    | Terracon Total         | Subcontractors    |                                       |                             |                              |                    |  |  |  |  |            | TOTAL |                      |             |              |
|------------------------|--|------|--------------------|---------------------------------|--|-------------------------------|------------------------|-------------------|-------------|------------------------|-------------------|---------------------------------------|-----------------------------|------------------------------|--------------------|--|--|--|--|------------|-------|----------------------|-------------|--------------|
|                        |  |      |                    | Senior Project Manager \$ 99.00 | Project Manager/Project Professional II \$ 89.00 | Project Professional \$ 76.00 | Drafts Person \$ 40.00 | Clerical \$ 36.00 |             |                        | Drilling          | Plumbing or Drilling Video Contractor | Drum Hauling                | Investigative Waste Disposal | Number of Analyses |  |  |  |  | Laboratory |       | Subcontractors Total |             |              |
|                        |  |      |                    |                                 |  |                               |                        |                   |             | GW VOC + Dups \$ 55.00 | Soil VOC \$ 55.00 | Methane, Ethane, Ethene \$ 59.00      | VOC vapor (TO-15) \$ 250.00 | TCLP-VOC \$ 160.00           |                    |  |  |  |  |            |       |                      |             |              |
| <b>1</b>               | <b>Temporary Well Installation and Groundwater Sampling</b>  |      |                    |                                 |  |                               |                        |                   |             |                        |                   |                                       |                             |                              |                    |  |  |  |  |            |       |                      |             |              |
| a                      | Direct-push Soil Borings and Temporary Well Installation/Sampling  | Each | 1                  | 2                               | 20   |                               |                        |                   | \$ 190.00   | \$ 2,168.00            | \$2,842.00        |                                       |                             |                              |                    |  |  |  |  | 4          |       | \$ 880.00            | \$ 3,722.00 | \$ 5,890.00  |
| b                      | Groundwater Sampling- Existing NR 141 MWs (4 MWs plus dup; 1 round)  | Each | 1                  | 1                               | 3  | 10                            |                        |                   | \$ 901.00   | \$ 2,027.00            |                   |                                       |                             |                              |                    |  |  |  |  | 5          |       | \$ 275.00            | \$ 275.00   | \$ 2,302.00  |
| <b>2</b>               | <b>Sewer Lateral Investigation</b>   |      |                    |                                 |  |                               |                        |                   |             |                        |                   |                                       |                             |                              |                    |  |  |  |  |            |       |                      |             |              |
| a                      | Sanitary Sewer Lateral Video Inspection  | Each | 1                  | 6                               |  |                               |                        |                   | \$ 594.00   |                        | \$350.00          |                                       |                             |                              |                    |  |  |  |  |            |       | \$ -                 | \$ 350.00   | \$ 944.00    |
| <b>3</b>               | <b>Vapor Investigation/Monitoring</b>  |      |                    |                                 |  |                               |                        |                   |             |                        |                   |                                       |                             |                              |                    |  |  |  |  |            |       |                      |             |              |
| a                      | Sub-slab Vapor Point Installation (4)  | Each | 1                  | 2                               | 8  |                               |                        |                   | \$ 210.00   | \$ 1,120.00            |                   |                                       |                             |                              |                    |  |  |  |  |            |       | \$ -                 | \$ -        | \$ 1,120.00  |
| b                      | Sub-slab Vapor Sampling (1 round)  | Each | 1                  | 1                               | 6  |                               |                        |                   | \$ 245.00   | \$ 878.00              |                   |                                       |                             |                              |                    |  |  |  |  |            | 4     | \$ 1,000.00          | \$ 1,000.00 | \$ 1,878.00  |
| <b>4</b>               | <b>IDW Disposal</b>  |      |                    |                                 |  |                               |                        |                   |             |                        |                   |                                       |                             |                              |                    |  |  |  |  |            |       |                      |             |              |
| a                      | Purge Water-(permitting and disposal)  | Each | 1                  | 1                               | 4  |                               |                        |                   | \$ 455.00   |                        |                   |                                       |                             |                              |                    |  |  |  |  |            |       | \$ -                 | \$ -        | \$ 455.00    |
| <b>5</b>               | <b>Project Management/Reporting</b>  |      |                    |                                 |  |                               |                        |                   |             |                        |                   |                                       |                             |                              |                    |  |  |  |  |            |       |                      |             |              |
| a                      | Work Plan Development  | Each | 1                  | 36                              |  |                               |                        |                   | \$ 3,636.00 |                        |                   |                                       |                             |                              |                    |  |  |  |  |            |       | \$ -                 | \$ -        | \$ 3,636.00  |
| b                      | Access Permission (7 properties)   | Each | 1                  | 2                               | 17   |                               |                        |                   | \$ 1,783.00 |                        |                   |                                       |                             |                              |                    |  |  |  |  |            |       | \$ -                 | \$ -        | \$ 1,783.00  |
| c                      | Project Management   | Each | 1                  | 18                              | 12   |                               |                        |                   | \$ 3,390.00 |                        |                   |                                       |                             |                              |                    |  |  |  |  |            |       | \$ -                 | \$ -        | \$ 3,390.00  |
| d                      | Offsite Results Notifications (8 properties)   | Each | 2                  | 4                               | 16   |                               |                        |                   | \$ 3,784.00 |                        |                   |                                       |                             |                              |                    |  |  |  |  |            |       | \$ -                 | \$ -        | \$ 3,784.00  |
| e                      | Data Tabulation and Analysis   | Each | 1                  | 2                               | 10   | 6                             |                        |                   | \$ 1,544.00 |                        |                   |                                       |                             |                              |                    |  |  |  |  |            |       | \$ -                 | \$ -        | \$ 1,544.00  |
| f                      | Semi-annual Electronic reporting and Status Report Documenting Results With Recommendations for Next Phase of Site Investigation | Each | 1                  | 6                               | 30   | 5                             | 10                     |                   | \$ 4,224.00 |                        |                   |                                       |                             |                              |                    |  |  |  |  |            |       | \$ -                 | \$ -        | \$ 4,224.00  |
| <b>ESTIMATED TOTAL</b> |  |      |                    |                                 | 81   | 126                           | 21                     | 10                | 26          | \$1,546.00             | \$25,603.00       | \$2,842.00                            | \$350.00                    |                              |                    |  |  |  |  |            |       | \$ 2,155.00          | \$ 5,347.00 | \$ 30,950.00 |

\*Expense Breakdown as follows:  
 Item 1a: PID, 2 days  
 Item 1b: Dedicated submersible pumps (4); water quality meter rental(includes shipping), and electronic water level indicator, 1 day each  
 Item 3a: Four sub-slab vapor points and rotary hammer drill rental, 1 day  
 Item 3b: PID and Air Sampling Kit, 1 day

| Expense               | Unit Costs | Expense              | Unit Costs |
|-----------------------|------------|----------------------|------------|
| Water Level Indicator | \$21/Day   | PID                  | \$95/Day   |
| Bailers               | \$13/Each  | Rotary Hammer Drill  | \$10/Day   |
| Water Quality Meter   | \$150/Day  | Sub-slab Vapor Point | \$50/Each  |
| Low-flow Pump         | \$40/Day   | Air Sampling Kit     | \$150/Day  |
| 0.45 um filter        | \$15/Each  | Magnehelic Gauge     | \$30/Day   |
| Dedicated Purge Pump  | \$170/Each | Drum                 | \$60/Each  |
| Pump Controller       | \$50/Day   |                      |            |

APPROVED BY: \_\_\_\_\_ Date: \_\_\_\_\_  
 Responsible Party

Dry Cleaners Etc--102 East Cook Street, New London, Wisconsin  
 Change Order No. 1: June 2015  
 BRRTS #02-69-552218

Change Order #1 Detailed Cost Summary

| TASK            | Description  | Unit | Estimated Quantity | Personnel                       |  |                               |                        |                   | Expenses    | Terracon Total | Drilling   | Plumbing or Drilling Video Contractor | Drum Hauling | Investigative Waste Disposal | Subcontractors         |                   |                                  |                             |                    | Subcontractors Total | TOTAL       |             |              |
|-----------------|--|------|--------------------|---------------------------------|--|-------------------------------|------------------------|-------------------|-------------|----------------|------------|---------------------------------------|--------------|------------------------------|------------------------|-------------------|----------------------------------|-----------------------------|--------------------|----------------------|-------------|-------------|--------------|
|                 |  |      |                    | Senior Project Manager \$ 99.00 | Project Manager/Project Professional II \$ 89.00 | Project Professional \$ 76.00 | Drafts Person \$ 40.00 | Clerical \$ 36.00 |             |                |            |                                       |              |                              | GW VOC + Dups \$ 55.00 | Soil VOC \$ 55.00 | Methane, Ethane, Ethene \$ 59.00 | VOC vapor (TO 15) \$ 250.00 | TCLP-VOC \$ 160.00 |                      |             | Laboratory  |              |
| 1               | Temporary Well Installation and Groundwater Sampling   |      |                    |                                 |  |                               |                        |                   |             |                |            |                                       |              |                              |                        |                   |                                  |                             |                    |                      |             |             |              |
| a               | Direct-push Soil Borings and Temporary Well Installation/Sampling  | Each | 1                  | 2                               | 20   |                               |                        | \$ 190.00         | \$ 2,168.00 | \$2,842.00     |            |                                       |              |                              | 4                      | 12                |                                  |                             |                    |                      | \$ 880.00   | \$ 3,722.00 | \$ 5,890.00  |
| b               | Groundwater Sampling- Existing NR 141 MWs (4 MWs plus dup; 1 round)  | Each | 1                  | 1                               | 3  | 10                            |                        | \$ 901.00         | \$ 2,027.00 |                |            |                                       |              |                              | 5                      |                   |                                  |                             |                    |                      | \$ 275.00   | \$ 275.00   | \$ 2,302.00  |
| 2               | Sewer Lateral Investigation  |      |                    |                                 |  |                               |                        |                   |             |                |            |                                       |              |                              |                        |                   |                                  |                             |                    |                      |             |             |              |
| a               | Sanitary Sewer Lateral Video Inspection  | Each | 1                  | 6                               |  |                               |                        |                   | \$ 594.00   |                | \$350.00   |                                       |              |                              |                        |                   |                                  |                             |                    |                      | \$ -        | \$ 350.00   | \$ 944.00    |
| 3               | Vapor Investigation/Monitoring   |      |                    |                                 |  |                               |                        |                   |             |                |            |                                       |              |                              |                        |                   |                                  |                             |                    |                      |             |             |              |
| a               | Sub-slab Vapor Point Installation (4)  | Each | 1                  | 2                               | 8  |                               |                        | \$ 210.00         | \$ 1,120.00 |                |            |                                       |              |                              |                        |                   |                                  |                             |                    |                      | \$ -        | \$ -        | \$ 1,120.00  |
| b               | Sub-slab Vapor Sampling (1 round)  | Each | 1                  | 1                               | 6  |                               |                        | \$ 245.00         | \$ 878.00   |                |            |                                       |              |                              |                        |                   |                                  |                             |                    |                      | \$ 1,000.00 | \$ 1,000.00 | \$ 1,878.00  |
| 4               | IDW Disposal   |      |                    |                                 |  |                               |                        |                   |             |                |            |                                       |              |                              |                        |                   |                                  |                             |                    |                      |             |             |              |
| a               | Purge Water-(permitting and disposal)  | Each | 1                  | 1                               | 4  |                               |                        |                   | \$ 455.00   |                |            |                                       |              |                              |                        |                   |                                  |                             |                    |                      | \$ -        | \$ -        | \$ 455.00    |
| 5               | Project Management/Reporting   |      |                    |                                 |  |                               |                        |                   |             |                |            |                                       |              |                              |                        |                   |                                  |                             |                    |                      |             |             |              |
| a               | Work Plan Development  | Each | 1                  | 36                              |  |                               |                        |                   | \$ 3,636.00 |                |            |                                       |              |                              |                        |                   |                                  |                             |                    |                      | \$ -        | \$ -        | \$ 3,636.00  |
| b               | Access Permission (7 properties)   | Each | 1                  | 2                               | 17   |                               |                        |                   | \$ 1,783.00 |                |            |                                       |              |                              |                        |                   |                                  |                             |                    |                      | \$ -        | \$ -        | \$ 1,783.00  |
| c               | Project Management   | Each | 1                  | 18                              | 12   |                               |                        |                   | \$ 3,390.00 |                |            |                                       |              |                              |                        |                   |                                  |                             |                    |                      | \$ -        | \$ -        | \$ 3,390.00  |
| d               | Offsite Results Notifications (8 properties)   | Each | 2                  | 4                               | 16   |                               |                        |                   | \$ 3,784.00 |                |            |                                       |              |                              |                        |                   |                                  |                             |                    |                      | \$ -        | \$ -        | \$ 3,784.00  |
| e               | Data Tabulation and Analysis   | Each | 1                  | 2                               | 10   | 6                             |                        |                   | \$ 1,544.00 |                |            |                                       |              |                              |                        |                   |                                  |                             |                    |                      | \$ -        | \$ -        | \$ 1,544.00  |
| f               | Semi-annual Electronic reporting and Status Report Documenting Results With Recommendations for Next Phase of Site Investigation | Each | 1                  | 6                               | 30   | 5                             | 10                     | 5                 | \$ 4,224.00 |                |            |                                       |              |                              |                        |                   |                                  |                             |                    |                      | \$ -        | \$ -        | \$ 4,224.00  |
| ESTIMATED TOTAL |  |      |                    | 81                              | 126  | 21                            | 10                     | 26                | \$1,546.00  | \$25,603.00    | \$2,842.00 | \$350.00                              |              |                              |                        |                   |                                  |                             |                    |                      | \$ 2,155.00 | \$ 5,347.00 | \$ 30,950.00 |

\*Expense Breakdown as follows:

- Item 1a: PID, 2 days
- Item 1b: Dedicated submersible pumps (4); water quality meter rental(includes shipping), and electronic water level indicator, 1 day each
- Item 3a: Four sub-slab vapor points and rotary hammer drill rental, 1 day
- Item 3b: PID and Air Sampling Kit, 1 day

APPROVED BY:

  
Responsible Party

Date:

9/15/2015

| Expense               | Unit Costs | Expense              | Unit Costs |
|-----------------------|------------|----------------------|------------|
| Water Level Indicator | \$21/Day   | PID                  | \$95/Day   |
| Bailers               | \$13/Each  | Rotary Hammer Drill  | \$10/Day   |
| Water Quality Meter   | \$150/Day  | Sub-slab Vapor Point | \$50/Each  |
| Low-flow Pump         | \$40/Day   | Air Sampling Kit     | \$150/Day  |
| 0.45 um filter        | \$15/Each  | Magnehelic Gauge     | \$30/Day   |
| Dedicated Purge Pump  | \$170/Each | Drum                 | \$60/Each  |
| Pump Controller       | \$50/Day   |                      |            |



Site Name: Dry Cleaners Etc

BRRTS #: 02-69-552218

Type of Action: Site Investigation 1

**Dry Cleaner En  
Program**

| TASKS   | BUDGET                |                     |             |                       |                                 |            |                      |  |
|---|-----------------------|---------------------|-------------|-----------------------|---------------------------------|------------|----------------------|--|
| Bid / Budgeted Description                    | Bid / Budgeted Amount | Change Order No 1   | INSERT      | Total Approved Budget | Previous Claims (If applicable) | INSERT     | Total Invoiced Costs | Budget Remaining Use (-) to indicate cost over-run |
| <b>Consultant Costs</b>                       |                       |                     |             |                       |                                 |            |                      |  |
| Work Plan Development                         | \$ -                  | \$ 3,636.00         | \$ -        | \$ 3,636.00           |                                 |            | \$ -                 | \$ 3,636.00  |
| Access/Project Management                     | \$ 3,536.25           | \$ 5,173.00         |             | \$ 8,709.25           |                                 |            | \$ -                 | \$ 8,709.25  |
| Site Investigation (Soil; Groundwater, Vapor) | \$ 6,455.00           | \$ 5,241.00         |             | \$ 11,696.00          |                                 |            | \$ -                 | \$ 11,696.00                                       |
| Data Analysis/Report Preparation              | \$ 4,553.00           | \$ 9,552.00         |             | \$ 14,105.00          |                                 |            | \$ -                 | \$ 14,105.00                                       |
| Miscellaneous Expenses                        | \$ 3,425.00           | \$ 1,546.00         |             | \$ 4,971.00           |                                 |            | \$ -                 | \$ 4,971.00  |
| IDW Disposal                                  |                       | \$ 455.00           |             | \$ 455.00             |                                 |            | \$ -                 | \$ 455.00  |
|   |                       |                     |             | \$ -                  |                                 |            | \$ -                 | \$ -   |
|   |                       |                     |             | \$ -                  |                                 |            | \$ -                 | \$ -   |
|   |                       |                     |             | \$ -                  |                                 |            | \$ -                 | \$ -   |
|   |                       |                     |             | \$ -                  |                                 |            | \$ -                 | \$ -   |
|   |                       |                     |             | \$ -                  |                                 |            | \$ -                 | \$ -   |
| <i>Consultant Cost Total</i>                  | \$ 17,969.25          | \$ 25,603.00        | \$ -        | \$ 43,572.25          | \$ -                            |            | \$ -                 | \$ 43,572.25                                       |
| <b>Sub-Contractor Costs</b>                   |                       |                     |             |                       |                                 |            |                      |  |
| Direct Push Soil Borings/MW Construction      | \$ 10,980.00          | \$ 2,842.00         | \$ -        | \$ 13,822.00          |                                 |            | \$ -                 | \$ 13,822.00                                       |
| Laboratory                                    | \$ 5,305.00           | \$ 2,155.00         |             | \$ 7,460.00           |                                 |            | \$ -                 | \$ 7,460.00  |
| Sewer Video                                   | \$ -                  | \$ 350.00           |             | \$ 350.00             |                                 |            | \$ -                 | \$ 350.00  |
|   |                       |                     |             | \$ -                  |                                 |            | \$ -                 | \$ -   |
|   |                       |                     |             | \$ -                  |                                 |            | \$ -                 | \$ -   |
|   |                       |                     |             | \$ -                  |                                 |            | \$ -                 | \$ -   |
|   |                       |                     |             | \$ -                  |                                 |            | \$ -                 | \$ -   |
| <i>Sub-Contractor Cost Total</i>              | \$ 16,285.00          | \$ 5,347.00         | \$ -        | \$ 21,632.00          | \$ -                            |            | \$ -                 | \$ 21,632.00                                       |
| <b>DERF ELIGIBLE SUB-TOTALS</b>               | <b>\$ 34,254.25</b>   | <b>\$ 30,950.00</b> | <b>\$ -</b> | <b>\$ 65,204.25</b>   | <b>\$ -</b>                     | <b>\$-</b> | <b>\$ -</b>          | <b>\$ 65,204.25</b>                                |

|                            |  |  |  |      |           |      |  |
|----------------------------|--|--|--|------|-----------|------|--|
| Non-DERF Eligible Expenses |  |  |  |      |           |      |  |
|                            |  |  |  |      |           | \$ - |  |
|                            |  |  |  |      |           | \$ - |  |
| <i>Non-DERF Cost Total</i> |  |  |  | \$ - |           | \$ - |  |
| <b>INVOICE GRAND TOTAL</b> |  |  |  | \$ - | <b>##</b> | \$ - |  |

**Check Numbers**

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|  |                |                           |   |                                      |   |   |
|--|----------------|---------------------------|---|--------------------------------------|---|---|
| Facility/Project Name<br><b>Dry Cleaners Etc. (Terracon Project No. 58107028)</b>  |                |                           | License/Permit/Monitoring Number          |                                      | Boring Number<br><b>MW-1</b>                |   |
| Boring Drilled By: Name of crew chief (first, last) and Firm<br><b>Mike McArdle<br/>M&amp;K Environmental Soils &amp; Drilling</b>       |                |                           | Date Drilling Started<br><b>2/16/2011</b> |                                      | Date Drilling Completed<br><b>2/16/2011</b> |   |
| WI Unique Well No.   |                | DNR Well ID No.           | Common Well Name                          | Final Static Water Level<br>Feet MSL |   | Surface Elevation<br>Feet MSL   |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> |                | State Plane<br>N, E S/C/N |   | Lat <b>44° 23' 20.4"</b>             |   | Local Grid Location<br><input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |
| 1/4 of   | 1/4 of Section | 12,                       | T 22                                      | N, R 14                              | E   | Long <b>-88° 44' 21.6"</b>  |
| Borehole Diameter<br><b>8.0 inches</b>   |                |                           |   |                                      |   |   |

|             |  |                          |                          |  |  |  |
|-------------|--|--------------------------|--------------------------|--|--|--|
| Facility ID |  | County<br><b>Waupaca</b> | County Code<br><b>69</b> | Civil Town/City/ or Village<br><b>New London</b> |  |  |
|-------------|--|--------------------------|--------------------------|--|--|--|

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit   | U S C S | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/ Comments |                   |
|------------------------|------------------------------|-------------|---------------|---|---------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|---------------|-------------------|
|                        |                              |             |               |   |         |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |               |                   |
| 1<br>SS                | 24<br>18                     | 2           | 1.5           | SILTY SAND w/ trace gravel - Dark brown, very fine to fine-grained, soft, poorly-graded, moist                          | SP-SM   |             |              |         |                      |                  |              |                  |       |               |                   |
| 2<br>SS                | 24<br>18                     | 3           | 3.0           | SILT w/ clay- Red-brown, non-plastic, moist   |         |             |              | 1.5     |                      |                  |              |                  |       |               | *Sample submitted |
| 3<br>SS                | 24<br>24                     | 3           | 4.5           | - w/ trace gravel   | ML      |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 4<br>SS                | 24<br>22                     | 3           | 6.0           |   |         |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 5<br>SS                | 24<br>18                     | 3           | 7.5           | SAND w/ silt - Red-orange, very fine to medium-grained, well-graded, moist  | SW-SM   |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 6<br>SS                | 24<br>22                     | 4           | 9.0           | SAND w/ silt - Light brown, very fine to fine-grained, poorly-graded, moist   | SP-SM   |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 7<br>SS                | 24<br>22                     | 5           | 12.0          | SAND - Light brown, very fine to medium-grained, poorly-graded, stratified layers of silt 0.25-2.0" thick, moist        | SP      |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 8<br>SS                | 24<br>20                     | 9           | 13.5          | SAND & GRAVEL - Brown, sub-rounded to sub-angular gravel (0.25"-0.75"), medium to coarse-grained sand, well-graded, dry |         |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 9<br>SS                | 24<br>22                     | 6           | 16.5          |   | GW      |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 10<br>SS               | 24<br>24                     | 9           | 18.0          | - sub-angular gravel (0.5"-1.5")  |         |             |              | <1      |                      |                  |              |                  |       |               |                   |
|                        |                              | 11          | 18.0          |   |         |             |              |         |                      |                  |              |                  |       |               |                   |
|                        |                              | 16          | 19.5          |   |         |             |              |         |                      |                  |              |                  |       |               |                   |
|                        |                              | 14          | 19.5          |   |         |             |              |         |                      |                  |              |                  |       |               |                   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |  |                   |  |
|-----------|--|--|--|-------------------|--|
| Signature |  | Firm <b>Terracon Consultants, Inc.</b>           |  | Tel: 414.423.0255 |  |
|           |  | 9856 South 57th Street Franklin, Wisconsin 53132 |  | Fax: 414.423.0566 |  |

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|   |  |                 |   |                  |   |  |
|---|--|-----------------|---|------------------|---|--|
| Facility/Project Name<br><b>Dry Cleaners Etc. (Terracon Project No. 58107028)</b>   |  |                 | License/Permit/Monitoring Number            |                  | Boring Number<br><b>MW-2</b>  |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm<br><b>Mike McArdle<br/>M&amp;K Environmental Soils &amp; Drilling</b>  |  |                 | Date Drilling Started<br><b>2/16/2011</b>   |                  | Date Drilling Completed<br><b>2/16/2011</b>   |  |
| WI Unique Well No.  |  | DNR Well ID No. |   | Common Well Name |   | Borehole Diameter<br><b>8.0 inches</b> |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/><br>State Plane <b>N, E S/C/N</b> |  |                 | Final Static Water Level<br><b>Feet MSL</b> |                  | Surface Elevation<br><b>Feet MSL</b>  |  |
| 1/4 of <b>12, T 22 N, R 14 E</b>  |  |                 | Lat <b>44° 23' 20.4"</b>                    |                  | Local Grid Location<br><input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |  |
| Long <b>-88° 44' 21.6"</b>  |  |                 | County Code<br><b>69</b>                    |                  | Civil Town/City/ or Village<br><b>New London</b>  |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit  | USCS  | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/ Comments |                   |
|------------------------|------------------------------|-------------|---------------|--|-------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|---------------|-------------------|
|                        |                              |             |               |  |       |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |               |                   |
| 1 SS                   | 24                           | 7           | 0             | TOPSOIL  |       |             |              |         |                      |                  |              |                  |       |               |                   |
|                        | 24                           | 12          | 1.5           | FILL: Silt, sand and clay - Dark brown, moist  |       |             |              |         |                      |                  |              |                  |       |               |                   |
| 2 SS                   | 24                           | 5           | 3.0           | SILTY CLAY - Red-brown, stiff, non-plastic, moist  | CL-MI |             |              | <1      |                      |                  |              |                  |       |               |                   |
|                        | 23                           | 4           | 4.5           | SAND w/ silt - Brown, very fine to fine-grained, poorly-graded, moist  | SP    |             |              | <1      |                      |                  |              |                  |       |               | *Sample submitted |
| 3 SS                   | 24                           | 3           | 6.0           | SILTY CLAY w/ trace gravel and organics - Red-brown, slightly stiff, slightly plastic, moist                         | CL-MI |             |              | <1      |                      |                  |              |                  |       |               |                   |
|                        | 22                           | 3           | 7.5           | SAND - Orange-brown, very fine to fine-grained, poorly-graded, moist   | SP    |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 4 SS                   | 24                           | 4           | 10.5          | SAND w/ silt - Light brown, very fine to fine-grained, stratified silt layers 0.25"-1.0" thick, poorly-graded, moist |       |             |              | 2.6     |                      |                  |              |                  |       |               |                   |
|                        | 24                           | 8           | 12.0          |  |       |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 5 SS                   | 24                           | 12          | 13.5          |  |       |             |              | <1      |                      |                  |              |                  |       |               |                   |
|                        | 20                           | 12          | 15.0          |  |       |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 6 SS                   | 24                           | 7           | 16.5          |  |       |             |              | 2.6     |                      |                  |              |                  |       |               |                   |
|                        | 21                           | 9           | 18.0          | SILT - Brown, moist  | ML    |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 7 SS                   | 24                           | 19          | 19.5          | SAND - Light brown, fine to medium grained, poorly-graded, dry   | SP    |             |              |         |                      |                  |              |                  |       |               |                   |
|                        | 16                           | 32          |               |  |       |             |              |         |                      |                  |              |                  |       |               |                   |
| 8 SS                   | 24                           | 13          |               |  |       |             |              |         |                      |                  |              |                  |       |               |                   |
|                        | 20                           | 23          |               |  |       |             |              |         |                      |                  |              |                  |       |               |                   |
| 9 SS                   | 24                           | 6           |               |  |       |             |              |         |                      |                  |              |                  |       |               |                   |
|                        | 22                           | 9           |               |  |       |             |              |         |                      |                  |              |                  |       |               |                   |
| 10 SS                  | 24                           | 4           |               |  |       |             |              |         |                      |                  |              |                  |       |               |                   |
|                        | 24                           | 8           |               |  |       |             |              |         |                      |                  |              |                  |       |               |                   |
|                        |                              | 10          |               |  |       |             |              |         |                      |                  |              |                  |       |               |                   |
|                        |                              | 11          |               |  |       |             |              |         |                      |                  |              |                  |       |               |                   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm <b>Terracon Consultants, Inc.</b><br>9856 South 57th Street Franklin, Wisconsin 53132 | Tel: 414.423.0255<br>Fax: 414.423.0566 |
|-----------|--|--|

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| Facility/Project Name<br><b>Dry Cleaners Etc. (Terracon Project No. 58107028)</b>  |  | License/Permit/Monitoring Number            |  | Boring Number<br><b>MW-3</b>  |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm<br><b>Mike McArdle<br/>M&amp;K Environmental Soils &amp; Drilling</b>       |  | Date Drilling Started<br><b>2/17/2011</b>   |  | Date Drilling Completed<br><b>2/17/2011</b>   |  |
| WI Unique Well No.   |  | DNR Well ID No.                             |  | Common Well Name  |  |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> |  | Final Static Water Level<br><b>Feet MSL</b> |  | Surface Elevation<br><b>Feet MSL</b>  |  |
| State Plane<br><b>N, E S/C/N</b>   |  | Lat <b>44° 23' 20.4"</b>                    |  | Local Grid Location<br><input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |  |
| 1/4 of   |  | 1/4 of Section <b>12, T 22 N, R 14 E</b>    |  | Long <b>-88° 44' 21.6"</b>  |  |
| Facility ID  |  | County<br><b>Waupaca</b>                    |  | County Code<br><b>69</b>  |  |
|  |  |   |  | Civil Town/City/ or Village<br><b>New London</b>  |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit   | USCS  | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/Comments |  |
|------------------------|------------------------------|-------------|---------------|---|-------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|--------------|--|
|                        |                              |             |               |   |       |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |              |  |
| HS                     | 12                           |             |               | CONCRETE  |       |             |              |         |                      |                  |              |                  |       |              |  |
| 1 SS                   | 24                           | 2           | 1.5           | TOPSOIL   |       |             |              |         |                      |                  |              |                  |       |              |  |
|                        | 10                           | 6           |               | FILL: Sand, silt and clay - Brown. moist  |       |             |              |         |                      |                  |              |                  |       |              |  |
| 2 SS                   | 24                           | 5           | 3.0           | SILTY CLAY - Red-brown, slightly stiff, non-plastic, moist  |       |             |              |         |                      |                  |              |                  |       |              |  |
|                        | 22                           | 6           |               |   |       |             |              |         |                      |                  |              |                  |       |              |  |
|                        |                              | 6           | 4.5           |   | CL-ML |             |              |         |                      |                  |              |                  |       |              |  |
| 3 SS                   | 24                           | 4           | 6.0           | - w/ trace gravel and sand  |       |             |              |         |                      |                  |              |                  |       |              |  |
|                        | 20                           | 4           |               |   |       |             |              |         |                      |                  |              |                  |       |              |  |
| 4 SS                   | 24                           | 3           | 7.5           | SAND - Orange, very fine to fine-grained, poorly-graded, stratified silt layers 0.25"-1.0" thick, moist |       |             |              |         |                      |                  |              |                  |       |              |  |
|                        | 24                           | 3           |               |   |       |             |              |         |                      |                  |              |                  |       |              |  |
| 5 SS                   | 24                           | 6           | 9.0           |   |       |             |              |         |                      |                  |              |                  |       |              |  |
|                        | 24                           | 7           |               |   |       |             |              |         |                      |                  |              |                  |       |              |  |
| 6 SS                   | 24                           | 3           | 10.5          | - Light brown   |       |             |              |         |                      |                  |              |                  |       |              |  |
|                        | 19                           | 6           |               |   | SP    |             |              |         |                      |                  |              |                  |       |              |  |
|                        |                              | 8           | 12.0          |   |       |             |              |         |                      |                  |              |                  |       |              |  |
| 7 SS                   | 24                           | 7           | 13.5          |   |       |             |              |         |                      |                  |              |                  |       |              |  |
|                        | 21                           | 11          |               |   |       |             |              |         |                      |                  |              |                  |       |              |  |
|                        |                              | 14          | 15.0          |   |       |             |              |         |                      |                  |              |                  |       |              |  |
| 8 SS                   | 24                           | 9           | 16.5          |   |       |             |              |         |                      |                  |              |                  |       |              |  |
|                        | 17                           | 12          |               |   |       |             |              |         |                      |                  |              |                  |       |              |  |
|                        |                              | 16          | 18.0          |   |       |             |              |         |                      |                  |              |                  |       |              |  |
| 9 SS                   | 24                           | 4           | 19.5          | SILT - Brown, moist   | ML    |             |              |         |                      |                  |              |                  |       |              |  |
|                        | 24                           | 12          |               | SAND w/ silt - Light brown, very fine to fine-grained, poorly-graded, dry                               |       |             |              |         |                      |                  |              |                  |       |              |  |
|                        |                              | 15          |               |   |       |             |              |         |                      |                  |              |                  |       |              |  |
| 10 SS                  | 24                           | 4           |               |   | SP    |             |              |         |                      |                  |              |                  |       |              |  |
|                        | 20                           | 7           |               |   |       |             |              |         |                      |                  |              |                  |       |              |  |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature \_\_\_\_\_ Firm **Terracon Consultants, Inc.** Tel: 414.423.0255  
9856 South 57th Street Franklin, Wisconsin 53132 Fax: 414.423.0566

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|   |  |                          |   |  |   |  |
|---|--|--------------------------|---|--|---|--|
| Facility/Project Name<br><b>Dry Cleaners Etc. (Terracon Project No. 58107028)</b>   |  |                          | License/Permit/Monitoring Number          |  | Boring Number<br><b>MW-4</b>  |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm<br><b>Mike McArdle<br/>M&amp;K Environmental Soils &amp; Drilling</b>  |  |                          | Date Drilling Started<br><b>2/17/2011</b> |  | Date Drilling Completed<br><b>2/17/2011</b>                               |  |
| WI Unique Well No.  |  | DNR Well ID No.          | Common Well Name                          | Final Static Water Level<br>Feet MSL             |   | Surface Elevation<br>Feet MSL          |
|   |  |                          |   |  |   | Borehole Diameter<br><b>8.0 inches</b> |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/><br>State Plane <b>N, E S/C/N</b> |  |                          | Lat <b>44° 23' 20.4"</b>                  |  | Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E |  |
| 1/4 of 1/4 of Section <b>12, T 22 N, R 14 E</b>   |  |                          | Long <b>-88° 44' 21.6"</b>                |  | Feet <input type="checkbox"/> S <input type="checkbox"/> W                |  |
| Facility ID   |  | County<br><b>Waupaca</b> | County Code<br><b>69</b>                  | Civil Town/City/ or Village<br><b>New London</b> |   |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit  | USCS           | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/ Comments |                   |
|------------------------|------------------------------|-------------|---------------|--|----------------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|---------------|-------------------|
|                        |                              |             |               |  |                |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |               |                   |
| HS                     | 12                           |             |               | CONCRETE   |                |             |              |         |                      |                  |              |                  |       |               |                   |
| 1 SS                   | 24<br>23                     | 7<br>12     | 1.5           | SILTY SAND - Dark brown, very fine to medium-grained, poorly-graded, moist                                       | SP-SM          |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 2 SS                   | 24<br>19                     | 8<br>7      | 3.0           | SILTY CLAY w/ trace sand - Red-brown, slightly stiff, slightly plastic, moist                                    |                |             |              | <1      |                      |                  |              |                  |       |               | *Sample submitted |
| 3 SS                   | 24<br>18                     | 3<br>5      | 4.5           |  | CL-MI          |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 4 SS                   | 24<br>21                     | 6<br>9      | 7.5           |  |                |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 5 SS                   | 24<br>20                     | 2<br>4      | 9.0           | SAND - Red-brown, fine to medium-grained, poorly-graded, moist   | SP             |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 6 SS                   | 24<br>21                     | 7<br>6      | 10.5          | SILTY CLAY - Red-brown, slightly stiff, slightly plastic, moist  | CL-MI          |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 6 SS                   | 24<br>21                     | 3<br>6      | 12.0          | SILTY SAND - Orange-brown, very fine to fine-grained, poorly-graded, moist                                       | SP-SM          |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 7 SS                   | 24<br>20                     | 7<br>9      | 13.5          | SILTY SAND - Light brown, very fine to medium-grained, well-graded, stratified silt layers 0.25"-0.5" thick, dry |                |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 8 SS                   | 24<br>16                     | 6<br>12     | 15.0          | - very fine to fine-grained, poorly-graded   | SP-SM<br>SW-SM |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 9 SS                   | 24<br>20                     | 16<br>37    | 18.0          |  |                |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 10 SS                  | 24<br>20                     | 6<br>13     | 19.5          |  |                |             |              | <1      |                      |                  |              |                  |       |               |                   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm <b>Terracon Consultants, Inc.</b><br>9856 South 57th Street Franklin, Wisconsin 53132 | Tel: 414.423.0255<br>Fax: 414.423.0566 |
|-----------|--|--|

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Boring Number **MW-4**

Use only as an attachment to Form 4400-122.

Page **2** of **2**

| Sample             |                                 | Blow Counts | Depth In Feet | Soil/Rock Description<br>And Geologic Origin For<br>Each Major Unit   | USCS           | Graphic<br>Log | Well<br>Diagram | PID/FID | Soil Properties         |                     |                 |                     |       | RQD/<br>Comments |
|--------------------|---------------------------------|-------------|---------------|---|----------------|----------------|-----------------|---------|-------------------------|---------------------|-----------------|---------------------|-------|------------------|
| Number<br>and Type | Length Att. &<br>Recovered (in) |             |               |   |                |                |                 |         | Compressive<br>Strength | Moisture<br>Content | Liquid<br>Limit | Plasticity<br>Index | P 200 |                  |
| 11<br>SS           | 24<br>18                        | 15          | 21.0          | SILTY SAND - Light brown, very fine to medium-grained, well-graded, stratified silt layers 0.25"-0.5" thick, dry ( <i>continued</i> ) |                |                |                 | <1      |                         |                     |                 |                     |       |                  |
|                    |                                 | 16          | 22.5          |   |                |                |                 |         |                         |                     |                 |                     |       |                  |
| 12<br>SS           | 24<br>20                        | 9           | 24.0          | - fine to medium-grained  | SP-SM<br>SW-SM |                |                 | <1      |                         |                     |                 |                     |       |                  |
|                    |                                 | 10          | 25.5          |   |                |                |                 |         |                         |                     |                 |                     |       |                  |
| 13<br>SS           | 24<br>22                        | 3           | 27.0          | SILT - Brown, moist   | ML             |                |                 | <1      |                         |                     |                 |                     |       |                  |
|                    |                                 | 4           | 28.5          |   |                |                |                 |         |                         |                     |                 |                     |       |                  |
| 14<br>SS           | 24<br>22                        | 5           | 30.0          | SILTY SAND - Light brown, fine to coarse-grained, well-graded, stratified silt layers 0.25"-0.5" thick, dry                           |                |                |                 | <1      |                         |                     |                 |                     |       |                  |
|                    |                                 | 6           | 31.5          |   |                |                |                 |         |                         |                     |                 |                     |       |                  |
| 15<br>SS           | 24<br>23                        | 7           | 33.0          |   |                |                |                 | <1      |                         |                     |                 |                     |       |                  |
|                    |                                 | 8           | 34.5          |   |                |                |                 |         |                         |                     |                 |                     |       |                  |
| 16<br>SS           | 24<br>19                        | 4           | 36.0          | Wet @ 34'   | SW-SM          |                |                 | <1      |                         |                     |                 |                     |       |                  |
|                    |                                 | 5           | 37.5          |   |                |                |                 |         |                         |                     |                 |                     |       |                  |
| 17<br>SS           | 24<br>19                        | 6           | 39.0          |   |                |                |                 | <1      |                         |                     |                 |                     |       |                  |
|                    |                                 | 7           | 40.5          |   |                |                |                 |         |                         |                     |                 |                     |       |                  |
| HS                 | 72                              | 11          | 41.0          | EOB @ 41'   |                |                |                 |         |                         |                     |                 |                     |       |                  |

\*Sample submitted



Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|   |  |                                      |   |  |   |  |  |
|---|--|--------------------------------------|---|--|---|--|--|
| Facility/Project Name<br><b>Dry Cleaners Etc. (Terracon Project No. 58107028)</b>   |  |                                      | License/Permit/Monitoring Number          |  | Boring Number<br><b>P-2</b>   |  |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm<br><b>Dan Bendorf<br/>Probe Technologies, Inc.</b>   |  |                                      | Date Drilling Started<br><b>8/31/2010</b> |  | Date Drilling Completed<br><b>8/31/2010</b>                               |  |  |
| Drilling Method<br><b>Push Probe</b>  |  | WI Unique Well No.                   |   | DNR Well ID No.                        |   | Common Well Name                                 |  |
| Final Static Water Level<br><b>Feet MSL</b>   |  | Surface Elevation<br><b>Feet MSL</b> |   | Borehole Diameter<br><b>2.0 inches</b> |   |  |  |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/><br>State Plane <b>N, E S/C/N</b> |  |                                      | Lat <b>44° 23' 20.4"</b>                  |  | Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E |  |  |
| 1/4 of <b>12, T 22 N, R 14 E</b>  |  |                                      | Long <b>-88° 44' 21.6"</b>                |  | Feet <input type="checkbox"/> S <input type="checkbox"/> W                |  |  |
| Facility ID   |  | County<br><b>Waupaca</b>             |   | County Code<br><b>69</b>               |   | Civil Town/City/ or Village<br><b>New London</b> |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit  | USCS  | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/ Comments |                   |
|------------------------|------------------------------|-------------|---------------|--|-------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|---------------|-------------------|
|                        |                              |             |               |  |       |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |               |                   |
| 1 PP                   | 48 25                        |             | 2.5           | CONCRETE   |       |             |              |         |                      |                  |              |                  |       |               |                   |
|                        |                              |             |               | SAND w/ silt - Orange-brown, fine-grained, poorly graded, moist  | SP    |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 2 PP                   | 48 48                        |             | 5.0           | SILTY CLAY w/ trace gravel - Orange-brown, non-cohesive, angular gravel (<0.25"), soft, moist                      | CL-MI |             |              | <1      |                      |                  |              |                  |       |               | *Sample submitted |
|                        |                              |             |               |  |       |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 3 PP                   | 48 39                        |             | 7.5           | SAND w/ silt - Red-brown, very fine to fine-grained, poorly graded, moist  |       |             |              | <1      |                      |                  |              |                  |       |               |                   |
|                        |                              |             |               | - fine to medium- graded   | SP-ML |             |              | 4.6     |                      |                  |              |                  |       |               |                   |
| 4 PP                   | 48 36                        |             | 12.5          | SAND & GRAVEL - Light brown-gray, well graded, medium to coarse grained sand, subangular gravel (0.25"-0.75"), dry | SP/GP |             |              | 3.1     |                      |                  |              |                  |       |               |                   |
|                        |                              |             |               |  |       |             |              | 6.0     |                      |                  |              |                  |       |               |                   |
| 5 PP                   | 48 36                        |             | 17.5          | SILT w/ clay - Brown, lean, non-cohesive, dry  | ML    |             |              | 6.7     |                      |                  |              |                  |       |               | *Sample submitted |
|                        |                              |             |               |  |       |             |              | 6.7     |                      |                  |              |                  |       |               |                   |
| 6 PP                   | 48 38                        |             | 20.0          | SAND & GRAVEL - Light brown-gray, well graded, medium to coarse grained sand, subangular gravel (0.25"-0.75"), dry | SP/GP |             |              | 6.0     |                      |                  |              |                  |       |               |                   |
|                        |                              |             |               |  |       |             |              | 6.0     |                      |                  |              |                  |       |               |                   |
|                        |                              |             |               | SAND w/ silt - Light brown, fine-grained, poorly graded, moist   |       |             |              | 5.3     |                      |                  |              |                  |       |               |                   |
|                        |                              |             |               |  | SP    |             |              | 3.1     |                      |                  |              |                  |       |               |                   |
| 7 PP                   | 48 40                        |             | 25.0          |  |       |             |              | 3.9     |                      |                  |              |                  |       |               |                   |
|                        |                              |             |               | Wet @ 26'  |       |             |              | 4.6     |                      |                  |              |                  |       |               | *Sample submitted |
|                        |                              |             |               | EOB @ 28'  |       |             |              | 5.3     |                      |                  |              |                  |       |               |                   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm <b>Terracon Consultants, Inc.</b><br>9856 South 57th Street Franklin, Wisconsin 53132 | Tel: 414.423.0255<br>Fax: 414.423.0566 |
|-----------|--|--|

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|  |  |  |   |   |   |
|--|--|--|---|---|---|
| Facility/Project Name<br><b>Dry Cleaners Etc. (Terracon Project No. 58107028)</b>  |  | License/Permit/Monitoring Number         |   | Boring Number<br><b>P-4</b>   |   |
| Boring Drilled By: Name of crew chief (first, last) and Firm<br><b>Dan Bendorf<br/>Probe Technologies, Inc.</b>                          |  |  | Date Drilling Started<br><b>8/31/2010</b> |   | Date Drilling Completed<br><b>8/31/2010</b> |
| WI Unique Well No.   |  | DNR Well ID No.                          | Common Well Name                          | Final Static Water Level<br><b>Feet MSL</b>   | Surface Elevation<br><b>Feet MSL</b>        |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> |  | State Plane<br><b>N, E S/C/N</b>         |   | Local Grid Location<br><input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |   |
| 1/4 of   |  | 1/4 of Section <b>12, T 22 N, R 14 E</b> |   | Lat <b>44° 23' 20.4"</b><br>Long <b>-88° 44' 21.6"</b>  |   |
| Facility ID  |  | County<br><b>Waupaca</b>                 | County Code<br><b>69</b>                  | Civil Town/City/ or Village<br><b>New London</b>  |   |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit                                | USCS  | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/ Comments |                   |
|------------------------|------------------------------|-------------|---------------|--|-------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|---------------|-------------------|
|                        |                              |             |               |  |       |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |               |                   |
| 1 PP                   | 48 34                        |             |               | TOPSOIL  |       |             |              |         |                      |                  |              |                  |       |               |                   |
|                        |                              |             | 2.5           | SILTY CLAY - Red-brown, non-cohesive, soft, moist  | CL-MI |             |              | 3.1     |                      |                  |              |                  |       |               |                   |
| 2 PP                   | 48 36                        |             | 5.0           | SAND w/ silt and organics - Orange-brown, fine-grained, well graded, moist                   | SW    |             |              | 3.1     |                      |                  |              |                  |       |               | *Sample submitted |
|                        |                              |             | 7.5           | SILTY CLAY - Red-brown, non-cohesive, firm, moist  | CL-MI |             |              | 1.7     |                      |                  |              |                  |       |               |                   |
|                        |                              |             | 7.5           | SAND & GRAVEL - Brown-black, medium to coarse- grained sand sub-angular gravel (<0.25"), dry | SP/GP |             |              | 2.4     |                      |                  |              |                  |       |               |                   |
| 3 PP                   | 48 44                        |             | 10.0          | SAND w/ silt - Light brown, fine to medium- grained, well graded, moist                      | SW    |             |              | 1.7     |                      |                  |              |                  |       |               |                   |
|                        |                              |             | 12.5          | SAND & GRAVEL - Light brown, fine to coarse- grained, subangular gravel (0.25-1"), moist     | SW    |             |              | 3.9     |                      |                  |              |                  |       |               |                   |
| 4 PP                   | 48 40                        |             | 12.5          |  |       |             |              | 4.6     |                      |                  |              |                  |       |               |                   |
|                        |                              |             | 15.0          |  |       |             |              | 4.6     |                      |                  |              |                  |       |               | *Sample submitted |
| 5 PP                   | 48 40                        |             | 17.5          |  |       |             |              | 5.3     |                      |                  |              |                  |       |               |                   |
|                        |                              |             | 20.0          |  |       |             |              | 5.3     |                      |                  |              |                  |       |               |                   |
| 6 PP                   | 48 36                        |             | 20.0          |  |       |             |              | 3.9     |                      |                  |              |                  |       |               |                   |
|                        |                              |             | 22.5          |  |       |             |              | 2.4     |                      |                  |              |                  |       |               |                   |
| 7 PP                   | 48 36                        |             | 25.0          |  |       |             |              | 3.9     |                      |                  |              |                  |       |               |                   |
|                        |                              |             | 27.5          |  |       |             |              | 4.6     |                      |                  |              |                  |       |               |                   |
| 8 PP                   | 48 32                        |             | 30.0          | Wet @ 28'  | SP    |             |              | 2.4     |                      |                  |              |                  |       |               | *Sample submitted |
|                        |                              |             | 30.0          |  |       |             |              | 2.4     |                      |                  |              |                  |       |               |                   |
|                        |                              |             | 30.0          |  |       |             |              | 2.4     |                      |                  |              |                  |       |               |                   |
|                        |                              |             | 30.0          | EOB @ 32'  |       |             |              | 2.4     |                      |                  |              |                  |       |               |                   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm <b>Terracon Consultants, Inc.</b><br>9856 South 57th Street Franklin, Wisconsin 53132 | Tel: 414.423.0255<br>Fax: 414.423.0566 |
|-----------|--|--|

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|  |                 |   |  |  |  |
|--|-----------------|---|--|--|--|
| Facility/Project Name<br><b>Dry Cleaners Etc. (Terracon Project No. 58107028)</b>  |                 | License/Permit/Monitoring Number            |  | Boring Number<br><b>P-5</b>                |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm<br><b>Dan Bendorf<br/>Probe Technologies, Inc.</b>                          |                 | Date Drilling Started<br><b>9/1/2010</b>    |  | Date Drilling Completed<br><b>9/1/2010</b> |  |
| Drilling Method<br><b>Push Probe</b>   |                 | Final Static Water Level<br><b>Feet MSL</b> |  | Surface Elevation<br><b>Feet MSL</b>       |  |
| WI Unique Well No.   | DNR Well ID No. | Common Well Name                            | Borehole Diameter<br><b>2.0 inches</b> |  |  |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> |                 |   | Local Grid Location                    |  |  |
| State Plane<br><b>N, E S/C/N</b>   |                 |   | Lat <b>44° 23' 20.4"</b>               |  |  |
| 1/4 of Section <b>12, T 22 N, R 14 E</b>   |                 |   | Long <b>-88° 44' 21.6"</b>             |  |  |
| Feet <input type="checkbox"/> S  |                 | Feet <input type="checkbox"/> N             |  | Feet <input type="checkbox"/> W            |  |

|             |                          |                          |  |
|-------------|--------------------------|--------------------------|--|
| Facility ID | County<br><b>Waupaca</b> | County Code<br><b>69</b> | Civil Town/City/ or Village<br><b>New London</b> |
|-------------|--------------------------|--------------------------|--|

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit  | USCS  | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/ Comments |                   |
|------------------------|------------------------------|-------------|---------------|--|-------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|---------------|-------------------|
|                        |                              |             |               |  |       |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |               |                   |
| 1 PP                   | 48<br>36                     |             |               | TOPSOIL  |       |             |              |         |                      |                  |              |                  |       |               |                   |
|                        |                              |             | 2.5           | SILTY SAND - Red-brown, fine to medium-grained, poorly graded, moist   | SP-ML |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 2 PP                   | 48<br>43                     |             | 5.0           | SILTY CLAY w/ trace gravel - Orange-brown, non-cohesive, sub-angular gravel (<0.25"), moist                    | CL-ML |             |              | <1      |                      |                  |              |                  |       |               | *Sample submitted |
| 3 PP                   | 48<br>36                     |             | 7.5           | SAND w/ silt - Light brown, fine-grained, poorly graded, moist   |       |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 4 PP                   | 48<br>36                     |             | 10.0          |  | SP    |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 5 PP                   | 48<br>43                     |             | 12.5          |  |       |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 6 PP                   | 48<br>39                     |             | 15.0          | SAND & GRAVEL - Light brown-red, medium to coarse- grained sand, angular gravel (0.25"-1"), well graded, moist | SP/GP |             |              | <1      |                      |                  |              |                  |       |               | *Sample submitted |
| 7 PP                   | 48<br>33                     |             | 17.5          |  |       |             |              | <1      |                      |                  |              |                  |       |               |                   |
|                        |                              |             | 20.0          | SILTY CLAY - Brown, non-cohesive, firm, moist  | CL-ML |             |              | <1      |                      |                  |              |                  |       |               |                   |
| 8 PP                   | 48<br>43                     |             | 22.5          | SAND w/ silt - Light brown, very fine to fine- grained sand, poorly graded, moist                              |       |             |              | <1      |                      |                  |              |                  |       |               |                   |
|                        |                              |             | 25.0          | Wet @ 27.5'  | SP    |             |              | <1      |                      |                  |              |                  |       |               | *Sample submitted |
|                        |                              |             | 27.5          |  |       |             |              | <1      |                      |                  |              |                  |       |               |                   |
|                        |                              |             | 30.0          |  |       |             |              | <1      |                      |                  |              |                  |       |               |                   |
|                        |                              |             |               | EOB @ 32'  |       |             |              | <1      |                      |                  |              |                  |       |               |                   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm <b>Terracon Consultants, Inc.</b><br>9856 South 57th Street Franklin, Wisconsin 53132 | Tel: 414.423.0255<br>Fax: 414.423.0566 |
|-----------|--|--|

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|  |  |  |  |  |  |   |
|--|--|--|--|--|--|---|
| Facility/Project Name<br><b>Dry Cleaners Etc. (Terracon Project No. 58107028)</b>  |  |  | License/Permit/Monitoring Number         |  | Boring Number<br><b>P-6</b>                |   |
| Boring Drilled By: Name of crew chief (first, last) and Firm<br><b>Dan Bendorf<br/>Probe Technologies, Inc.</b>                          |  |  | Date Drilling Started<br><b>9/1/2010</b> |  | Date Drilling Completed<br><b>9/1/2010</b> |   |
| WI Unique Well No.   |  | DNR Well ID No.                          | Common Well Name                         | Final Static Water Level<br><b>Feet MSL</b>      |  | Surface Elevation<br><b>Feet MSL</b>  |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> |  | State Plane<br><b>N, E S/C/N</b>         |  | Lat <b>44° 23' 20.4"</b>                         |  | Local Grid Location<br><input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |
| 1/4 of   |  | 1/4 of Section <b>12, T 22 N, R 14 E</b> |  | Long <b>-88° 44' 21.6"</b>                       |  | Borehole Diameter<br><b>2.0 inches</b>  |
| Facility ID  |  | County<br><b>Waupaca</b>                 | County Code<br><b>69</b>                 | Civil Town/City/ or Village<br><b>New London</b> |  |   |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit                        | U S C S | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       |  | RQD/ Comments |
|------------------------|------------------------------|-------------|---------------|--|---------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|--|---------------|
|                        |                              |             |               |  |         |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |  |               |
| 1<br>PP                | 48<br>36                     |             | 1.5           | TOPSOIL  |         |             |              |         |                      |                  |              |                  |       |  |               |
|                        |                              |             |               | SAND w/ silt - Brown, fine-grained, poorly graded, moist                             | SP      |             |              | <       |                      |                  |              |                  |       |  |               |
| 2<br>PP                | 48<br>48                     |             | 4.5           | CLAY w/ silt - Brown, tan mottling, firm, slightly cohesive, moist                   | CL      |             |              |         |                      |                  |              |                  |       |  |               |
|                        |                              |             |               |  |         |             |              | <       |                      |                  |              |                  |       |  |               |
| 3<br>PP                | 48<br>33                     |             | 9.0           | SAND w/ silt - Brown, very fine to fine-grained, poorly graded, stiff, moist         | SP      |             |              |         |                      |                  |              |                  |       |  |               |
|                        |                              |             |               |  |         |             |              | <       |                      |                  |              |                  |       |  |               |
| 4<br>PP                | 48<br>48                     |             | 13.5          | SAND & GRAVEL - Brown, fine to coarse-grained sand, angular gravel (0.25"-1"), moist | SP/GP   |             |              |         |                      |                  |              |                  |       |  |               |
|                        |                              |             |               |  |         |             |              | <       |                      |                  |              |                  |       |  |               |
| 5<br>PP                | 48<br>36                     |             | 19.5          |  |         |             |              |         |                      |                  |              |                  |       |  |               |
|                        |                              |             |               | EOB @ 20'  |         |             |              | <       |                      |                  |              |                  |       |  |               |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm <b>Terracon Consultants, Inc.</b><br>9856 South 57th Street Franklin, Wisconsin 53132 | Tel: 414.423.0255<br>Fax: 414.423.0566 |
|-----------|--|--|

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|  |  |  |  |   |  |
|--|--|--|--|---|--|
| Facility/Project Name<br><b>Dry Cleaners Etc. (Terracon Project No. 58107028)</b>  |  | License/Permit/Monitoring Number         |  | Boring Number<br><b>P-7</b>   |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm<br><b>Dan Bendorf<br/>Probe Technologies, Inc.</b>                          |  | Date Drilling Started<br><b>9/1/2010</b> |  | Date Drilling Completed<br><b>9/1/2010</b>  |  |
| Drilling Method<br><b>Push Probe</b>   |  | WI Unique Well No.                       |  | DNR Well ID No.   |  |
| Common Well Name   |  | Final Static Water Level<br>Feet MSL     |  | Surface Elevation<br>Feet MSL   |  |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> |  | State Plane<br>N, E S/C/N                |  | Local Grid Location<br><input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |  |
| 1/4 of   |  | 1/4 of Section <b>12, T 22 N, R 14 E</b> |  | Lat <b>44° 23' 20.4"</b><br>Long <b>-88° 44' 21.6"</b>  |  |
| Facility ID  |  | County<br><b>Waupaca</b>                 |  | County Code<br><b>69</b>  |  |
|  |  |  |  | Civil Town/City/ or Village<br><b>New London</b>  |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit   | USCS  | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |                   | RQD/ Comments     |
|------------------------|------------------------------|-------------|---------------|---|-------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------------------|-------------------|
|                        |                              |             |               |   |       |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200             |                   |
| 1<br>PP                | 48<br>31                     |             | 1.5           | ASPHALT/CONCRETE  |       |             |              |         |                      |                  |              |                  |                   |                   |
|                        |                              |             | 3.0           | SAND w/ silt - Brown, fine-grained, poorly graded, moist  | SP    |             |              | 5.6     |                      |                  |              |                  | *Sample submitted |                   |
| 2<br>PP                | 48<br>48                     |             | 4.5           | SILTY CLAY - Red-brown, slightly cohesive, stiff, moist   | CL-ML |             |              |         |                      |                  |              |                  |                   |                   |
|                        |                              |             | 6.0           | SAND w/ silt - Light brown-orange, very fine to fine grained, poorly graded, moist                    |       |             |              | 4.2     |                      |                  |              |                  |                   |                   |
| 3<br>PP                | 48<br>36                     |             | 7.5           | - fine to medium grained  |       |             |              |         |                      |                  |              |                  |                   |                   |
|                        |                              |             | 9.0           | - w/ angular gravel (<0.25")  | SP-ML |             |              |         | 6.3                  |                  |              |                  |                   |                   |
| 4<br>PP                | 48<br>38                     |             | 10.5          |   |       |             |              |         |                      |                  |              |                  |                   |                   |
|                        |                              |             | 12.0          | SAND & GRAVEL - Brown, fine to coarse grained sand, sub-angular gravel (0.25"-1"), well-graded, moist |       |             |              |         | 6.3                  |                  |              |                  |                   |                   |
| 5<br>PP                | 48<br>37                     |             | 13.5          |   |       |             |              |         |                      |                  |              |                  |                   |                   |
|                        |                              |             | 15.0          |   | SP-GP |             |              |         | 7.1                  |                  |              |                  | *Sample submitted |                   |
|                        |                              |             | 16.5          |   |       |             |              |         |                      |                  |              |                  |                   |                   |
|                        |                              |             | 18.0          | SAND w/ silt - Light brown, very fine to fine grained, poorly graded, moist                           | SP    |             |              |         |                      |                  |              |                  |                   |                   |
|                        |                              |             | 19.5          |   |       |             |              |         |                      |                  |              |                  |                   |                   |
|                        |                              |             |               | EOB @ 20'   |       |             |              |         |                      |                  |              |                  |                   | *Sample submitted |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm <b>Terracon Consultants, Inc.</b><br>9856 South 57th Street Franklin, Wisconsin 53132 | Tel: 414.423.0255<br>Fax: 414.423.0566 |
|-----------|--|--|

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Route To:  Watershed/Wastewater  Waste Management   
 Remediation/Redevelopment  Other

|  |  |  |  |   |  |
|--|--|--|--|---|--|
| Facility/Project Name<br><b>Dry Cleaners Etc. (Terracon Project No. 58107028)</b>  |  | License/Permit/Monitoring Number                 |  | Boring Number<br><b>P-8</b>   |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm<br><b>Dan Bendorf<br/>Probe Technologies, Inc.</b>                          |  | Date Drilling Started<br><b>9/1/2010</b>         |  | Date Drilling Completed<br><b>9/1/2010</b>  |  |
| Drilling Method<br><b>Push Probe</b>   |  | WI Unique Well No.                               |  | DNR Well ID No.   |  |
| Common Well Name   |  | Final Static Water Level<br>Feet MSL             |  | Surface Elevation<br>Feet MSL   |  |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> |  | State Plane<br>N, E S/C/N                        |  | Local Grid Location<br><input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |  |
| 1/4 of Section 12, T 22 N, R 14 E  |  | Lat <b>44° 23' 20.4"</b>                         |  | Long <b>-88° 44' 21.6"</b>  |  |
| Facility ID  |  | County<br><b>Waupaca</b>                         |  | County Code<br><b>69</b>  |  |
|  |  | Civil Town/City/ or Village<br><b>New London</b> |  |   |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit   | USCS  | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/Comments |                   |
|------------------------|------------------------------|-------------|---------------|---|-------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|--------------|-------------------|
|                        |                              |             |               |   |       |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |              |                   |
| 1 PP                   | 48<br>36                     |             | 2.5           | ASPHALT/CONCRETE  | SP    |             |              |         |                      |                  |              |                  |       |              |                   |
|                        |                              |             |               | SAND w/ silt - Brown, fine-grained, poorly graded, dry  | CL-MI |             |              | <1      |                      |                  |              |                  |       |              |                   |
| 2 PP                   | 48<br>29                     |             | 5.0           | SILTY CLAY - Brown, lean, stiff, moist  |       |             |              | <1      |                      |                  |              |                  |       |              | *Sample submitted |
|                        |                              |             |               | SAND w/ silt - Orange-brown, fine-grained, poorly graded, moist                                       |       |             |              | <1      |                      |                  |              |                  |       |              |                   |
| 3 PP                   | 48<br>41                     |             | 7.5           |   | SP    |             |              | 1.4     |                      |                  |              |                  |       |              |                   |
|                        |                              |             |               | - Approx. 6" SILT - Brown, stiff, moist   |       |             |              | 1.4     |                      |                  |              |                  |       |              |                   |
| 4 PP                   | 48<br>36                     |             | 12.5          | - fine to medium grained  |       |             |              | 2.8     |                      |                  |              |                  |       |              |                   |
| 5 PP                   | 48<br>38                     |             | 15.0          | SAND & GRAVEL - Brown, medium to coarse-grained sand, angular gravel (0.25"-0.5"), well graded, moist | SP/GP |             |              | 3.5     |                      |                  |              |                  |       |              |                   |
|                        |                              |             |               | SAND w/ silt - Light brown, fine to medium grained, poorly graded, moist                              |       |             |              | 2.8     |                      |                  |              |                  |       |              |                   |
| 6 PP                   | 48<br>46                     |             | 17.5          |   |       |             |              | 4.2     |                      |                  |              |                  |       |              |                   |
|                        |                              |             |               |   |       |             |              | 4.2     |                      |                  |              |                  |       |              |                   |
| 7 PP                   | 48<br>36                     |             | 20.0          |   | SP    |             |              | 6.3     |                      |                  |              |                  |       |              | *Sample submitted |
|                        |                              |             |               |   |       |             |              | 5.6     |                      |                  |              |                  |       |              |                   |
|                        |                              |             |               |   |       |             |              | 4.9     |                      |                  |              |                  |       |              |                   |
|                        |                              |             |               | Wet @ 25.5'   |       |             |              | 4.9     |                      |                  |              |                  |       |              | *Sample submitted |
|                        |                              |             |               |   |       |             |              | 4.6     |                      |                  |              |                  |       |              |                   |
|                        |                              |             |               |   |       |             |              | 4.6     |                      |                  |              |                  |       |              |                   |
|                        |                              |             |               |   |       |             |              | 4.6     |                      |                  |              |                  |       |              |                   |
|                        |                              |             |               |   |       |             |              | 4.6     |                      |                  |              |                  |       |              |                   |
|                        |                              |             |               | EOB @ 32'   |       |             |              | 4.6     |                      |                  |              |                  |       |              |                   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm <b>Terracon Consultants, Inc.</b><br>9856 South 57th Street Franklin, Wisconsin 53132 | Tel: 414.423.0255<br>Fax: 414.423.0566 |
|-----------|--|--|

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|   |  |  |  |  |   |  |
|---|--|--|--|--|---|--|
| Facility/Project Name<br><b>Dry Cleaners Etc. (Terracon Project No. 58107028)</b>   |  |  | License/Permit/Monitoring Number         |  | Boring Number<br><b>P-9</b>   |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm<br><b>Dan Bendorf<br/>Probe Technologies, Inc.</b>   |  |  | Date Drilling Started<br><b>9/2/2010</b> |  | Date Drilling Completed<br><b>9/2/2010</b>  |  |
| WI Unique Well No.  |  | DNR Well ID No.                          | Common Well Name                         | Final Static Water Level<br>Feet MSL             |   | Surface Elevation<br>Feet MSL          |
|   |  |  |  |  |   | Borehole Diameter<br><b>2.0 inches</b> |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/><br>State Plane <b>N, E S/C/N</b> |  |  | Lat <b>44° 23' 20.4"</b>                 |  | Local Grid Location   |  |
| 1/4 of  |  | 1/4 of Section <b>12, T 22 N, R 14 E</b> | Long <b>-88° 44' 21.6"</b>               |  | Feet <input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |  |
| Facility ID   |  | County<br><b>Waupaca</b>                 | County Code<br><b>69</b>                 | Civil Town/City/ or Village<br><b>New London</b> |   |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit                                    | USCS  | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/ Comments |                   |
|------------------------|------------------------------|-------------|---------------|--|-------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|---------------|-------------------|
|                        |                              |             |               |  |       |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |               |                   |
| 1<br>PP                | 48<br>26                     |             | 1             | CONCRETE   |       |             |              |         |                      |                  |              |                  |       |               |                   |
|                        |                              |             | 2             | SAND w/ silt - Brown, fine to medium grained, poorly graded, moist                               |       |             |              | 2.9     |                      |                  |              |                  |       |               |                   |
| 2<br>PP                | 48<br>43                     |             | 3             |  | SP    |             |              |         | 2.9                  |                  |              |                  |       |               | *Sample submitted |
|                        |                              |             | 4             |  |       |             |              |         | 3.6                  |                  |              |                  |       |               | *Sample submitted |
|                        |                              |             | 6             | SILTY CLAY - Red-brown, slightly cohesive, stiff, moist  | 5.5   |             | 3.6          | 3.6     |                      |                  |              |                  |       |               |                   |
| 3<br>PP                | 48<br>36                     |             | 8             | SAND w/ silt - Orange-brown, very fine to fine grained, poorly graded, moist                     |       |             |              |         | 5.1                  |                  |              |                  |       |               |                   |
|                        |                              |             | 9             | - Approx. 6" of SILT - Brown, moist<br>- fine to medium grained, laminations of brown silt       | SP    |             |              | 3.6     |                      |                  |              |                  |       |               |                   |
| 4<br>PP                | 48<br>24                     |             | 12            |  |       |             |              |         | 2.1                  |                  |              |                  |       |               |                   |
|                        |                              |             | 13            | SAND & GRAVEL - Light brown, fine to coarse grained sand, sub-angular gravel (0.25"-0.5"), moist | SP/GP |             |              | 4.3     |                      |                  |              |                  |       |               |                   |
|                        |                              |             | 14            | EOB @ 14' (Refusal)  |       |             |              |         | 4.3                  |                  |              |                  |       |               | *Sample submitted |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm <b>Terracon Consultants, Inc.</b><br>9856 South 57th Street Franklin, Wisconsin 53132 | Tel: 414.423.0255<br>Fax: 414.423.0566 |
|-----------|--|--|

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|   |  |                                  |  |  |   |
|---|--|----------------------------------|--|--|---|
| Facility/Project Name<br><b>Dry Cleaners Etc. (Terracon Project No. 58107028)</b>   |  | License/Permit/Monitoring Number |  | Boring Number<br><b>P-10</b>           |   |
| Boring Drilled By: Name of crew chief (first, last) and Firm<br><b>Dan Bendorf<br/>Probe Technologies, Inc.</b>   |  |                                  | Date Drilling Started<br><b>9/2/2010</b> |  | Date Drilling Completed<br><b>9/2/2010</b>                                |
| WI Unique Well No.  |  | DNR Well ID No.                  | Common Well Name                         | Final Static Water Level<br>Feet MSL   |   |
|   |  |                                  |  | Surface Elevation<br>Feet MSL          |   |
|   |  |                                  |  | Borehole Diameter<br><b>2.0 inches</b> |   |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/><br>State Plane <b>N, E S/C/N</b> |  |                                  | Lat <b>44° 23' 20.4"</b>                 |  | Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E |
| 1/4 of 1/4 of Section <b>12, T 22 N, R 14 E</b>   |  |                                  | Long <b>-88° 44' 21.6"</b>               |  | Feet <input type="checkbox"/> S <input type="checkbox"/> W                |

|             |                          |                          |  |
|-------------|--------------------------|--------------------------|--|
| Facility ID | County<br><b>Waupaca</b> | County Code<br><b>69</b> | Civil Town/City/ or Village<br><b>New London</b> |
|-------------|--------------------------|--------------------------|--|

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit  | USCS  | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       |  | RQD/ Comments |
|------------------------|------------------------------|-------------|---------------|--|-------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|--|---------------|
|                        |                              |             |               |  |       |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |  |               |
| 1 PP                   | 48<br>29                     |             | 0.0 - 2.5     | ASPHALT  |       |             |              |         |                      |                  |              |                  |       |  |               |
|                        |                              |             | 2.5 - 5.0     | FILL: Gravel and concrete  |       |             |              |         |                      |                  |              |                  |       |  |               |
| 2 PP                   | 48<br>48                     |             | 5.0 - 7.5     | SAND w/ silt - Dark brown, very fine to fine grained, poorly graded, moist                                 | SP    |             |              | 2.9     |                      |                  |              |                  |       |  |               |
|                        |                              |             | 7.5 - 10.0    | SILTY CLAY - Red-brown, non-cohesive, stiff, moist   | CL-ML |             |              | 2.9     |                      |                  |              |                  |       |  |               |
| 3 PP                   | 48<br>36                     |             | 10.0 - 12.5   | SAND w/ silt - Light brown, fine to medium grained, poorly graded, moist                                   |       |             |              | 2.1     |                      |                  |              |                  |       |  |               |
| 4 PP                   | 48<br>24                     |             | 12.5 - 15.0   |  | SP    |             |              | 2.9     |                      |                  |              |                  |       |  |               |
|                        |                              |             | 15.0 - 17.5   |  |       |             |              | 2.1     |                      |                  |              |                  |       |  |               |
|                        |                              |             | 17.5 - 20.0   |  |       |             |              | 2.1     |                      |                  |              |                  |       |  |               |
| 6 PP                   | 48<br>36                     |             | 20.0 - 22.5   | SAND & GRAVEL - Brown, fine to coarse grained sand, sub-rounded gravel (0.25"-0.75"), poorly graded, moist | SP/GP |             |              | 2.1     |                      |                  |              |                  |       |  |               |
|                        |                              |             | 22.5 - 25.0   | SAND w/ silt - Light brown, very fine to fine grained, poorly graded, moist                                |       |             |              | <1      |                      |                  |              |                  |       |  |               |
|                        |                              |             | 25.0 - 27.5   |  |       |             |              | <1      |                      |                  |              |                  |       |  |               |
| 8 PP                   | 48<br>37                     |             | 27.5 - 30.0   |  | SP    |             |              | <1      |                      |                  |              |                  |       |  |               |
|                        |                              |             | 30.0 - 32.5   | Wet @ 29.5'  |       |             |              | <1      |                      |                  |              |                  |       |  |               |
|                        |                              |             | 32.5 - 34.0   | EOB @ 34'  |       |             |              | <1      |                      |                  |              |                  |       |  |               |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm <b>Terracon Consultants, Inc.</b><br>9856 South 57th Street Franklin, Wisconsin 53132 | Tel: 414.423.0255<br>Fax: 414.423.0566 |
|-----------|--|--|

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.



Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|   |  |                                  |   |  |   |
|---|--|----------------------------------|---|--|---|
| Facility/Project Name<br><b>Dry Cleaners Etc. (Terracon Project No. 58107028)</b>   |  | License/Permit/Monitoring Number |   | Boring Number<br><b>P-11</b>                     |   |
| Boring Drilled By: Name of crew chief (first, last) and Firm<br><b>Dan Bendorf<br/>Probe Technologies, Inc.</b>   |  |                                  | Date Drilling Started<br><b>9/2/2010</b>    |  | Date Drilling Completed<br><b>9/2/2010</b>                                |
| WI Unique Well No.  | DNR Well ID No.                          | Common Well Name                 | Final Static Water Level<br><b>Feet MSL</b> |  | Surface Elevation<br><b>Feet MSL</b>                                      |
|   |  |                                  |   |  | Borehole Diameter<br><b>2.0 inches</b>                                    |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/><br>State Plane <b>N, E S/C/N</b> |  |                                  | Lat <b>44° 23' 20.4"</b>                    |  | Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E |
| 1/4 of  | 1/4 of Section <b>12, T 22 N, R 14 E</b> | Long <b>-88° 44' 21.6"</b>       |   | Feet <input type="checkbox"/> S                  | Feet <input type="checkbox"/> W   |
| Facility ID   |  | County<br><b>Waupaca</b>         | County Code<br><b>69</b>                    | Civil Town/City/ or Village<br><b>New London</b> |   |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit                          | USCS  | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/ Comments |  |
|------------------------|------------------------------|-------------|---------------|--|-------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|---------------|--|
|                        |                              |             |               |  |       |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |               |  |
| 1 PP                   | 48<br>29                     |             | 2             | CONCRETE   |       |             |              |         |                      |                  |              |                  |       |               |  |
|                        |                              |             | 2             | SAND w/ silt - Dark brown, fine-grained, poorly graded, moist                          | SP-ML |             |              | 4.3     |                      |                  |              |                  |       |               |  |
| 2 PP                   | 48<br>42                     |             | 4             | SILTY CLAY - Red-brown, non-cohesive, stiff, moist                                     | CL-ML |             |              | 2.9     |                      |                  |              |                  |       |               |  |
|                        |                              |             | 6             |  |       |             |              | 3.6     |                      |                  |              |                  |       |               |  |
| 3 PP                   | 48<br>42                     |             | 8             | SAND w/ silt - Light brown, fine-grained, poorly graded, moist                         | SP-ML |             |              | 3.6     |                      |                  |              |                  |       |               |  |
|                        |                              |             | 10            |  |       |             |              | 4.3     |                      |                  |              |                  |       |               |  |
| 4 PP                   | 48<br>36                     |             | 12            | SAND & GRAVEL - Brown, fine to coarse grained sand, sub-rounded gravel (<0.25"), moist | SP/GP |             |              | 2.1     |                      |                  |              |                  |       |               |  |
|                        |                              |             | 14            | - sub-angular gravel (0.25"-1")  |       |             |              | 2.9     |                      |                  |              |                  |       |               |  |
| 5 PP                   | 48<br>38                     |             | 16            | SAND w/ silt - Light brown, fine-grained, poorly graded, moist                         |       |             |              | 3.6     |                      |                  |              |                  |       |               |  |
|                        |                              |             | 18            |  |       |             |              | 3.6     |                      |                  |              |                  |       |               |  |
| 6 PP                   | 48<br>34                     |             | 20            |  | SP    |             |              | 4.3     |                      |                  |              |                  |       |               |  |
|                        |                              |             | 22            |  |       |             |              | 3.6     |                      |                  |              |                  |       |               |  |
| 7 PP                   | 48<br>40                     |             | 24            |  |       |             |              | 4.3     |                      |                  |              |                  |       |               |  |
|                        |                              |             | 26            | Wet @ 25'  |       |             |              | 5.1     |                      |                  |              |                  |       |               |  |
|                        |                              |             | 26            |  |       |             |              | 5.1     |                      |                  |              |                  |       |               |  |
|                        |                              |             | 28            | EOB @ 28'  |       |             |              | 5.1     |                      |                  |              |                  |       |               |  |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm <b>Terracon Consultants, Inc.</b><br>9856 South 57th Street Franklin, Wisconsin 53132 | Tel: 414.423.0255<br>Fax: 414.423.0566 |
|-----------|--|--|

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.

Route to:

Watershed/Wastewater

Waste Management

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 6-97

|   |  |   |
|---|--|---|
| Facility/Project Name<br><b>ZECO LLC</b>              | Local Grid Location of Well<br>ft. N. <input type="checkbox"/> E. <input type="checkbox"/><br>ft. S. <input type="checkbox"/> W. <input type="checkbox"/>  | Well Name<br><b>Mw 1</b>  |
| Facility License, Permit or Monitoring No.            | Grid Origin Location (Check if estimated: <input type="checkbox"/> )<br>Lat. _____ Long. _____   | Wis. Unique Well No. <b>VU 284</b> DNR Well ID No. _____            |
| Facility ID   | St. Plane _____ ft. N. _____ ft. E. S/C/N  | Date Well Installed <b>2 / 1 6 / 2 0 1 1</b><br>m m d d y y v v     |
| Type of Well<br>Well Code <b>11 / MW</b>              | Section Location of Waste/Source<br>1/4 of _____ 1/4 of Sec. _____ T. _____ N, R _____ <input type="checkbox"/> E <input type="checkbox"/> W   | Well Installed By: (Person's Name and Firm)<br><b>Mike Mc Ardle</b> |
| Distance Well Is From Waste/Source Boundary _____ ft. | Location of Well Relative to Waste/Source<br>u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient<br>d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known | <b>M&amp;K Environmental &amp; Soils Drilling, LLC</b>              |

|  |   |
|--|---|
| A. Protective pipe, top elevation _____ ft. MSL  | 1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |
| B. Well casing, top elevation _____ ft. MSL  | 2. Protective cover pipe:<br>a. Inside diameter: <b>1 0 0</b> in.   |
| C. Land surface elevation _____ ft. MSL  | b. Length: <b>1 0</b> ft.   |
| D. Surface seal, bottom _____ ft. MSL or <b>0 0 0</b> ft.  | c. Material: Steel <input checked="" type="checkbox"/> 0 4<br>Other <input type="checkbox"/>  |
| 12. USCS classification of soil near screen:<br>GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/><br>SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/><br>Bedrock <input type="checkbox"/> | d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If yes, describe: _____  |
| 13. Sieve analysis performed? <input type="checkbox"/> Yes <input type="checkbox"/> No   | 3. Surface seal: Bentonite <input type="checkbox"/> 3 0<br>Concrete <input checked="" type="checkbox"/> 0 1<br>Other <input type="checkbox"/>   |
| 14. Drilling method used: Rotary <input type="checkbox"/> 5 0<br>Hollow Stem Auger <input checked="" type="checkbox"/> 4 1<br>Other <input type="checkbox"/>   | 4. Material between well casing and protective pipe:<br>None Bentonite <input type="checkbox"/> 3 0<br>Other <input type="checkbox"/>   |
| 15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1<br>Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9   | 5. Annular space seal:<br>a. Granular Bentonite <input type="checkbox"/> 3 3<br>b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 3 5<br>c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 3 1<br>d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 5 0<br>e. <b>5.52</b> ft <sup>3</sup> volume added for any of the above |
| 16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Describe _____   | f. How installed: Tremmie <input type="checkbox"/> 0 4<br>Tremmie pumped <input type="checkbox"/> 0 2<br>a. Gravity <input checked="" type="checkbox"/> 0 8<br>Bentonite granules <input type="checkbox"/> 3 3  |
| 17. Source of water (attach analysis): _____   | b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 3 2<br>c. _____ Bentonite chips Other <input type="checkbox"/>  |
| E. Bentonite seal, top _____ ft. MSL or <b>1 0</b> ft.   | 7. Fine sand material: Manufacturer, product name & mesh size<br>American Materials #40-60  |
| F. Fine sand, top _____ ft. MSL or <b>2 1 0</b> ft.  | a. _____<br>b. Volume added: <b>.45</b> Ft <sup>3</sup>   |
| G. Filter pack, top _____ ft. MSL or <b>2 3 0</b> ft.  | 8. Filter pack material: Manufacturer, product name & mesh size<br>American Materials #35-45  |
| H. Screen joint, top _____ ft. MSL or <b>2 5 5</b> ft.   | a. _____<br>b. Volume added: <b>2.4</b> Ft <sup>3</sup>   |
| I. Well bottom _____ ft. MSL or <b>3 5 5</b> ft.   | 9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3<br>Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4<br><b>Johnson Screen</b> Other <input type="checkbox"/>   |
| J. Filter pack, bottom _____ ft. MSL or <b>3 6 0</b> ft.   | 10. Screen material: <b>Schedule 40 pvc</b>   |
| K. Borehole, bottom _____ ft. MSL or <b>3 6 0</b> ft.  | a. Screen type: Factory cut <input checked="" type="checkbox"/> 1 1<br>Continuous slot <input type="checkbox"/> 0 1   |
| L. Borehole, diameter <b>8.00</b> in.  | b. Manufacturer <b>Johnson Screen</b> Other <input type="checkbox"/>  |
| M. O.D. well casing <b>2.38</b> in.  | c. Slot size: <b>0.06</b> in.   |
| N. I.D. well casing <b>2.00</b> in.  | d. Slotted length: <b>1 0 0</b> ft.   |
|  | 11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4<br>Other <input type="checkbox"/>   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
Signature: Michael P. Mc Ardle Firm: **M&K Environmental & Soils Drilling, LLC**

Please complete both Forms 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, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 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 for more information, including where the completed forms should be



|  |   |   |
|--|---|---|
| Facility/Project Name<br><b>ZECO LLC</b>                 | Local Grid Location of Well<br>ft. <input type="checkbox"/> N. <input type="checkbox"/> E.<br>ft. <input type="checkbox"/> S. <input type="checkbox"/> W.   | Well Name<br><b>Mw 2</b>  |
| Facility License, Permit or Monitoring No.               | Grid Origin Location (Check if estimated: <input type="checkbox"/> )<br>Lat. _____ Long. _____  | Wis. Unique Well No. <b>VU 285</b> DNR Well ID No. _____            |
| Facility ID  | St. Plane _____ ft. N. _____ ft. E. S/C/N   | Date Well Installed <b>2 / 1 6 / 2 0 1 1</b><br>m m d d y y v v     |
| Type of Well<br>Well Code <b>11 / MW</b>                 | Section Location of Waste/Source<br>1/4 of _____ 1/4 of Sec. _____ T. _____ N, R <input type="checkbox"/> E <input type="checkbox"/> W  | Well Installed By: (Person's Name and Firm)<br><b>Mike Mc Ardle</b> |
| Distance Well Is From Waste/Source<br>Boundary _____ ft. | Location of Well Relative to Waste/Source<br>u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient<br>d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known | <b>M&amp;K Environmental &amp; Soils<br/>Drilling, LLC</b>          |

|  |  |
|--|--|
| A. Protective pipe, top elevation _____ ft. MSL  | 1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   |
| B. Well casing, top elevation _____ ft. MSL  | 2. Protective cover pipe:<br>a. Inside diameter: <b>1 0 0</b> in.<br>b. Length: <b>1 0</b> ft.<br>c. Material: Steel <input checked="" type="checkbox"/> 04<br>Other <input type="checkbox"/>  |
| C. Land surface elevation _____ ft. MSL  | d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If yes, describe: _____   |
| D. Surface seal, bottom _____ ft. MSL or <b>0 0 0</b> ft.  | 3. Surface seal: Bentonite <input type="checkbox"/> 30<br>Concrete <input checked="" type="checkbox"/> 01<br>Other <input type="checkbox"/>  |
| 12. USCS classification of soil near screen:<br>GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/><br>SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/><br>Bedrock <input type="checkbox"/> | 4. Material between well casing and protective pipe:<br>None<br>Bentonite <input type="checkbox"/> 30<br>Other <input type="checkbox"/>  |
| 13. Sieve analysis performed? <input type="checkbox"/> Yes <input type="checkbox"/> No   | 5. Annular space seal:<br>a. Granular Bentonite <input type="checkbox"/> 33<br>b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35<br>c. _____ Lbs/gal mud weight, .... Bentonite slurry <input type="checkbox"/> 31<br>d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50<br>e. <b>4.83</b> Ft <sup>3</sup> volume added for any of the above                                      |
| 14. Drilling method used: Rotary <input type="checkbox"/> 50<br>Hollow Stem Auger <input checked="" type="checkbox"/> 41<br>Other <input type="checkbox"/>   | f. How installed:<br>Tremmie <input type="checkbox"/> 04<br>Tremmie pumped <input type="checkbox"/> 02<br>Gravity <input checked="" type="checkbox"/> 08<br>a. Bentonite granules <input type="checkbox"/> 33<br>b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32<br>c. Bentonite chips _____ Other <input type="checkbox"/> |
| 15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01<br>Drilling Mud <input checked="" type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99  | 7. Fine sand material: Manufacturer, product name & mesh size<br>a. <b>American Materials #40-60</b><br>b. Volume added: <b>.45</b> Ft <sup>3</sup>  |
| 16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Describe _____   | 8. Filter pack material: Manufacturer, product name & mesh size<br>a. <b>American Materials #35-45</b><br>b. Volume added: <b>.96</b> Ft <sup>3</sup>  |
| 17. Source of water (attach analysis): _____   | 9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23<br>Flush threaded PVC schedule 80 <input type="checkbox"/> 24<br><b>Johnson Screen</b> _____ Other <input type="checkbox"/>  |
| E. Bentonite seal, top _____ ft. MSL or <b>1 0</b> ft.   | 10. Screen material: <b>Schedule 40 pvc</b><br>a. Screen type: Factory cut <input checked="" type="checkbox"/> 11<br>Continuous slot <input type="checkbox"/> 01   |
| F. Fine sand, top _____ ft. MSL or <b>17.5</b> ft.   | b. Manufacturer <b>Johnson Screen</b> Other <input type="checkbox"/>   |
| G. Filter pack, top _____ ft. MSL or <b>1 9 5</b> ft.  | c. Slot size: <b>0.0 6</b> in.<br>d. Slotted length: <b>1 0 0</b> ft.  |
| H. Screen joint, top _____ ft. MSL or <b>2 1 5</b> ft.   | 11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14<br>Other <input type="checkbox"/>   |
| I. Well bottom _____ ft. MSL or <b>3 1 5</b> ft.   |  |
| J. Filter pack, bottom _____ ft. MSL or <b>3 2 0</b> ft.   |  |
| K. Borehole, bottom _____ ft. MSL or <b>3 2 0</b> ft.  |  |
| L. Borehole, diameter <b>8. 00</b> in.   |  |
| M. O.D. well casing <b>2. 38</b> in.   |  |
| N. I.D. well casing <b>2. 00</b> in.   |  |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Mike Mc Ardle Firm **M&K Environmental & Soils Drilling, LLC**

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Route to:

Watershed/Wastewater   
Remediation/Redevelopment

Waste Management   
Other

|   |   |   |
|---|---|---|
| Facility/Project Name<br><b>ZECO LLC</b>        | Local Grid Location of Well <input type="checkbox"/> N. <input type="checkbox"/> E.<br>ft. <input type="checkbox"/> S. <input type="checkbox"/> W.  | Well Name<br><b>Mw 3</b>  |
| Facility License, Permit or Monitoring No.      | Grid Origin Location (Check if estimated: <input type="checkbox"/> )<br>Lat. _____ Long. _____  | Wis. Unique Well No. <b>VU 286</b><br>DNR Well ID No. _____         |
| Facility ID                                     | St. Plane _____ ft. N. _____ ft. E. S/C/N   | Date Well Installed <b>2 1 7 2 0 1 1</b><br>m m d d y y v v         |
| Type of Well<br>Well Code <b>11 / MW</b>        | Section Location of Waste/Source<br>1/4 of _____ 1/4 of Sec. _____ T. _____ N, R _____ <input type="checkbox"/> E <input type="checkbox"/> W  | Well Installed By: (Person's Name and Firm)<br><b>Mike Mc Ardle</b> |
| Distance Well Is From Waste/Source Boundary ft. | Location of Well Relative to Waste/Source<br>u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient<br>d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known | <b>M&amp;K Environmental &amp; Soils Drilling, LLC</b>              |

|  |   |
|--|---|
| A. Protective pipe, top elevation _____ ft. MSL  | 1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |
| B. Well casing, top elevation _____ ft. MSL  | 2. Protective cover pipe:<br>a. Inside diameter: <b>1 0 0</b> in.<br>b. Length: <b>1 0</b> ft.<br>c. Material: Steel <input checked="" type="checkbox"/> 0 4<br>Other <input type="checkbox"/>  |
| C. Land surface elevation _____ ft. MSL  | d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If yes, describe: _____  |
| D. Surface seal, bottom _____ ft. MSL or <b>0 0 0</b> ft.  | 3. Surface seal: Bentonite <input type="checkbox"/> 3 0<br>Concrete <input checked="" type="checkbox"/> 0 1<br>Other <input type="checkbox"/>   |
| 12. USCS classification of soil near screen:<br>GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/><br>SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/><br>Bedrock <input type="checkbox"/> | 4. Material between well casing and protective pipe:<br>None <input checked="" type="checkbox"/><br>Bentonite <input type="checkbox"/> 3 0<br>Other <input type="checkbox"/>  |
| 13. Sieve analysis performed? <input type="checkbox"/> Yes <input type="checkbox"/> No   | 5. Annular space seal:<br>a. Granular Bentonite <input type="checkbox"/> 3 3<br>b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 3 5<br>c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 3 1<br>d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 5 0<br>e. <b>6.21</b> Ft <sup>3</sup> volume added for any of the above<br>f. How installed: Tremmie <input type="checkbox"/> 0 4<br>Tremmie pumped <input type="checkbox"/> 0 2<br>Gravity <input checked="" type="checkbox"/> 0 8 |
| 14. Drilling method used: Rotary <input type="checkbox"/> 5 0<br>Hollow Stem Auger <input checked="" type="checkbox"/> 4 1<br>Other <input type="checkbox"/>   | 6. Bentonite seal:<br>b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 3 2<br>c. _____ Bentonite chips Other <input type="checkbox"/>  |
| 15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1<br>Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9   | 7. Fine sand material: Manufacturer, product name & mesh size<br>American Materials #40-60<br>a. _____<br>b. Volume added: <b>.45</b> Ft <sup>3</sup>   |
| 16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Describe _____   | 8. Filter pack material: Manufacturer, product name & mesh size<br>American Materials #35-45<br>a. _____<br>b. Volume added: <b>1.44</b> Ft <sup>3</sup>  |
| 17. Source of water (attach analysis): _____   | 9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3<br>Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4<br>Johnson Screen _____ Other <input type="checkbox"/>  |
| E. Bentonite seal, top _____ ft. MSL or <b>1 0</b> ft.   | 10. Screen material: Schedule 40 pvc<br>a. Screen type: Factory cut <input checked="" type="checkbox"/> 1 1<br>Continuous slot <input type="checkbox"/> 0 1   |
| F. Fine sand, top _____ ft. MSL or <b>2 3 0</b> ft.  | b. Manufacturer <b>Johnson Screen</b> Other <input type="checkbox"/>  |
| G. Filter pack, top _____ ft. MSL or <b>2 5 0</b> ft.  | c. Slot size: <b>0.0</b> in.<br>d. Slotted length: <b>1 0 0</b> ft.   |
| H. Screen joint, top _____ ft. MSL or <b>2 7 0</b> ft.   | 11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4<br>Other <input type="checkbox"/>   |
| I. Well bottom _____ ft. MSL or <b>3 7 0</b> ft.   |   |
| J. Filter pack, bottom _____ ft. MSL or <b>3 7 5</b> ft.   |   |
| K. Borehole, bottom _____ ft. MSL or <b>3 7 5</b> ft.  |   |
| L. Borehole, diameter <b>8.00</b> in.  |   |
| M. O.D. well casing <b>2.38</b> in.  |   |
| N. I.D. well casing <b>2.00</b> in.  |   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
Signature: Michael P. Mc Ardle Firm: **M&K Environmental & Soils Drilling, LLC**

Please complete both Forms 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, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 291, 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 for more information, including where the completed forms should be



Route to:

Watershed/Wastewater  Remediation/Redevelopment

Waste Management  Other

|   |   |   |
|---|---|---|
| Facility/Project Name<br><b>ZECO LLC</b>              | Local Grid Location of Well<br>N. _____ ft. E. _____ ft.<br>S. _____ ft. W. _____ ft.   | Well Name<br><b>Mw 4</b>  |
| Facility License, Permit or Monitoring No.            | Grid Origin Location (Check if estimated: <input type="checkbox"/> )<br>Lat. _____ Long. _____  | Wis. Unique Well No. <b>VU 287</b> DNR Well ID No. _____            |
| Facility ID   | St. Plane _____ ft. N. _____ ft. E. S/C/N _____   | Date Well Installed <b>2 / 1 7 / 2 0 1 1</b><br>m m d d y y v v     |
| Type of Well<br>Well Code <b>11 / MW</b>              | Section Location of Waste/Source<br>1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____   | Well Installed By: (Person's Name and Firm)<br><b>Mike Mc Ardle</b> |
| Distance Well Is From Waste/Source Boundary _____ ft. | Location of Well Relative to Waste/Source<br>u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient<br>d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known | <b>M&amp;K Environmental &amp; Soils Drilling, LLC</b>              |

|  |   |
|--|---|
| A. Protective pipe, top elevation _____ ft. MSE  | 1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |
| B. Well casing, top elevation _____ ft. MSL  | 2. Protective cover pipe:<br>a. Inside diameter: <b>1 0 0</b> in.<br>b. Length: <b>1 0</b> ft.<br>c. Material: Steel <input checked="" type="checkbox"/> 0 4<br>Other <input type="checkbox"/>  |
| C. Land surface elevation _____ ft. MSL  | d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If yes, describe: _____  |
| D. Surface seal, bottom _____ ft. MSL or <b>0 0 0</b> ft.  | 3. Surface seal: Bentonite <input type="checkbox"/> 3 0<br>Concrete <input checked="" type="checkbox"/> 0 1<br>Other <input type="checkbox"/>   |
| 12. USCS classification of soil near screen:<br>GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/><br>SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/><br>Bedrock <input type="checkbox"/> | 4. Material between well casing and protective pipe:<br>None Bentonite <input type="checkbox"/> 3 0<br>Other <input type="checkbox"/>   |
| 13. Sieve analysis performed? <input type="checkbox"/> Yes <input type="checkbox"/> No   | 5. Annular space seal:<br>a. Granular Bentonite <input type="checkbox"/> 3 3<br>b. _____ lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 3 5<br>c. _____ lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 3 1<br>d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 5 0<br>e. <b>7.59</b> Ft <sup>3</sup> volume added for any of the above<br>f. How installed: Tremmie <input type="checkbox"/> 0 4<br>Tremmie pumped <input type="checkbox"/> 0 2<br>Gravity <input checked="" type="checkbox"/> 0 8<br>a. Bentonite granules <input type="checkbox"/> 3 3<br>b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 3 2<br>c. _____ Bentonite chips Other <input type="checkbox"/> |
| 14. Drilling method used: Rotary <input type="checkbox"/> 5 0<br>Hollow Stem Auger <input checked="" type="checkbox"/> 4 1<br>Other <input type="checkbox"/>   | 7. Fine sand material: Manufacturer, product name & mesh size<br>American Materials #40-60<br>a. _____<br>b. Volume added: <b>.45</b> Ft <sup>3</sup>   |
| 15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1<br>Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9   | 8. Filter pack material: Manufacturer, product name & mesh size<br>American Materials #35-45<br>a. _____<br>b. Volume added: <b>1.92</b> Ft <sup>3</sup>  |
| 16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Describe _____   | 9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3<br>Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4<br>Johnson Screen Other <input type="checkbox"/>  |
| 17. Source of water (attach analysis): _____   | 10. Screen material: Schedule 40 pvc<br>a. Screen type: Factory cut <input checked="" type="checkbox"/> 1 1<br>Continuous slot <input type="checkbox"/> 0 1<br>b. Manufacturer Johnson Screen Other <input type="checkbox"/><br>c. Slot size: <b>0.0 6</b> in.<br>d. Slotted length: <b>1 0 0</b> ft.   |
| E. Bentonite seal, top _____ ft. MSL or <b>1 0</b> ft.   | 11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4<br>Other <input type="checkbox"/>   |
| F. Fine sand, top _____ ft. MSL or <b>2 6 5</b> ft.  |   |
| G. Filter pack, top _____ ft. MSL or <b>2 8 5</b> ft.  |   |
| H. Screen joint, top _____ ft. MSL or <b>3 0 5</b> ft.   |   |
| I. Well bottom _____ ft. MSL or <b>4 0 5</b> ft.   |   |
| J. Filter pack, bottom _____ ft. MSL or <b>4 1 0</b> ft.   |   |
| K. Borehole, bottom _____ ft. MSL or <b>4 1 0</b> ft.  |   |
| L. Borehole, diameter <b>8. 00</b> in.   |   |
| M. O.D. well casing <b>2. 38</b> in.   |   |
| N. I.D. well casing <b>2. 00</b> in.   |   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
Signature: *Michael P. McCurdy* Firm: **M&K Environmental & Soils Drilling, LLC**

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