

CONSTRUCTION COMPLETION REPORT

FORMER TAYLOR INSTRUMENTS SITE
MONROE COUNTY, NEW YORK
NYSDEC SITE NUMBER: V00144-8

PREPARED FOR:

ABB, INC.
5 WATERSIDE CROSSING
WINDSOR, CT 06095

PREPARED BY:

MACTEC ENGINEERING AND CONSULTING, INC.
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MACTEC PROJECT 3031052006-11

December 2010



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Joe Martens
Acting Commissioner

February 16, 2011

Mr. Ricky A. Ryan, P.E.
Senior Principal Engineer/Project Manager
MACTEC Engineering and Consulting, Inc
9725 Cogdill Road
Knoxville, TN 37932

Dear Mr. Ryan:

**Subject: Former Taylor Instruments Site, Site #V00144-8
Construction Completion Report; December 2010
City of Rochester, Monroe County**

The New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) have completed their review of the above-referenced Construction Completion Report dated December 2010 (the CCR) and prepared by MACTEC Engineering and Consulting, Inc (MACTEC) for the former Taylor Instruments site. The CCR documents Interim Remedial Measures completed to install a sub-slab depressurization system at an off-site residence and on-site bioremediation activities. Based upon the information and representations made in the CCR, the CCR is hereby approved.

Please send me one additional hard copy of the CCR within 30-days of receipt of this letter and please contact me at 585-226-5357 if you have any questions about this project.

Sincerely,

Frank Sowers, P.E.
Environmental Engineer 2

ec:
B. Putzig
K. Comerford
J. Kosmala
J. McCreary
L. Ford
J. Conant

CERTIFICATIONS

I, Ricky A. Ryan, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the *Revised Work Plan for Accelerated Bioremediation and Permanent Decommissioning of the Remedial Treatment System* and the *Vapor Mitigation Measure Work Plan* were implemented and that all construction activities were completed in substantial conformance with the aforementioned Department-approved Plans.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Ricky A. Ryan, of MACTEC Engineering and Consulting, Inc., am certifying as Owner's Designated Site Representative.



NYS Professional Engineer #

Date

12/27/10

Signature

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Former Taylor Instruments Site
Monroe County, New York

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LIST OF ACRONYMS

3DMe [®]	3-D Microemulsion [®]
ABB	ABB, Inc.
AR-CNTS	Assignable Release and Covenant Not to Sue
ASTM	American Society for Testing and Materials
bls	below land surface
CAMP	Community Air Monitoring Plan
CE	Combustion Engineering
CEA	competing electron acceptor
CCR	Construction Completion Report
COC	contaminant of concern
DCE	dichloroethene
Department	New York State Department of Environmental Conservation
DPVE	dual phase vapor extraction
EC	engineering control
FER	Final Engineering Report (MACTEC, 2003)
HASP	Health and Safety Plan
HRC [®]	Hydrogen Release Compound [®]
IC	institutional control
MACTEC	MACTEC Engineering and Consulting, Inc.
MNA	monitored natural attenuation
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O&M	Operations and Maintenance
PID	photoionization detector
ppm	parts per million
PVC	polyvinyl chloride
Revised Work Plan	<i>Revised Work Plan for Accelerated Bioremediation and Permanent Decommissioning of the Remedial Treatment System</i> (MACTEC, 2010)
RWP	<i>Remedial Work Plan</i> (Harding Lawson Associates, 2000b)
SMP	<i>Soil Management Plan</i> (MACTEC, 2005)
Site	property located at 95 Ames Street in Monroe County, Rochester, New York
SSD	sub-slab depressurization
SSIA	sub-slab vapor and indoor air
SVI	soil vapor investigation

LIST OF ACRONYMS (Continued)

TCE	trichloroethene
VCA	Voluntary Cleanup Agreement
VOC	volatile organic compound
wci	water column inches

1.0 BACKGROUND AND SITE DESCRIPTION

Combustion Engineering [CE, which was subsequently acquired by ABB, Inc. (ABB)] entered into a Voluntary Cleanup Agreement (VCA) with the New York State Department of Environmental Conservation (NYSDEC) in November 1997, to investigate and remediate a 14-acre property located at 95 Ames Street in Monroe County, Rochester, New York (the Site). The property has been remediated for commercial/industrial use.

The Site is located in the County of Monroe, New York and is identified as Section Block Lot Number 120.410.0001/001.002. The site is situated on an approximately 14-acre area bounded by railroad lines and an industrial property to the north; West Avenue and residences to the south; Ames Street, residences, and an industrial facility to the east; and Hague Street and Rochester Gas and Electric to the west (see Figure 1, Appendix A). The boundaries of the site are fully described in the survey description located in Appendix B.

The Taylor Brothers Company (later renamed the Taylor Instruments Company) developed and operated the majority of the Site between 1904 and 1968. During this time, the company produced mercury-filled glass instruments. In 1968, the Taylor Instruments Company merged with the Ritter-Pfaudler Company to form Sybron Corporation (Sybron). Taylor Instruments operated as a division of Sybron until 1983 when CE purchased it. CE continued to operate the Taylor Instruments facility until 1990 when ABB acquired CE. ABB closed the facility between 1991 and 1993. All but one building at the site were demolished in 1995 and 1996. The remaining building was demolished in January 2001. In 1997 a VCA between CE and NYSDEC (VCA Index #B8-0508-97-02) was signed. Remedial progress under the VCA is discussed in Sections 2.0 and 3.0.

2.0 SUMMARY OF PAST REMEDIAL PROGRESS

Comprehensive remedial actions implemented at the Site were previously detailed in the *Final Engineering Report, On-Site Storm Sewers* (Harding Lawson Associates 2000a) [2000 FER], and the *Final Engineering Report* (MACTEC Engineering and Consulting, Inc. [MACTEC] 2003) [2003 FER]. The 2003 FER also contained the Soil Management Plan (MACTEC, 2005) which contains details on the Site engineering and institutional controls that have been recorded at the Site. These reports were all approved by NYSDEC.

As detailed in the 2003 FER, a groundwater remedy was implemented starting in January 2001. This continued in operation to May 2006. This included an on-site remedial treatment system which consisted of a dual phase vapor extraction (DPVE) and bedrock groundwater extraction and treatment system. This remedy and the associated remedial action objectives were described in detail in the *Remedial Work Plan* (Harding Lawson Associates, 2000b). The DPVE system extracted both vapor and overburden groundwater from the North and South Trichloroethene (TCE) Source Areas. The extracted vapor and groundwater were conveyed through subsurface piping to a treatment building. Two bedrock extraction wells also extracted deeper groundwater from beneath the Site, which was conveyed to the treatment building. Within the treatment building, all collected groundwater and vapor condensate was treated and then discharged to the Monroe County sewer system.

Upon reaching the conclusion that the remedial treatment system had reached asymptotic contaminant removal rates, and with NYSDEC's approval, in July 2006 MACTEC performed a pilot-scale application of Hydrogen Release Compound (HRC) Advanced[®], a Regenesis product, near monitoring wells OB-08 in the North TCE Source Area and OB-04 in the South TCE Source Area of the Site to evaluate the effectiveness of HRC Advanced[®] in accelerating the biodegradation of the site contaminants of concern (COCs) in lieu of further operation of the DPVE/bedrock groundwater extraction and remediation system. The results for the HRC Advanced[®] pilot-scale application were detailed in the *Accelerated Bioremediation Pilot Test Final Report* (MACTEC, 2008a).

Subsequent to the 2003 FER, the NYSDEC issued an *Assignable Release and Covenant Not to Sue* (AR-CNTS) (NYSDEC, 2005), subject to implementation of an Operations and Maintenance

(O&M) Plan that acknowledged the satisfactory implementation of all Site remedial actions. The AR-CNTS indicated that:

“...no further investigation or response will be required at the Site respecting the Existing Contamination to render the Site safe to be used for the Contemplated Uses.” ...“The Department, therefore, hereby releases, ...Volunteer for the further investigation and remediation of the Site, based on the release or threatened release of any Existing Contamination, provided that ...Volunteer pursue to completion the Department-approved O&M Plan...”

3.0 DESCRIPTION OF RECENT REMEDIAL ACTIONS PERFORMED

This CCR focuses on the implementation of the *Revised Work Plan for Accelerated Bioremediation and Permanent Decommissioning of the Remedial Treatment System* (MACTEC 2010a). This work included decommissioning of the remedial system and some selected monitoring wells and an expanded accelerated bioremediation application on-Site, as well as the implementation of the *Vapor Mitigation Measure Work Plan* (MACTEC, 2010b), which included installation of a sub-slab depressurization system at an off-Site residential duplex.

3.1 EXPANDED ACCELERATED BIOREMEDIATION AND REMEDIAL TREATMENT SYSTEM DECOMMISSIONING

3.1.1 Background

Pursuant to a letter from NYSDEC dated May 2, 2008 (NYSDEC, 2008) and subsequent discussions during a meeting on July 29, 2008 between ABB, MACTEC, ABB's legal counsel, and NYSDEC (MACTEC, 2008b), MACTEC prepared a *Revised Work Plan for Accelerated Bioremediation and Permanent Decommissioning of the Remedial Treatment System for the Former Taylor Instruments Site* (hereinafter referred to as the Revised Work Plan) (MACTEC, 2010a). NYSDEC approved MACTEC's Revised Work Plan on June 29, 2010 (NYSDEC, 2010a).

At that July 29, 2008 meeting, it was agreed that additional remediation, in the form of an expansion of the accelerated bioremediation project which had been proven to be effective at the site, would be implemented as the final step in remediating the site.

ABB's proposed activities in the Revised Work Plan included:

- decommissioning the existing remedial treatment system and selected monitoring wells,
- an expanded application of accelerated bioremediation using HRC Advanced[®] (now known as 3-D Microemulsion [3DMe[®]]) in designated areas, and
- post-closure monitoring and report preparation schedules.

3.1.2 Decommissioning of the Remedial Treatment System and Selected Monitoring Wells

Subsequent to NYSDEC's approval of MACTEC's Revised Work Plan (NYSDEC, 2010a), in August 2010 MACTEC proceeded with decommissioning of the remedial treatment system and

selected monitoring wells. The decommissioning was the initial task in part because grouting the wells would prevent surfacing of the 3DMe[®] injection through open well casings. MACTEC mobilized to the Site on August 8, 2010, to perform the decommissioning. Decommissioning included removing all above-ground components of the remedial treatment system, plugging the ends of all underground system piping with silicon seals, and abandoning all on-Site wells (extraction, monitoring, and vent wells) except for the 14 monitoring wells (BR-01, BR-02, BR-03, BR-04, BR-10, BR-15, OB-04, OB-06, OB-08, TW-04, TW-09, TW-17, TW-20, and W-5) that are to be included in the post-closure monitoring program. All wells were abandoned by tremie-grouting in-place in accordance with procedures outlined in the NYSDEC *Groundwater Monitoring Well Decommissioning Procedures* (NYSDEC, 2009). Copies of Well Decommissioning Records are provided in Appendix C. The extraction well and vent well vaults were filled with gravel after the wells were abandoned, and all former well and vault locations were patched with asphalt where appropriate. Decommissioning activities were completed on August 25, 2010, and MACTEC temporarily demobilized from the Site.

All process equipment associated with the remedial treatment system that had been in contact with groundwater was cleaned by washing, then screened with a photoionization detector (PID) to verify residual contamination was not present. Details on the handling and disposal of water and sediment generated during the decommissioning and equipment cleaning activities are provided in Section 3.3.

3.1.3 Expanded Accelerated Bioremediation

Prior to the expanded 3DMe[®] injection, MACTEC placed an underground utility locate request to Dig Safely New York. The locate request did not identify underground utilities in the proposed injection areas. However, MACTEC was aware of underground storm sewer lines and recently-abandoned underground DPVE system piping; therefore, MACTEC marked the approximate locations of these underground lines on the surface to avoid contact during the injection activities.

MACTEC re-mobilized to the Site on September 12, 2010 to perform the injection. MACTEC performed the expanded accelerated bioremediation application using 3DMe[®] in the vicinities of the source area overburden monitoring wells in which concentrations of COCs exceeded NYSDEC Class GA Standards: Area 1 (OB-04 and OB-06) in the South TCE Source Area, and Area 2 (OB-08) in the North TCE Source Area. The treatment area in the North TCE Source Area was expanded to include the nearby perimeter wells in Area 3 (W-5 and TW-17) to also accelerate the biodegradation of the

COCs reported in these wells. At the request of the NYSDEC, as a precautionary measure, a row of injection points was also placed along the eastern portion of the Site (Area 4) to further reduce the potential for contaminants in the groundwater to migrate off-Site towards nearby residences. The injection layout is illustrated on Figure 2 (Appendix A). By accelerating the biodegradation of COCs in the overburden groundwater, it is expected that the ongoing overall decreases in COC concentrations in all downgradient locations, as well as in the bedrock groundwater, will continue at a more rapid rate. Details of the expanded 3DMe[®] application are provided in the subsequent paragraphs.

Prior to injection of the 3DMe[®], an injection point (boring) was drilled using a direct-push rig, and the 3DMe[®] was diluted with water at a 10:1 water/3DMe[®] ratio to increase distribution in the aquifer. The water volume was measured with an in-line flow meter and by placing the water in a graduated holding tank with the tank volume (in gallons) marked on the side of the tank. The 3DMe[®] was provided by the supplier in totes of specified volume (approximately 240 gallons of 3DMe[®] in each tote). A total of 125 injection points were planned, though a total of 143 points were required during field implementation due to geologic conditions that inhibited injection into certain points.

The injection design layout for Areas 1 through 3 was a saw-tooth grid pattern of approximately 17 feet between points in each row and 17 feet between rows in each area, as shown on Figure 2 (Appendix A). The injection design layout for Area 4 was a linear row with a 12 feet spacing between points to increase the overlapping effect of the injection. These injection design layouts were based upon the results of the prior pilot project.

During field implementation, certain injection points were moved from their proposed locations due to Site constraints such as underground piping and geologic conditions that inhibited injection into the formation. When geologic conditions inhibited injection into a certain point, the point was either offset or the 3DMe[®] planned for that point was injected into another planned point to achieve the design target for total injected volume in a specific area.

Each of the borings was advanced to refusal, which was generally 24 feet below land surface (bls) in the North TCE Source Area (with some points refusing between 15.5 feet and 24 feet bls); 19 feet bls in the South TCE Source Area (with some points refusing between 14.5 feet and 19 feet bls); and 13 to 22 feet bls near the eastern portion of the Site. After refusal was reached, a specific amount of diluted 3DMe[®] was injected under pressure into the subsurface groundwater zone. The injection started at the deepest intervals and continued to the top of the shallow water table by raising the rods

in approximate 2-foot intervals between injection intervals. For a limited number of points, the injection started at the top of the water table and proceeded downward to refusal. This was done to evaluate whether there were any advantages to this injection approach. The volume of injected material in each boring was monitored with an in-line flow meter.

The 3DMe[®] application volumes are presented in the table below and were designed based on dissolved-phase volatile organic compound (VOC) and other geochemical parameter concentrations taken from historical data. Similar to the pilot test, the 3DMe[®] was generally injected over a vertical thickness of 15 feet when geologic conditions allowed.

In selected areas, HRC Primer[®] was added to the volume of injected fluids to help overcome higher levels of sulfate, a competing electron acceptor. The table below presents the volume of 3DMe[®] emulsion and HRC Primer[®] that was injected per treatment area. After injection was complete, each boring was filled with grout to the surface.

Area	Approximate Injection Depth Interval (feet bls) ¹	Number of Injection Points	Approximate 3DMe [®] Volume		HRC Primer [®]	
			per Point (gallons) ¹	per Area (gallons) ¹	per Point (gallons)	per Area (gallons)
1A	4 to 19	42	218	9,156	NA	NA
1B	4 to 19	9	118 ²	1,062	NA	NA
2	9 to 24	35	236	8,260	6.5 ³	72
3	9 to 24	30	217	6,510	NA	NA
4	7 to 22	27	130	3,519	NA	NA
Total		143		28,507		72

¹ Injection depth intervals and volumes varied for certain points due to shallow refusal and/or formation intervals that inhibited injection.

Prepared by/Date: KJD 10/26/10

² 3DMe[®] volume per point in Area 1B, the area surrounding monitoring well OB-06, was less than Area 1A due to the lower contaminant concentrations present in this area.

Checked by/Date: CRW 11/23/10

³ HRC[®] Primer added in 11 points near former well OB-05.

Notes: bls = below land surface
HRC[®] = hydrogen release compound
NA = not applicable
3DMe[®] = 3-D Microemulsion[®]

3.1.4 Community Air Monitoring Plan (CAMP)

The NYSDEC generic CAMP was provided in the 2010 Revised Work Plan (MACTEC, 2010a). The CAMP was intended to provide a measure of protection for the downwind community from potential airborne contaminant releases as a direct result of decommissioning and injection activities.

As part of CAMP monitoring, downwind airborne VOC concentrations were measured continuously with a PID during the recent monitoring well abandonment and 3DMe[®] injection. Results were compared to the CAMP action level of 5 ppm. During CAMP monitoring, all PID readings were less than 5 ppm; therefore, no work activities were affected and corrective action was not required.

3.2 VAPOR MITIGATION MEASURE

3.2.1 Background

During correspondence and communications with NYSDEC regarding MACTEC's Revised Work Plan, ABB was informed that the Department required an additional soil vapor investigation (SVI) as a precondition to approving the Revised Work Plan.

MACTEC performed a SVI on September 8 and 9, 2009. The work was performed in accordance with MACTEC's *Work Plan for Sub-Slab Vapor and Indoor Air Investigation* (MACTEC, 2009a). The results of the SVI were presented in MACTEC's *Report of Soil Vapor Investigation* (MACTEC, 2009b). The primary goal of the SVI was to determine whether the COCs were present in soil vapor in the right-of-way along Ames Street adjacent to the Site. The Site COCs are tetrachloroethene, TCE, cis-1,2-dichloroethene (DCE), and vinyl chloride, with TCE and DCE being the most prevalent COCs.

TCE was detected in two samples collected near the sewer line beneath Ames Street. No direct evidence was obtained that the source of these detections was the Site or that the selected VOCs were present on adjacent residential properties; however, in cooperation with NYSDEC and the New York State Department of Health (NYSDOH), ABB agreed to investigate sub-slab vapor and indoor air (SSIA) at four properties near the Ames Street soil vapor sample locations (i.e., residences at 64, 70, and 80 Ames Street and 216 Danforth Street). The residence at 80 Ames

Street is a duplex with a second address of 215 Danforth Street; therefore, 215 Danforth Street was also included in the SSIA investigation. Two additional residences (15 Lynchford Park B and 195 Danforth Street) were later added to the SSIA investigation based on the analytical results from 80 Ames Street. The results of the SSIA investigation as well as proposed details of the SSD system were presented in MACTEC's *Vapor Mitigation Measure Work Plan* (MACTEC, 2010b). That Work Plan was approved by NYSDEC on August 17, 2010 (NYSDEC, 2010b).

One additional residence, 7 Lynchford Park B, was also proposed for the investigation based on the results from 80 Ames Street; however, ABB and MACTEC were initially unable to secure permission from the owner. ABB received a signed access agreement from the owner of 7 Lynchford Park B in late May 2010, after completion of the SSIA investigation and outside of the heating season. After consultation with the NYSDOH, it was decided to defer sampling of 7 Lynchford Park B until after the start of the fall 2010 heating season (MACTEC, 2010c). Based on the results of the November 2010 sampling at 7 Lynchford Park B, no further action was required at this residence. The results of the 7 Lynchford Park B sampling will be presented in MACTEC's *Addendum to Vapor Mitigation Measure Work Plan* (MACTEC, 2010d pending). The locations of the aforementioned residences in relation to the Site are shown on Figure 3 (Appendix A).

Based on the review of results from all SSIA investigations, only the residence at 80 Ames Street required further monitoring or mitigation. To ensure that TCE in sub-slab vapors does not cause future exceedances of indoor air guidance values, ABB elected to install a sub-slab depressurization (SSD) system to mitigate vapors beneath the basement at 80 Ames Street as a precautionary measure. Additionally, since 80 Ames Street/215 Danforth Street is a duplex that share the same basement slab, the SSD system was designed to encompass the 215 Danforth Street basement.

3.2.2 SSD System Installation

MACTEC mobilized to the 80 Ames Street/215 Danforth Street duplex on September 14, 2010, to install a SSD system. Prior to mobilization, a signed access agreement was obtained from the duplex owner.

ABB installed a SSD system at the 80 Ames/215 Danforth duplex to address potential soil vapor intrusion at both residences. The system was constructed by installing extraction piping through the basement slab to achieve sub-slab depressurization. The suction points for the system were

installed in the 215 Danforth basement, as detailed below, and were demonstrated via communications testing to provide sufficient vacuum for both residences. The suction points were located at 215 Danforth to minimize disruption to tenant activities, for ease of installation based on the duplex construction, and to allow placement of the discharge pipe at an obscure location on the back of the duplex.

Based on the results of communications testing, two sub-slab suction points were installed as part of the SSD system design. The objective of the SSD system is to reduce the potential for migration of soil vapor containing COCs to indoor air by reducing vapor pressure in the soil relative to the pressure in the residences. Activities associated with the SSD system included:

- Installing the system as shown on Figures 4 and 5 (Appendix A).
- Completing post-system installation testing and start up according to Subsection 4.3.1 of the NYSDOH *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH, 2006).

3.2.3 Sub-Slab Ventilation System Components

The SSD system was constructed as specified under Subsections 4.2.2.a (Sealing) and 4.2.2.c (Depressurization Systems) of the NYSDOH Guidance (NYSDOH, 2006) and as further specified under applicable sections of Standard Practice for Installing Radon Mitigation Systems in Existing Low-Rise Residential Buildings (American Society for Testing and Materials [ASTM], E2121-09). The point of discharge of the system, located above the southeastern roof eave, is in compliance with Subsection 4.2.2.c.6 of the NYSDOH Guidance.

All materials and installation methods met the requirements of ASTM E2121-09 Section 7.3.2 and the NYSDOH Guidance (NYSDOH, 2006). The system piping was constructed of 4-inch schedule 40 polyvinyl chloride (PVC) to minimize noise. All sealants and adhesives were compatible with piping materials as specified by the piping manufacturer. The system piping was installed such as to allow condensate to drain back to the sub-slab.

The vent fan is a Radonaway model RP-145. The fan has a weatherproof design, is mounted on the outside of the structure, and was sized to provide the pressure difference and air flow characteristics necessary to achieve the vapor reduction goals. The vent fan is equipped with a

fan guard which drains condensate back to the sub-slab. The system includes a monitoring device consisting of a manometer pressure gauge indicating proper operation of the system.

3.2.4 Post-Mitigation Testing

After installation of the SSD system, the following testing and inspection of the system was performed in accordance with Subsections 4.3.1 of the NYSDOH Guidance:

- Identifying and mitigating any leaks in the piping or vents of the system and in the floors and walls of the basements;
- Communication testing to verify that adequate sub-slab depressurization is occurring (more details provided below);
- Backdraft testing of any natural draft combustion appliances (more details provided below); and
- Confirming that the system monitoring devices are operating properly.

Communication Testing

A micro-manometer was used to test sub-slab communication. The communication test consisted of operating the SSD system and simultaneously measuring vacuum pressure at two strategically located points within the 80 Ames Street basement with the micro-manometer to determine the vacuum radius of influence at post-mitigation test points. The locations of the test points are shown on Figure 4 (Appendix A). Results of the communication testing indicated that vacuum pressures measured at the two testing locations were 0.099 and 0.100 water column inches (wci), well above the ASTM (ASTM, E2121-09) minimum vacuum target of 0.025 wci, indicating sufficient vacuum is being created beneath the entire slab where the system was installed. After the completion of communication test, the test holes generated were grouted.

Backdraft Testing

Backdraft testing of natural draft combustion appliances was completed to determine whether the SSD system installation has resulted in any backdraft issues. Diagnostic smoke tests were performed to evaluate the existence of, or the potential for, backdrafting of natural draft

combustion appliances. The results of the backdraft testing did not indicate backdrafting of natural draft combustion appliances.

3.2.5 System Operation and Maintenance

Upon completion of system installation and post mitigation testing, the duplex owner was provided with written system O&M procedures in the form of a Site Management Plan (MACTEC, 2010e). Included in the Plan were details of the system components, guidelines for periodic system inspections, and guidelines for system repair. Copies of the Site Management Plan were also submitted to NYSDEC and NYSDOH.

3.2.6 Soil Vapor Point Abandonment

MACTEC's Vapor Mitigation Measure Work Plan also included abandoning the soil vapor points used in the September 2009 SVI. On September 15, 2010, MACTEC's subcontractor abandoned two SVI points (SV-1 and SV-2) on the Site near the southern boundary outside a chain link fence, adjacent to West Avenue. These points were abandoned by removing the sample tubing and man-hole boxes and filling the boring with grout.

MACTEC also abandoned three points (SV-3 through SV-5) located beneath Ames Street, between the Site and four residences that are immediately downgradient of the Site along Ames Street. These points were abandoned by removing the sample tubing and filling the boring with grout. The manhole space was then filled with cement to withstand traffic. Prior to abandoning the SVI points beneath Ames Street, traffic cones were set up to divert traffic away from the work area. The traffic cones were left in place for several hours, until the grout used in the abandonment of the Ames Street points had adequately cured.

The locations of the soil vapor points are shown on Figure 3 (Appendix A).

3.3 CONTAMINATED MATERIALS REMOVAL

3.3.1 Groundwater and Cleaning Water

Potentially contaminated groundwater that was displaced to the surface during the recent well abandonments, as well as, cleaning water from the recent system decommissioning activities were captured and temporarily stored in 55-gallon drums. Approximately 1,600 gallons of collected water was treated by processing it through the remedial treatment system air stripper tray prior to discharge into the Site storm sewer under Monroe County Pure Waters sewer discharge permit No. 861. Details of the discharge of the treated water were provided to Monroe County in an October 5, 2010 letter to Monroe County Department of Environmental Services Industrial Waste Section (MACTEC, 2010f).

3.3.2 Sediment Characterization and Disposal Details

Sediment collected during cleaning of the remedial treatment system was placed in a 55-gallon drum. The sediment was sampled, the analytical results were submitted to NYSDEC for a “contained-in” determination, and NYSDEC subsequently issued a letter stating that the sediment could be disposed as a non-hazardous material (NYSDEC, 2010c). The sediment drum was subsequently removed and disposed of by Waste Management. Copies of the NYSDEC contained-in determination letter and the sediment drum manifest are provided in Appendix D.

3.4 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING AND REPORTING

3.4.1 Groundwater Monitoring

The performance of the 3DMe[®] injection will be monitored through semi-annual low-flow groundwater sampling events, the first of which will occur in the spring of 2011. All 14 of the Site wells will be sampled. Groundwater samples will be submitted to TestAmerica, Inc. (New York State Lab ID# 11342), for analysis of the six primary COCs remaining at the Site: TCE; tetrachloroethene; cis-1,2-DCE; trans-1,2-DCE; 1,1-DCE; and vinyl chloride. These VOCs will be analyzed for by Environmental Protection Agency (EPA) Method 8260B. Additionally, as requested by NYSDEC in an October 27, 2010 email (NYSDEC, 2010d), the groundwater

samples will be tested for the full suite of 8260B constituents once every five years and prior to ending monitoring at any specified well. Performance monitoring will continue until COC concentrations are below the NYSDEC Class GA Standards.

Results of the performance monitoring will be provided to NYSDEC in subsequent annual reports. The monitoring reports will include, but not be limited to:

- A summary of activities, such as wells sampled, type of sampling (e.g., low flow), analytical methods, field tests, and field measurements
- Map(s) showing the location of monitored wells
- Groundwater levels for the monitoring event
- Potentiometric surface map(s) and interpretation of groundwater flow direction(s) and gradient(s)
- Analytical results for COCs
- Interpretation and analysis of data, including:
 - comparison of analytical results for COCs to remediation goals
 - comparison of data to previous results
- A copy of laboratory analytical reports and chain-of-custody forms

A Periodic Review Report will also be submitted with each annual groundwater monitoring report.

3.4.2 SSD System

Upon completion of SSD system installation and post mitigation testing, the duplex owner was provided with written system OM&M procedures in the form of a *Site Management Plan* (MACTEC, 2010e). These procedures were also discussed with the owner after installation of the System. The Plan was prepared to address the OM&M requirements for mitigation systems outlined in Section 4.4 of the NYSDOH Guidance (NYSDOH, 2006). Included in the Plan were details of the system components, operating procedures, guidelines for periodic system inspections, and guidelines for system repair.

The initial inspection and maintenance will be performed by the installation contractor, Mitigation Tech, approximately 18 months after system installation (i.e., approximately February 2012). Subsequent inspections will be performed by Mitigation Tech approximately annually thereafter.

MACTEC will submit the results of the inspection and testing of the SSD system to the NYSDEC. The SSD system installation contractor, Mitigation Tech, will perform the inspection.

4.0 REFERENCES

- ASTM, E2121-09. *Standard Practice for Installing Radon Mitigation Systems in Existing Low-Rise Residential Buildings*.
- Harding Lawson Associates, 2000a. *Final Engineering Report On-Site Storm Sewers, Taylor Instruments Site, Rochester, New York*. Prepared for Combustion Engineering. January.
- Harding Lawson Associates, 2000b. *Remedial Work Plan, Taylor Instruments Site, 95 Ames Street, Rochester, New York*. Prepared for Combustion Engineering. April.
- MACTEC, 2003. *Final Engineering Report, Former Taylor Instruments Site, Rochester, New York*. Prepared for Combustion Engineering. September.
- MACTEC, 2005. *Soil Management Plan, Former Taylor Instruments Facility, 95 Ames Street, Rochester, New York 14611*. Prepared for Combustion Engineering. April.
- MACTEC, 2008a. *Accelerated Bioremediation Pilot Test Final Report, Former Taylor Instruments Site, 95 Ames Street in Rochester, New York*. Prepared for the New York State Department of Environmental Conservation. January 4.
- MACTEC, 2008b. Meeting between Combustion Engineering, Nixon Peabody, MACTEC, and NYSDEC to discuss requirements for final closure. July 29.
- MACTEC, 2009a. *Work Plan for Sub-Slab Vapor and Indoor Air Investigation, Residences near the Former Taylor Instruments Site: 64, 70, and 80 Ames Street and 215 and 216 Danforth Street, Rochester, New York*. Prepared for the New York State Department of Environmental Conservation. December 23.
- MACTEC, 2009b. *Report of Soil Vapor Investigation, Former Taylor Instruments Site, Rochester, New York*. Prepared for the New York State Department of Environmental Conservation. November 5.
- MACTEC, 2010a. *Revised Work Plan for Accelerated Bioremediation and Permanent Decommissioning of the Remedial Treatment System, Former Taylor Instruments Site, 95 Ames Street in Rochester, New York*. Prepared for the New York State Department of Environmental Conservation. June 11.
- MACTEC, 2010b. *Vapor Mitigation Measure Work Plan for 80 Ames Street and 215 Danforth Street, Former Taylor Instruments Site, Rochester, New York*. Prepared for ABB, Inc. July.
- MACTEC, 2010c. Email from Mr. Ricky A. Ryan with MACTEC Engineering and Consulting, Inc., to Mr. Frank Sowers with the New York State Department of Environmental Conservation and Ms. Katherine Comerford with the New York State Department of Health. May 28.
- MACTEC, 2010d. *Addendum to Vapor Mitigation Measure Work Plan*. Prepared for the New York State Department of Environmental Conservation. Pending Submission.

- MACTEC, 2010e. *Site Management Plan for Sub-Slab Vapor Mitigation System Operation and Maintenance, Duplex at 80 Ames Street and 215 Danforth Street in Rochester, New York.* Prepared for Mr. Kevin Carter, property owner. October 25.
- MACTEC, 2010f. Letter to Mr. Sean Keenam with the Monroe County DES-IWC. October 5.
- NYSDEC, 2005. Letter to Ms. Jean H. McCreary with Nixon Peabody LLC. September 2.
- NYSDEC, 2008. Letter to Mr. Ricky A. Ryan with MACTEC Engineering and Consulting, Inc. May 2.
- NYSDEC, 2009. *Groundwater Monitoring Well Decommissioning Procedures.* August 1.
- NYSDEC, 2010a. Letter to Mr. Ricky A. Ryan with MACTEC Engineering and Consulting, Inc. June 29.
- NYSDEC, 2010b. Letter to Mr. Ricky A. Ryan with MACTEC Engineering and Consulting, Inc. August 17.
- NYSDEC, 2010c. Letter to Mr. Ricky A. Ryan with MACTEC Engineering and Consulting, Inc. October 5.
- NYSDEC, 2010d. Email to Mr. Ricky A. Ryan with MACTEC Engineering and Consulting, Inc. October 27.
- NYSDOH, 2006. *Guidance for Evaluating Soil Vapor Intrusion in the State of New York.* Prepared by the New York State Department of Health. October.

APPENDIX A

FIGURES

P:\MSB Business Services\3031052006 Rochester\9 - Drawings\MACTEC Drawings\3031052006 - Rochester\2010 november\3031052006_fig 1 (nov 2010).dwg Mon, 22 Nov 2010 - 2:12pm reverenc

RESIDENCES

WEST AVENUE

ROCHESTER GAS AND ELECTRIC

HAGUE STREET

FORMER
GROUNDWATER
TREATMENT
BUILDING

STORAGE
SHED

LEGEND

- OVERBURDEN MONITORING WELL (OB, MW, TW, W)
- BEDROCK MONITORING WELL (BR)

0 20' 40' 80'
SCALE: 1"=80'

NEW YORK
CENTRAL
RAILROAD
TRACKS
N/F

FORMER
INDUSTRIAL
FACILITY
(VACANT)

AMES STREET

RESIDENCE
RESIDENCE
RESIDENCE

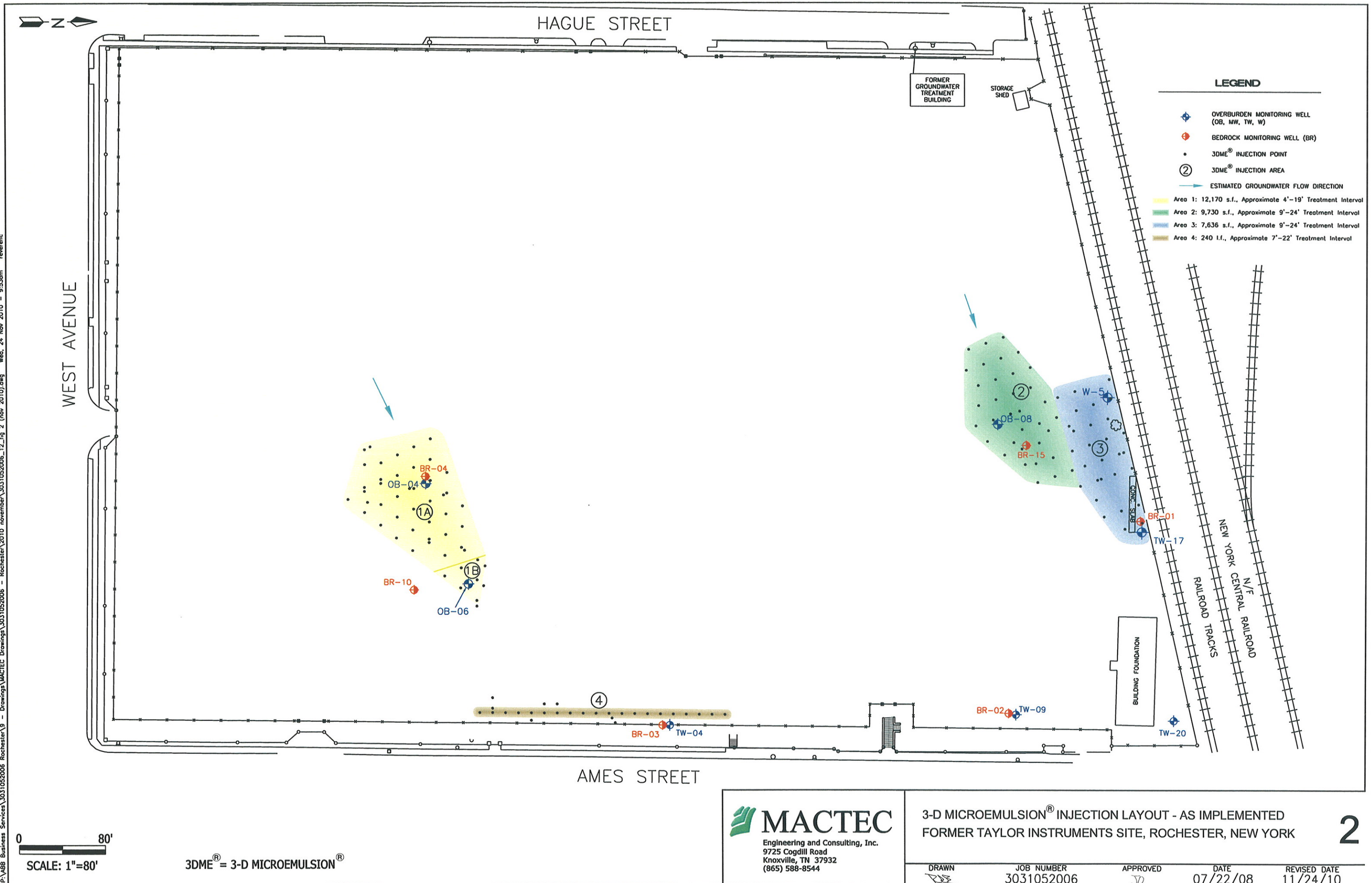
MACTEC
Engineering and Consulting, Inc.
9725 Cogdill Road
Knoxville, TN 37932
(865) 588-8544

SITE LAYOUT
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK

1

DRAWN RSE	JOB NUMBER 3031052006	APPROVED JD	DATE 07/22/08	REVISED DATE 11/22/10
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P:\ABB Business Services\3031052006 Rochester\3 - Drawings\MACTEC Drawings\3031052006 - Rochester\2010 november\3031052006_12_fig 2 (nov 2010).dwg Wed, 24 Nov 2010 - 9:53am reverenc





NFA = no further action warranted

SSD = sub-slab depressurization system installed

● = Soil vapor sample location (abandoned)

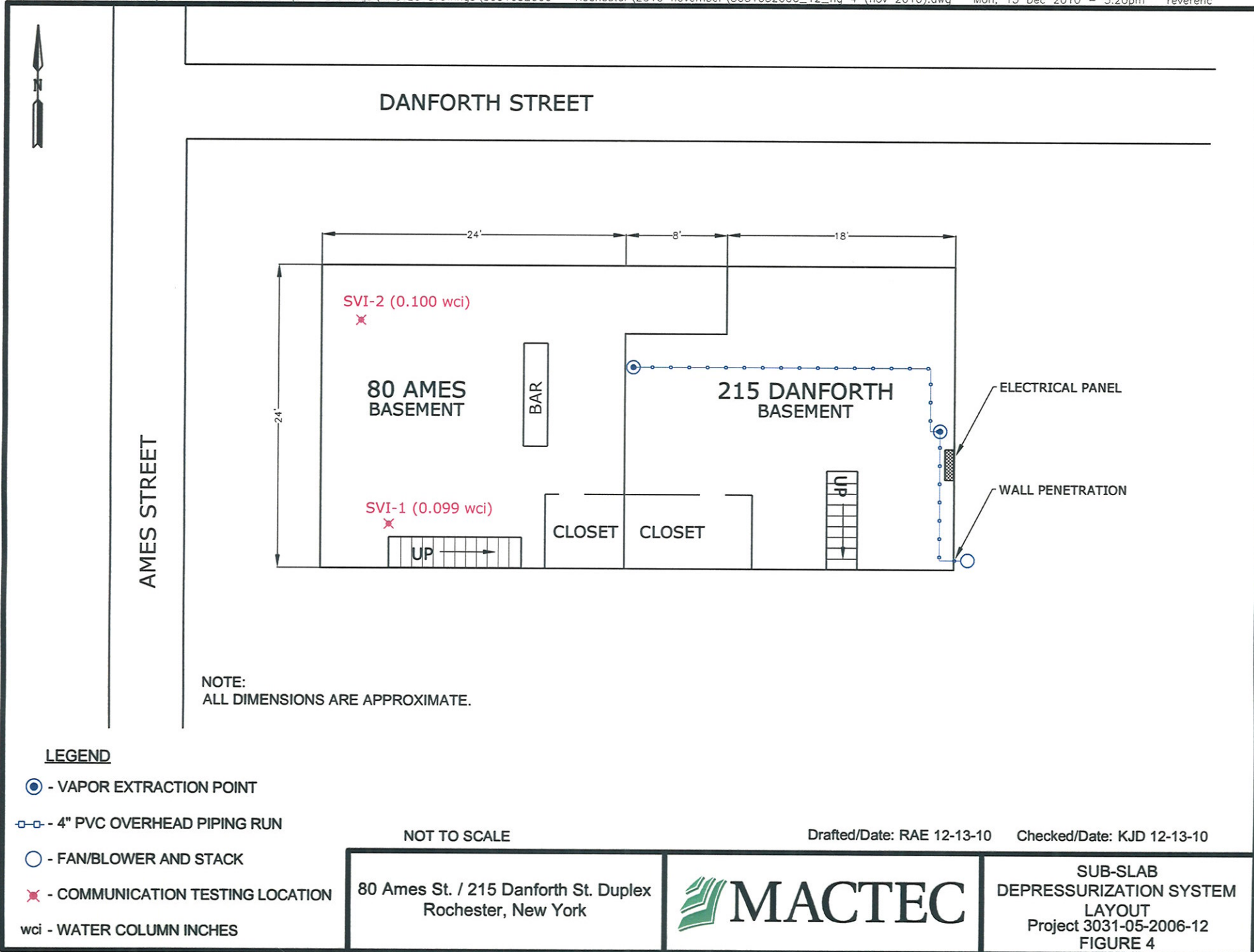
Project 3031052006-11

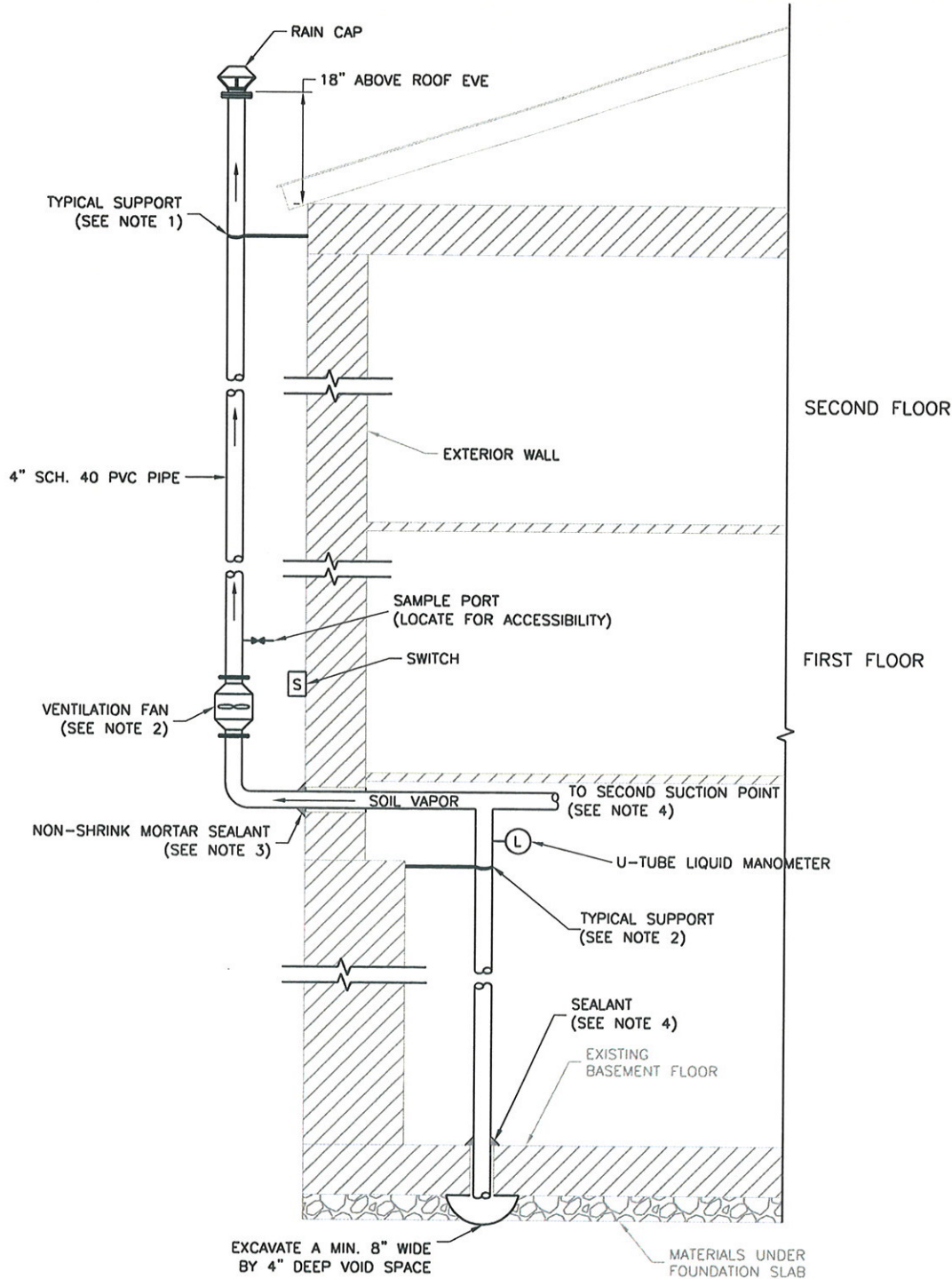


Figure 3 - Sub-Slab Vapor and Indoor Air Sampling Residences at 64, 70, and 80 Ames Street; 195, 215, and 216 Danforth Street; and 7 and 15 Lynchford Park B

Former Taylor Instruments Site
Rochester, New York

Prepared by: KJD 10/28/10
Checked by: CRW 11/28/10





NOTES:

1. SUPPORTS WERE INSTALLED AT LEAST EVERY 6 FEET ON HORIZONTAL RUNS. VERTICAL RUNS WERE SECURED EITHER ABOVE OR BELOW THE POINTS OF PENETRATION THROUGH FLOOR, OR AT LEAST EVERY 8 FEET ON RUNS THAT DO NOT PENETRATE FLOOR.
2. THE VENTILATION FAN IS A RADONWAY RP-145. THE FAN IS CONNECTED ABOVE AND BELOW TO THE VENT PIPE WITH FLEXIBLE CONNECTORS AND CLAMPED IN PLACE.
3. OPENINGS AROUND THE SUCTION POINT PIPE WERE SEALED USING METHODS AND MATERIALS THAT ARE DURABLE AND PERMANENT. SEALANTS AND ADHESIVES ARE COMPATIBLE WITH PIPING MATERIALS AS SPECIFIED BY THE PIPING MANUFACTURER.
4. SEE FIGURE 4 FOR SSD SYSTEM LAYOUT.

SSD = SUB-SLAB DEPRESSURIZATION

NOT TO SCALE

Drafted/Date: RAE 11/09/10 Checked/Date: KJD 11/09/10

80 Ames St. / 215 Danforth St. Duplex
Rochester, New York



SSD SYSTEM DETAILS

Project 3031-05-2006-12
FIGURE 5

APPENDIX B

SURVEY DESCRIPTION

SCHEDULE A

95 Ames Street

Beginning at a point, said point being the intersection of the northerly street line of West Avenue with the centerline of abandoned Hague Street,

1. Thence north $00^{\circ}35'45''$ west along the centerline of abandoned Hague Street, a distance of 859.89 feet to a point,
2. Thence north $75^{\circ}47'52''$ east, a distance of 356.20 feet to a point;
3. Thence south $00^{\circ}43'25''$ east, a distance of 1.03 feet to a point,
4. Thence north $75^{\circ}48'58''$ east, a distance of 322.45 feet to a point in the westerly street line of Ames Street;
5. Thence south $00^{\circ}35'45''$ east along the westerly street line of Ames Street, a distance of 79.39 feet to a point,
6. Thence south $01^{\circ}15'25''$ east along the westerly street line of Ames Street, a distance of 256.04 feet to a point;
7. Thence south $89^{\circ}24'15''$ east, a distance of 5.00 feet to a point,
8. Thence south $00^{\circ}35'45''$ east along the westerly street line of Ames Street, a distance of 680.26 feet to a point in the northerly street line of West Avenue,
9. Thence south $89^{\circ}10'15''$ west along the northerly street line of West Avenue, a distance of 667.59 feet to the point of beginning

APPENDIX C

WELL DECOMMISSIONING RECORDS

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <u>Taylor Instruments - Former</u>	Well I.D.: <u>MW-00</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/9/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<u>25 - 10</u>		
# of batches prepared	<u>1</u>		
For each batch record:			
Quantity of water used (gal.)	<u>15.6</u>		
Quantity of cement used (lbs.)	<u>188</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>8</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~30</u>		
Volume of grout used (gal.)	<u>5</u>		

COMMENTS:

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3
 WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>TW-01</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/11/10</u>

DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*
<u>OVERDRILLING</u> Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing 	Depth (feet)
<u>CASING PULLING</u> Method employed Casing retrieved (feet) Casing type/dia. (in) 	
<u>CASING PERFORATING</u> Equipment used Number of perforations/foot Size of perforations Interval perforated 	
<u>GROUTING</u> Interval grouted (FBLs) 45-22 # of batches prepared 1 For each batch record: Quantity of water used (gal.) 16 Quantity of cement used (lbs.) 188 Cement type portland Quantity of bentonite used (lbs.) 8 Quantity of calcium chloride used (lbs.) - Volume of grout prepared (gal.) ~30 Volume of grout used (gal.) ~5 	
45 top of grout	
17 top of screen	
22 bottom of screen	

COMMENTS:

Drilling Contractor

* Sketch in all relevant decommissioning data, including:
 interval overdrilled, interval grouted, casing left in hole,
 well stickup, etc.

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>TW-07</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/9/18</u>

DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*	
<u>OVERDRILLING</u> Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing 	Depth (feet)	
<u>CASING PULLING</u> Method employed Casing retrieved (feet) Casing type/dia. (in.) 		
<u>CASING PERFORATING</u> Equipment used Number of perforations/foot Size of perforations Interval perforated 		
<u>GROUTING</u> Interval grouted (FBLs) # of batches prepared For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.) Volume of grout used (gal.) 		

COMMENTS:

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

WELL DECOMMISSIONING RECORD

Site Name: Former Taylor Instruments	Well I.D.: TW-13
Site Location: Rochester, NY	Driller: Pat Bliet
Drilling Co.: Matrix	Inspector: Courtney Wdf (MACTEC)
	Date: 8/9/10

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBLs)	45 - 15	10	
# of batches prepared	1	screened	
For each batch record:		interval	
Quantity of water used (gal.)	15.6		
Quantity of cement used (lbs.)	188		
Cement type	portland		
Quantity of bentonite used (lbs.)	8		
Quantity of calcium chloride used (lbs.)	—		
Volume of grout prepared (gal.)	~30	bottom of screen	
Volume of grout used (gal.)	6	15	

COMMENTS:

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>TW-74</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/9/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBS)	<i>45-15</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>15.5</i>		
Quantity of cement used (lbs.)	<i>188</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>8</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~30</i>		
Volume of grout used (gal.)	<i>~4.5</i>		
		<i>45 top of grout</i>	
		<i>7.5 top of screen</i>	
		<i>15 bottom of screen</i>	
COMMENTS:		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>OB-05</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliek</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/9/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet) 24' top of grout 4' top of screen 18' bottom of screen	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<u>24 - 18'</u>		
# of batches prepared	<u>1</u>		
For each batch record:			
Quantity of water used (gal.)	<u>15 gal</u>		
Quantity of cement used (lbs.)	<u>185</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>8</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~30</u>		
Volume of grout used (gal.)	<u>5.5</u>		
COMMENTS:		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>OB-07</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/11/10</u>

DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*	
<u>OVERDRILLING</u> Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing 	Depth (feet) 45 top of grout 10.2 top of screen 20.2 bottom of screen	
<u>CASING PULLING</u> Method employed Casing retrieved (feet) Casing type/dia. (in.) 		
<u>CASING PERFORATING</u> Equipment used Number of perforations/foot Size of perforations Interval perforated 		
<u>GROUTING</u> Interval grouted (FBLs) 45-20.5 # of batches prepared 1 For each batch record: Quantity of water used (gal.) 16 Quantity of cement used (lbs.) 188 Cement type portland Quantity of bentonite used (lbs.) 8 Quantity of calcium chloride used (lbs.) — Volume of grout prepared (gal.) ~30 Volume of grout used (gal.) 6 		
COMMENTS: 		

Drilling Contractor

Department Representative

WELL DECOMMISSIONING RECORD

Site Name: Former Taylor Instruments	Well I.D.: 08-09
Site Location: Rochester, NY	Driller: Pat Bliet
Drilling Co.: Matrix Environmental	Inspector: Courtney Wolf (MACTEC)
	Date: 8/9/18

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBLS)	45-23.5		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	15		
Quantity of cement used (lbs.)	188		
Cement type	portland		
Quantity of bentonite used (lbs.)	8		
Quantity of calcium chloride used (lbs.)	—		
Volume of grout prepared (gal.)	~30		
Volume of grout used (gal.)	~6.5		
COMMENTS:			

45 top of
grout

13.3' top
of screen

23.3'
bottom of
screen

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

FIGURE 3 WELL DECOMMISSIONING RECORD

Site Name: Former Taylor Instruments	Well I.D.: W-1
Site Location: Rochester, NY	Driller: Pat Blik
Drilling Co.: Matrix Environmental	Inspector: Courtney Wolf (Mactec)
	Date: 8/11/10

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBLs)	45-14		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	16		
Quantity of cement used (lbs.)	188		
Cement type	portland		
Quantity of bentonite used (lbs.)	8		
Quantity of calcium chloride used (lbs.)	—		
Volume of grout prepared (gal.)	~30		
Volume of grout used (gal.)	5		
COMMENTS: stickup portion of casing removed broken off about 3' b/s			

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>W-2</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/11/10</u>

DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*
<u>OVERDRILLING</u> Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing 	Depth (feet)
<u>CASING PULLING</u> Method employed Casing retrieved (feet) Casing type/dia. (in) 	
<u>CASING PERFORATING</u> Equipment used Number of perforations/foot Size of perforations Interval perforated 	
<u>GROUTING</u> Interval grouted (FBLS) <u>25-18</u> # of batches prepared <u>1</u> For each batch record: Quantity of water used (gal.) <u>22</u> Quantity of cement used (lbs.) <u>252</u> Cement type <u>portland</u> Quantity of bentonite used (lbs.) <u>12</u> Quantity of calcium chloride used (lbs.) <u>—</u> Volume of grout prepared (gal.) <u>~45</u> Volume of grout used (gal.) <u>~10</u>	

COMMENTS: outer casing pulled (stickup well)
broken off pvc at ~3' bls

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>W-3</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/9/10</u>

DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*					
<u>OVERDRILLING</u> Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing 	Depth (feet) <!-- Vertical scale line --> <!-- Horizontal tick marks --> <!-- Handwritten labels --> <u>45 top of grout</u> <u>16' top of screen</u> <u>21' bottom of screen</u>	<u>CASING PULLING</u> Method employed Casing retrieved (feet) Casing type/dia. (in) 	<u>CASING PERFORATING</u> Equipment used Number of perforations/foot Size of perforations Interval perforated 	<u>GROUTING</u> Interval grouted (FBLs) <u>45-21</u> # of batches prepared <u>1</u> For each batch record: Quantity of water used (gal.) <u>15</u> Quantity of cement used (lbs.) <u>188</u> Cement type <u>portland</u> Quantity of bentonite used (lbs.) <u>8</u> Quantity of calcium chloride used (lbs.) <u>—</u> Volume of grout prepared (gal.) <u>~30</u> Volume of grout used (gal.) <u>~5</u>	COMMENTS: 	
<u>CASING PULLING</u> Method employed Casing retrieved (feet) Casing type/dia. (in) 						
<u>CASING PERFORATING</u> Equipment used Number of perforations/foot Size of perforations Interval perforated 						
<u>GROUTING</u> Interval grouted (FBLs) <u>45-21</u> # of batches prepared <u>1</u> For each batch record: Quantity of water used (gal.) <u>15</u> Quantity of cement used (lbs.) <u>188</u> Cement type <u>portland</u> Quantity of bentonite used (lbs.) <u>8</u> Quantity of calcium chloride used (lbs.) <u>—</u> Volume of grout prepared (gal.) <u>~30</u> Volume of grout used (gal.) <u>~5</u>						
COMMENTS: 						

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>W-4</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/9/10</u>

DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*	
<u>OVERDRILLING</u> Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing 	Depth (feet)	
<u>CASING PULLING</u> Method employed Casing retrieved (feet) Casing type/dia. (in) 		
<u>CASING PERFORATING</u> Equipment used Number of perforations/foot Size of perforations Interval perforated 		
<u>GROUTING</u> Interval grouted (FBLS) 45-26 # of batches prepared 1 For each batch record: Quantity of water used (gal.) 15.5 Quantity of cement used (lbs.) 188 Cement type portland Quantity of bentonite used (lbs.) 8 Quantity of calcium chloride used (lbs.) — Volume of grout prepared (gal.) ~50 Volume of grout used (gal.) ~6 		
COMMENTS: <u>steel outer casing pulled out of ground</u> <u>pvc portion broken off about 3' bls</u> * Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.		

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>W-6</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/11/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<i><5 - 15</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>285</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~ 45</i>		
Volume of grout used (gal.)	<i>6</i>		

COMMENTS: 	* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.
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FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>BR-05</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.:	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/9/18</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<u>25-49.9</u>		
# of batches prepared	<u>2</u>		
For each batch record:			
Quantity of water used (gal.)	<u>12</u>		
Quantity of cement used (lbs.)	<u>188</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>8</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~60</u>		
Volume of grout used (gal.)	<u>~45</u>		

COMMENTS:

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

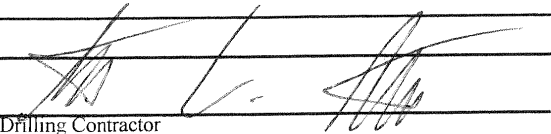
FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>BR-06</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliek</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/11/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<u>25-42.6</u>		
# of batches prepared	<u>1</u>		
For each batch record:			
Quantity of water used (gal.)	<u>22</u>		
Quantity of cement used (lbs.)	<u>282</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>12</u>		
Quantity of calcium chloride used (lbs.)	<u>-</u>		
Volume of grout prepared (gal.)	<u>~45</u>		
Volume of grout used (gal.)	<u>30</u>	<u>42.6</u>	

COMMENTS: stickup well - steel casing cut
flush to land surface

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor 

Department Representative _____

FIGURE 3 WELL DECOMMISSIONING RECORD

Site Name: Former Taylor Instruments	Well I.D.: BR-07
Site Location: Rochester, NY	Driller: Pat Blick
Drilling Co.: Matrix Environmental	Inspector: Courtney Wolf (MACTEC)
	Date: 8/9/10

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed		45 top of grout	
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBLS)	45-53.3		
# of batches prepared	2		
For each batch record:			
Quantity of water used (gal.)	12		
Quantity of cement used (lbs.)	188		
Cement type	portland		
Quantity of bentonite used (lbs.)	8		
Quantity of calcium chloride used (lbs.)	-		
Volume of grout prepared (gal.)	~90		
Volume of grout used (gal.)	~70	53.3	

COMMENTS: used $\frac{1}{2}$ batch with 15 gallons of water per 188 lbs cement plus 2 batches steel stickup portion of casing cut off @ kind surface

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>BR-08</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/11/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<u>45-73</u>		
# of batches prepared	<u>2</u>		
For each batch record:			
Quantity of water used (gal.)	<u>20</u>		
Quantity of cement used (lbs.)	<u>282</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>12</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~90</u>		
Volume of grout used (gal.)	<u>55</u>		
		<u>73.0</u>	

COMMENTS:

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

WELL DECOMMISSIONING RECORD

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>BR-11</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/11/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<i>45-52</i>		
# of batches prepared	<i>3</i>		
For each batch record:			
Quantity of water used (gal.)	<i>15, 23, 12</i>		
Quantity of cement used (lbs.)	<i>138, 282, 188</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>8, 12, 8</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~135</i>		
Volume of grout used (gal.)	<i>115</i>	<i>52'</i>	

COMMENTS: *3 different mixtures*

[Signature]

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>BR-12</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/9/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled		Depth (feet)	
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBS)	<u>25-42</u>		
# of batches prepared	<u>3</u>		
<u>For each batch record:</u>			
Quantity of water used (gal.)	<u>12 gal 15</u>		
Quantity of cement used (lbs.)	<u>188</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>8</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~190</u>		
Volume of grout used (gal.)	<u>~100</u>		

COMMENTS: batch 1 and what was left of previous
batch with 12 gal water, next 2 batches with
15 gallons water

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>BR-13</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Blick</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/9/10 and 8/11/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBLS)	45-67.5		
# of batches prepared	5		
For each batch record:			
Quantity of water used (gal.)	15		
Quantity of cement used (lbs.)	188		
Cement type	portland		
Quantity of bentonite used (lbs.)	8		
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)	~200		
Volume of grout used (gal.)	~200	67.5	
COMMENTS: mixed 3 batches - let sit added ~10 gal at end of day 8/9/10 switched to 20 gal H ₂ O, 282 lbs cement, 12 lbs bentonite on 8/11/10		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

WELL DECOMMISSIONING RECORD

DECOMMISSIONING DATA (Fill in all that apply)

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

Interval grouted (FBLs)	45'-75.3'
# of batches prepared	3
For each batch record:	
Quantity of water used (gal.)	15.6
Quantity of cement used (lbs.)	188
Cement type	portland
Quantity of bentonite used (lbs.)	8
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	~90
Volume of grout used (gal.)	100 100 90

Depth
(feet)

25' grout
rise

75.3

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Department Representative

WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>BR-16</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/9/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBLS)	25-55		
# of batches prepared	2		
For each batch record:			
Quantity of water used (gal.)	15 and 12		
Quantity of cement used (lbs.)	188, 188		
Cement type	portland		
Quantity of bentonite used (lbs.)	8 and 8		
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)	~120		
Volume of grout used (gal.)	~100	55'	
COMMENTS: mixed 2nd batch thicker 3rd batch, 4th batch, 5th batches (12 gal) thicker		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

WELL DECOMMISSIONING RECORD

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed		45 top of grout	
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	45-52		
# of batches prepared	3		
<u>For each batch record:</u>			
Quantity of water used (gal.)	20/23		
Quantity of cement used (lbs.)	282		
Cement type	portland		
Quantity of bentonite used (lbs.)	12		
Quantity of calcium chloride used (lbs.)	—		
Volume of grout prepared (gal.)	~135		
Volume of grout used (gal.)	~130	52'	

11/11/2023

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>VW-N-1</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Whit (MACTEC)</u>
	Date: <u>8/10/10</u>

DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*
<u>OVERDRILLING</u> Interval Drilled [] Drilling Method(s) [] Borehole Dia. (in.) [] Temporary Casing Installed? (y/n) [] Depth temporary casing installed [] Casing type/dia. (in.) [] Method of installing [] <u>CASING PULLING</u> Method employed [] Casing retrieved (feet) [] Casing type/dia. (in) [] <u>CASING PERFORATING</u> Equipment used [] Number of perforations/foot [] Size of perforations [] Interval perforated [] <u>GROUTING</u> Interval grouted (FBS) [<u>45-25.3</u>] # of batches prepared [<u>1</u>] For each batch record: Quantity of water used (gal.) [<u>23</u>] Quantity of cement used (lbs.) [<u>282</u>] Cement type [<u>portland</u>] Quantity of bentonite used (lbs.) [<u>12</u>] Quantity of calcium chloride used (lbs.) [<u>—</u>] Volume of grout prepared (gal.) [<u>~45</u>] Volume of grout used (gal.) [<u>~6</u>] Depth (feet) bottom of vault 45 top of grout 5.3' top of screen 25.3' bottom of screen	
COMMENTS:	

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>VW-N-2</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/10/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<u>45-27.8</u>		
# of batches prepared	<u>1</u>		
For each batch record:			
Quantity of water used (gal.)	<u>23</u>		
Quantity of cement used (lbs.)	<u>282</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>12</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~45</u>		
Volume of grout used (gal.)	<u>~6 gal</u>		

COMMENTS:

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

WELL DECOMMISSIONING RECORD

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBLs)	25-35.8		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	23		
Quantity of cement used (lbs.)	282		
Cement type	portland		
Quantity of bentonite used (lbs.)	12		
Quantity of calcium chloride used (lbs.)	—		
Volume of grout prepared (gal.)	~45		
Volume of grout used (gal.)	26		
COMMENTS:			

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>VW-N-4</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/10/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBS)	<i>25-27.4</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>~6</i>		
		<i>27.4'</i>	
		<i>bottom of screen</i>	
COMMENTS:		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

WELL DECOMMISSIONING RECORD

Site Name: Former Taylor Instruments	Well I.D.: VW-N-5
Site Location: Rochester, NY	Driller: Pat Blik
Drilling Co.: Matrix Environmental	Inspector: Courtney Wolf (MACTEC)
	Date: 8/19/18

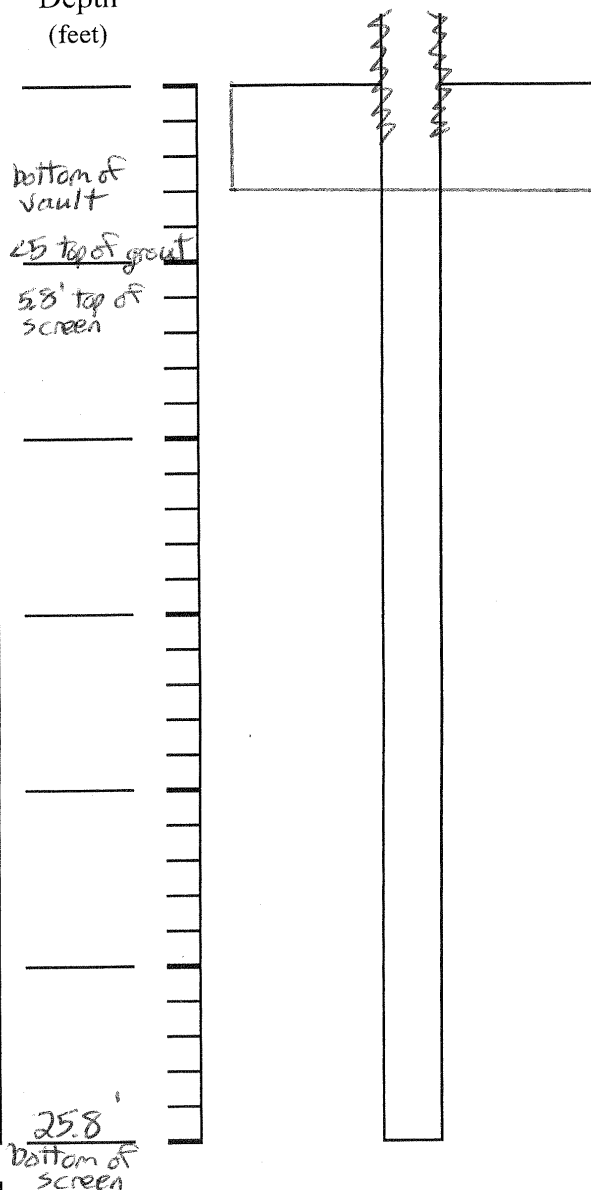
(Fill in all that apply)

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

Interval grouted (FBLS)	45-25.8
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	23
Quantity of cement used (lbs.)	282
Cement type	portland
Quantity of bentonite used (lbs.)	12
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	~45
Volume of grout used (gal.)	~6

Depth
(feet)

COMMENTS:

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>VW-N-6</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/10/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBS)	<i>45-25.2</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>~5</i>		
COMMENTS:		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>VW-N-7</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wdf (MACTEC)</i>
	Date: <i>8/10/18</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBS)	<i>45-25.1</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>~8</i>		
COMMENTS:		<i>25.1</i> bottom of screen * Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>VW-5-1</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/13/90</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<i>24-24.45</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>9</i>		
COMMENTS:		<i>24.45</i> bottom of screen * Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

WELL DECOMMISSIONING RECORD

Site Name: Former Taylor Instruments	Well I.D.: VW-S-2
Site Location: Rochester, NY	Driller: Pat Bliet
Drilling Co.: Matrix Environmental	Inspector: Courtney Wolf (MACTEC)
	Date: 8/13

(Fill in all that apply)

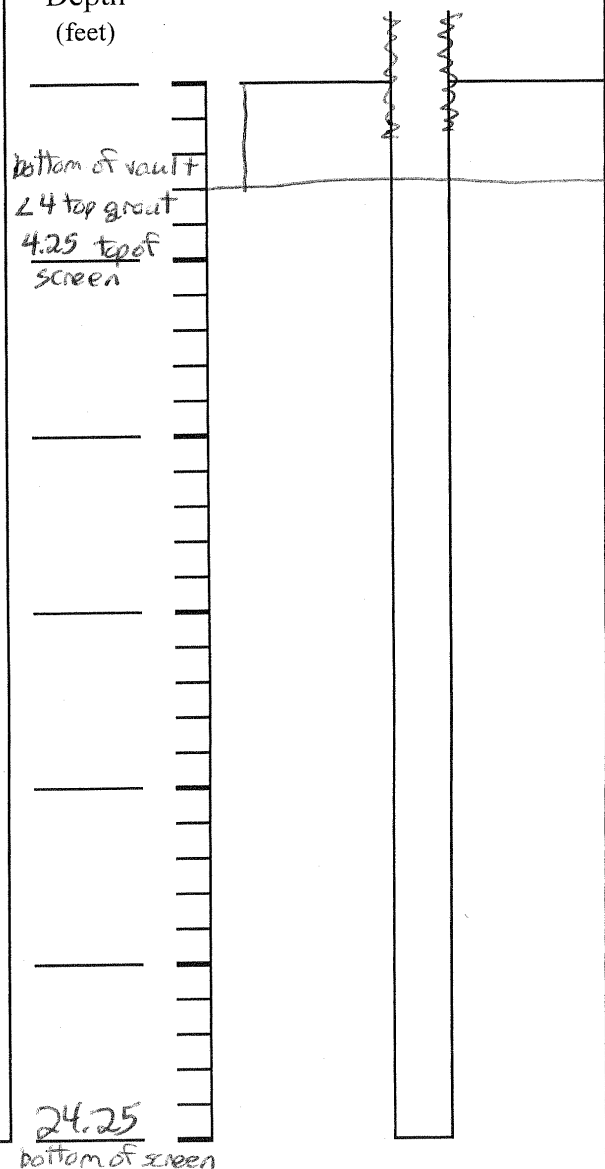
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

Interval grouted (FBLS)	24-24.25
# of batches prepared	1
<u>For each batch record:</u>	
Quantity of water used (gal.)	23
Quantity of cement used (lbs.)	282
Cement type	portland
Quantity of bentonite used (lbs.)	12
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	~ 45
Volume of grout used (gal.)	7

Depth
(feet)



COMMENTS:

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

WELL DECOMMISSIONING RECORD

Site Name: Former Taylor Instruments	Well I.D.: VW-S-3
Site Location: Rochester, NY	Driller: Pat Bliks
Drilling Co.: Matrix Environmental	Inspector: Courtney Wolf (MACTEC)
	Date: 8/13/10

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBLs)	45-23.3		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	23		
Quantity of cement used (lbs.)	282		
Cement type	portland		
Quantity of bentonite used (lbs.)	12		
Quantity of calcium chloride used (lbs.)	—		
Volume of grout prepared (gal.)	~45		
Volume of grout used (gal.)	6		
		23.3 bottom of screen	
COMMENTS:			

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>VW-5-4</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/13/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<u>24-24.45</u>		
# of batches prepared	<u>2</u>		
For each batch record:			
Quantity of water used (gal.)	<u>23</u>		
Quantity of cement used (lbs.)	<u>282</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>12</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~45</u>		
Volume of grout used (gal.)	<u>~10</u>		
COMMENTS: <u>2nd batch - hand mixed to top</u>		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	
<u>off on 8/17/10</u>			

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>VW-5-5</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Webb (MACTEC)</i>
	Date: <i>8/13/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<i>24-24.25</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~ 45</i>		
Volume of grout used (gal.)	<i>8</i>		
COMMENTS:		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>VW-5-6</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/13/18</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<i>23-24.45</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>8</i>		
COMMENTS:		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

WELL DECOMMISSIONING RECORD

Site Name:	Former Taylor Instruments	Well I.D.:	VW- 8 -7
Site Location:	Rochester, NY	Driller:	Pat Blick
Drilling Co.:	Matrix Environmental	Inspector:	Courtney Wolf (MACTEC)
		Date:	8/13

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBLs)	24-24.45		
# of batches prepared	7		
For each batch record:			
Quantity of water used (gal.)	23		
Quantity of cement used (lbs.)	282		
Cement type	portland		
Quantity of bentonite used (lbs.)	12		
Quantity of calcium chloride used (lbs.)	—		
Volume of grout prepared (gal.)	~45		
Volume of grout used (gal.)	17		
COMMENTS:			

~~Drilling Contractor~~

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>VW-5-8</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/13/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBS)	<i>24-24.55</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>10</i>		
COMMENTS:		<i>24.55</i> Bottom of screen * Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>JW-5-9</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/13/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBS)	<i>24-24.45</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>5</i>		
		<i>24.45'</i>	
		<i>bottom of screen</i>	
COMMENTS:		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>VW-5-10</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/13/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBS)	<u>42-22.65</u>		
# of batches prepared	<u>1</u>		
For each batch record:			
Quantity of water used (gal.)	<u>23</u>		
Quantity of cement used (lbs.)	<u>282</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>12</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~45</u>		
Volume of grout used (gal.)	<u>6</u>		
COMMENTS:		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

WELL DECOMMISSIONING RECORD

Site Name: Former Taylor Instruments	Well I.D.: VW-S-11
Site Location: Rochester, NY	Driller: Pat Bliet
Drilling Co.: Matrix Environmental	Inspector: Courtney Wolf (MACTEC)
	Date: 8/13/10

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBLS)	24-24.45		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	23		
Quantity of cement used (lbs.)	282		
Cement type	portland		
Quantity of bentonite used (lbs.)	12		
Quantity of calcium chloride used (lbs.)	—		
Volume of grout prepared (gal.)	~45		
Volume of grout used (gal.)	7		
COMMENTS:			

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>VW-5-12</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/13/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBS)	<u>24-24.45</u>		
# of batches prepared	<u>1</u>		
For each batch record:			
Quantity of water used (gal.)	<u>23</u>		
Quantity of cement used (lbs.)	<u>282</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>12</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~45</u>		
Volume of grout used (gal.)	<u>5</u>		
		<u>24.45</u> bottom of screen	
COMMENTS:		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>VW-5-13</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/13/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<i>24-24.45</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>6</i>		
COMMENTS:		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>VW-S-14</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Blietk</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf</u>
	Date: <u>8/13/10</u>

DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*																																																
<u>OVERDRILLING</u> <table style="width: 100%;"> <tr><td>Interval Drilled</td><td></td></tr> <tr><td>Drilling Method(s)</td><td></td></tr> <tr><td>Borehole Dia. (in.)</td><td></td></tr> <tr><td>Temporary Casing Installed? (y/n)</td><td></td></tr> <tr><td>Depth temporary casing installed</td><td></td></tr> <tr><td>Casing type/dia. (in.)</td><td></td></tr> <tr><td>Method of installing</td><td></td></tr> </table> <u>CASING PULLING</u> <table style="width: 100%;"> <tr><td>Method employed</td><td></td></tr> <tr><td>Casing retrieved (feet)</td><td></td></tr> <tr><td>Casing type/dia. (in)</td><td></td></tr> </table> <u>CASING PERFORATING</u> <table style="width: 100%;"> <tr><td>Equipment used</td><td></td></tr> <tr><td>Number of perforations/foot</td><td></td></tr> <tr><td>Size of perforations</td><td></td></tr> <tr><td>Interval perforated</td><td></td></tr> </table> <u>GROUTING</u> <table style="width: 100%;"> <tr><td>Interval grouted (FBLs)</td><td><u>24-24.35</u></td></tr> <tr><td># of batches prepared</td><td><u>1</u></td></tr> <tr><td colspan="2">For each batch record:</td></tr> <tr><td>Quantity of water used (gal.)</td><td><u>23</u></td></tr> <tr><td>Quantity of cement used (lbs.)</td><td><u>282</u></td></tr> <tr><td>Cement type</td><td><u>portland</u></td></tr> <tr><td>Quantity of bentonite used (lbs.)</td><td><u>12</u></td></tr> <tr><td>Quantity of calcium chloride used (lbs.)</td><td><u>—</u></td></tr> <tr><td>Volume of grout prepared (gal.)</td><td><u>~45</u></td></tr> <tr><td>Volume of grout used (gal.)</td><td><u>6</u></td></tr> </table>	Interval Drilled		Drilling Method(s)		Borehole Dia. (in.)		Temporary Casing Installed? (y/n)		Depth temporary casing installed		Casing type/dia. (in.)		Method of installing		Method employed		Casing retrieved (feet)		Casing type/dia. (in)		Equipment used		Number of perforations/foot		Size of perforations		Interval perforated		Interval grouted (FBLs)	<u>24-24.35</u>	# of batches prepared	<u>1</u>	For each batch record:		Quantity of water used (gal.)	<u>23</u>	Quantity of cement used (lbs.)	<u>282</u>	Cement type	<u>portland</u>	Quantity of bentonite used (lbs.)	<u>12</u>	Quantity of calcium chloride used (lbs.)	<u>—</u>	Volume of grout prepared (gal.)	<u>~45</u>	Volume of grout used (gal.)	<u>6</u>	Depth (feet)
Interval Drilled																																																	
Drilling Method(s)																																																	
Borehole Dia. (in.)																																																	
Temporary Casing Installed? (y/n)																																																	
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Casing type/dia. (in.)																																																	
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Volume of grout used (gal.)	<u>6</u>																																																

COMMENTS:	* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.
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Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>BREW-N-1</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/10/10 - 8/11/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBS)	<i>15-75.8</i>	<i>25.8 top of screen</i>	
# of batches prepared	<i>4</i>		
For each batch record:			
Quantity of water used (gal.)	<i>20</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~180</i>		
Volume of grout used (gal.)	<i>175</i>	<i>75.8' bottom of screen</i>	
COMMENTS: <i>plus 1" piezometer</i>		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor: *[Signature]*

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>EW-N-1</i>
Site Location: <i>Rochester NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/10/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBS)	<i>45-27</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>~30 gal</i>		
COMMENTS:			
<i>also grouted 1" piezometer next to it</i>			

Depth
(feet)

*bottom of
vault*

*45' top of grout
5.2' top of
screen*

*26'
bottom of
screen*

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

WELL DECOMMISSIONING RECORD

Site Name: Former Taylor Instruments	Well I.D.: EW-N-2
Site Location: Rochester, NY	Driller: Pat Blik
Drilling Co.: Matrix Environmental	Inspector: Courtney Wolf (MACTEC)
	Date: 8/10/10

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing		Depth (feet) 	
CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in.)			
CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated			
GROUTING Interval grouted (FBLs) # of batches prepared For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.) Volume of grout used (gal.)			
COMMENTS: plus 1" piezometer		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>EW-N-3</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/10/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>		25.8' bottom of screen	
Interval grouted (FBS)	<u>25-26.8</u>		
# of batches prepared	<u>1</u>		
For each batch record:			
Quantity of water used (gal.)	<u>23</u>		
Quantity of cement used (lbs.)	<u>282</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>12</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~45</u>		
Volume of grout used (gal.)	<u>~32</u>		
COMMENTS:			
<u>also grouted 1" piezometer</u>			

Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>EW-N-4</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/10/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBS)	<u>45-26'</u>		
# of batches prepared	<u>1</u>		
For each batch record:			
Quantity of water used (gal.)	<u>23</u>		
Quantity of cement used (lbs.)	<u>282</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>12</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~45</u>		
Volume of grout used (gal.)	<u>~30</u>		
COMMENTS:			

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>EW-N-5</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/10/10</u>

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBS)	<u>25-27</u>
# of batches prepared	<u>1</u>
For each batch record:	
Quantity of water used (gal.)	<u>23</u>
Quantity of cement used (lbs.)	<u>282</u>
Cement type	<u>portland</u>
Quantity of bentonite used (lbs.)	<u>12</u>
Quantity of calcium chloride used (lbs.)	<u>—</u>
Volume of grout prepared (gal.)	<u>~45</u>
Volume of grout used (gal.)	<u>~25</u>

WELL SCHEMATIC*

Depth (feet)	
<u>27'</u>	

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

COMMENTS: plus 1" piezometer grouted

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>EW-N-8</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/10/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBS)	<u>45-25</u>		
# of batches prepared	<u>1</u>		
For each batch record:			
Quantity of water used (gal.)	<u>23</u>		
Quantity of cement used (lbs.)	<u>282</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>12</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~45</u>		
Volume of grout used (gal.)	<u>-30</u>		
COMMENTS: <u>grouted 1" piezometer also</u>			

bottom of
screen

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>BREW-S-1</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliek</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/13/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<u>45-61.8</u>		
# of batches prepared	<u>4</u>		
For each batch record:			
Quantity of water used (gal.)	<u>23</u>		
Quantity of cement used (lbs.)	<u>282</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>12</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~180</u>		
Volume of grout used (gal.)	<u>135</u>		
COMMENTS: <u>plus 1" piezometer</u>		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	
<u>1 batch 13gal, 8 lbs, 2 bags</u>			

Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>EW-S-1D</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/13/18</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLS)	<u>4.0 - 18.3</u>		
# of batches prepared	<u>1</u>		
For each batch record:			
Quantity of water used (gal.)	<u>20</u>		
Quantity of cement used (lbs.)	<u>282</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>12</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>245</u>		
Volume of grout used (gal.)	<u>22</u>		
COMMENTS: <u>thicker batch due to close proximity to monitoring wells staying on site</u> <u>also grouted 1" piezometer</u>		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>EW-5-15</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/13/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBS)	<u>24-13.7</u>		
# of batches prepared	<u>1</u>		
For each batch record:			
Quantity of water used (gal.)	<u>20</u>		
Quantity of cement used (lbs.)	<u>282</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>12</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~45</u>		
Volume of grout used (gal.)	<u>20</u>		
COMMENTS: <u>grouted 1" piezometer too</u>			
<u>used thicker batch due to close proximity to</u>			
<u>wells that are not being abandoned</u>			

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>EW-5-2</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/13/10</i>

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

Method employed	
Casing retrieved (feet)	
Casing type/dia. (in.)	

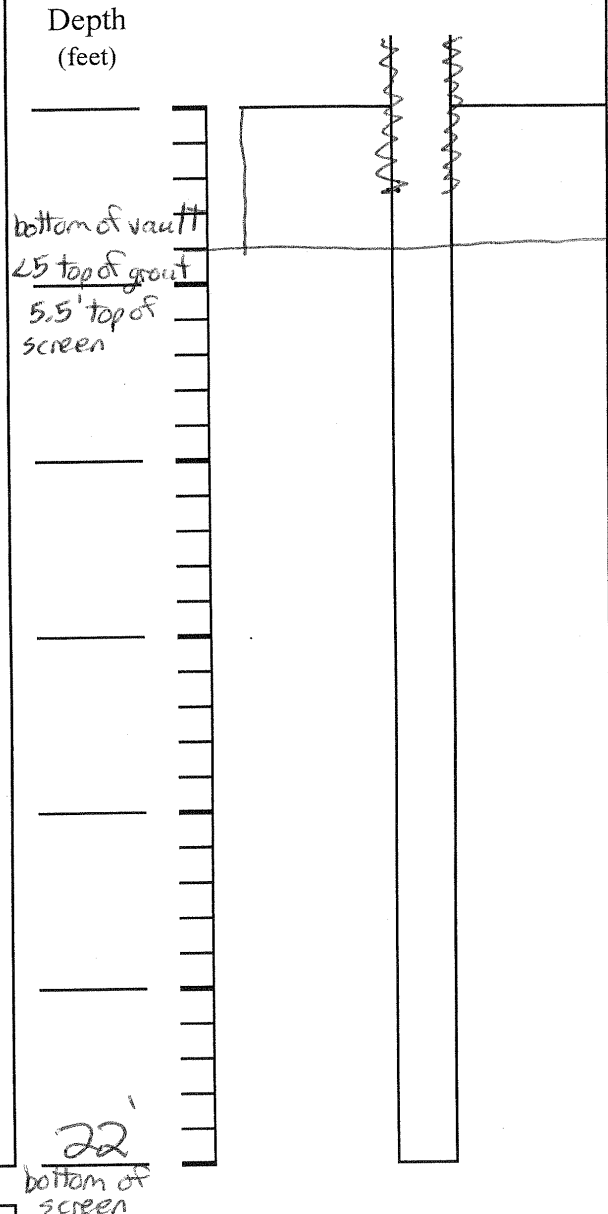
CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLs)	<i>45-22</i>
# of batches prepared	<i>1</i>
For each batch record:	
Quantity of water used (gal.)	<i>23</i>
Quantity of cement used (lbs.)	<i>282</i>
Cement type	<i>portland</i>
Quantity of bentonite used (lbs.)	<i>12</i>
Quantity of calcium chloride used (lbs.)	<i>—</i>
Volume of grout prepared (gal.)	<i>~45</i>
Volume of grout used (gal.)	<i>25</i>

WELL SCHEMATIC*

COMMENTS: *and 1" piezometer*

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>EW-S-3</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf</u>
	Date: <u>8/13/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBS)	<u>45-22</u>		
# of batches prepared	<u>1</u>		
For each batch record:			
Quantity of water used (gal.)	<u>23</u>		
Quantity of cement used (lbs.)	<u>282</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>12</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~45</u>		
Volume of grout used (gal.)	<u>25</u>		
COMMENTS: <u>and 1" piezometer</u>		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>EW-S-4</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliek</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/13/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBS)	<i>45-22</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>20</i>		
COMMENTS:		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

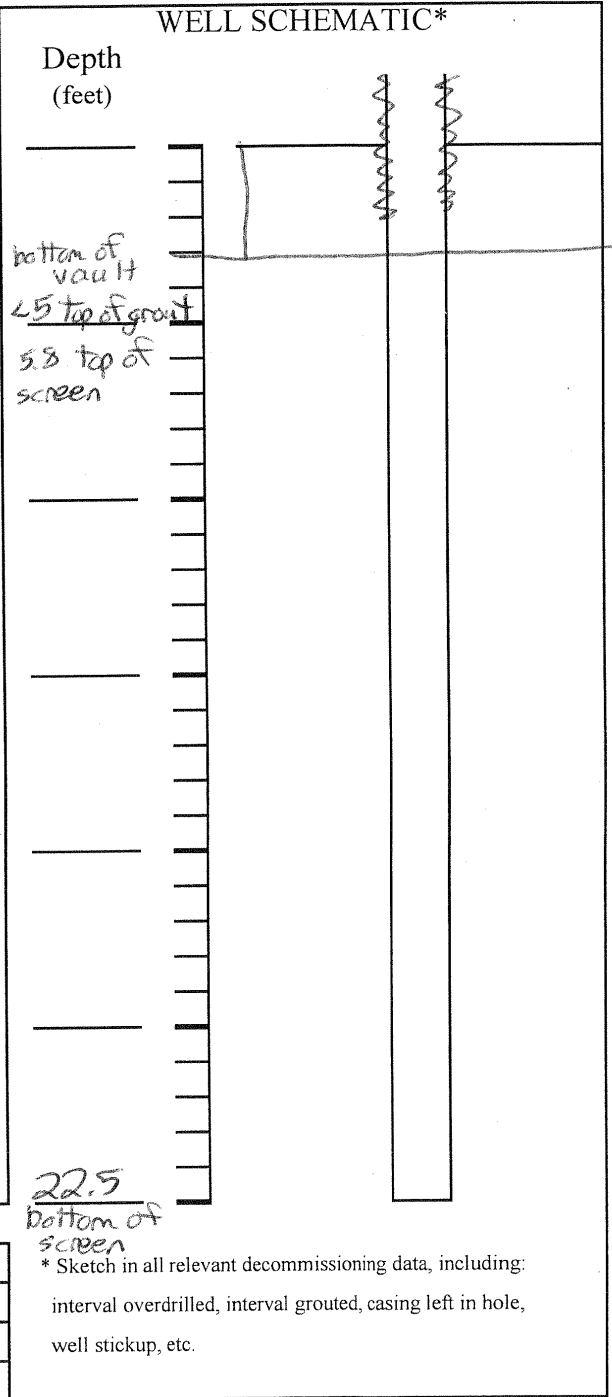
Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>FW-S-5</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/13/18</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBS)	<i>45-225</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>25</i>		
COMMENTS: <i>and 1" piezometer</i>			



* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>EW-S-6</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/13/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<u>45-22.4</u>		
# of batches prepared	<u>1</u>		
For each batch record:			
Quantity of water used (gal.)	<u>23</u>		
Quantity of cement used (lbs.)	<u>282</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>12</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~45</u>		
Volume of grout used (gal.)	<u>25</u>		
COMMENTS: <u>and 1" piezometer</u>		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well pickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>EW-S-7</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/13/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<u>4.5 - 22.5</u>		
# of batches prepared	<u>1</u>		
For each batch record:			
Quantity of water used (gal.)	<u>20</u>		
Quantity of cement used (lbs.)	<u>282</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>12</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~45</u>		
Volume of grout used (gal.)	<u>25</u>		
COMMENTS:		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>EW-S-8</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/13/10</u>

DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*
<u>OVERDRILLING</u> Interval Drilled <table border="1" style="width: 100%; height: 15px;"></table> Drilling Method(s) <table border="1" style="width: 100%; height: 15px;"></table> Borehole Dia. (in.) <table border="1" style="width: 100%; height: 15px;"></table> Temporary Casing Installed? (y/n) <table border="1" style="width: 100%; height: 15px;"></table> Depth temporary casing installed <table border="1" style="width: 100%; height: 15px;"></table> Casing type/dia. (in.) <table border="1" style="width: 100%; height: 15px;"></table> Method of installing <table border="1" style="width: 100%; height: 15px;"></table>	Depth (feet)
<u>CASING PULLING</u> Method employed <table border="1" style="width: 100%; height: 15px;"></table> Casing retrieved (feet) <table border="1" style="width: 100%; height: 15px;"></table> Casing type/dia. (in) <table border="1" style="width: 100%; height: 15px;"></table>	
<u>CASING PERFORATING</u> Equipment used <table border="1" style="width: 100%; height: 15px;"></table> Number of perforations/foot <table border="1" style="width: 100%; height: 15px;"></table> Size of perforations <table border="1" style="width: 100%; height: 15px;"></table> Interval perforated <table border="1" style="width: 100%; height: 15px;"></table>	
<u>GROUTING</u> Interval grouted (FBLs) <table border="1" style="width: 100%; height: 15px;"></table> # of batches prepared <table border="1" style="width: 100%; height: 15px;"></table> For each batch record: Quantity of water used (gal.) <table border="1" style="width: 100%; height: 15px;"></table> Quantity of cement used (lbs.) <table border="1" style="width: 100%; height: 15px;"></table> Cement type <table border="1" style="width: 100%; height: 15px;"></table> Quantity of bentonite used (lbs.) <table border="1" style="width: 100%; height: 15px;"></table> Quantity of calcium chloride used (lbs.) <table border="1" style="width: 100%; height: 15px;"></table> Volume of grout prepared (gal.) <table border="1" style="width: 100%; height: 15px;"></table> Volume of grout used (gal.) <table border="1" style="width: 100%; height: 15px;"></table>	

COMMENTS: and 1" piezometer

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>EW-5-09</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/13/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<i>45-22.5</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>30</i>		
COMMENTS:		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>EW-5-10</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/13/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBLs)	<i>45-22.5</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>25</i>		
COMMENTS: <i>plus 1" piezometer</i>		<i>22.5'</i> <i>bottom of screen</i>	

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>EW-5-11</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (Fractec)</i>
	Date: <i>8/13/10</i>

DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*									
<u>OVERDRILLING</u> Interval Drilled <table border="1" style="width: 100%;"><tr><td> </td></tr></table> Drilling Method(s) <table border="1" style="width: 100%;"><tr><td> </td></tr></table> Borehole Dia. (in.) <table border="1" style="width: 100%;"><tr><td> </td></tr></table> Temporary Casing Installed? (y/n) <table border="1" style="width: 100%;"><tr><td> </td></tr></table> Depth temporary casing installed <table border="1" style="width: 100%;"><tr><td> </td></tr></table> Casing type/dia. (in.) <table border="1" style="width: 100%;"><tr><td> </td></tr></table> Method of installing <table border="1" style="width: 100%;"><tr><td> </td></tr></table>								Depth (feet)		
<u>CASING PULLING</u> Method employed <table border="1" style="width: 100%;"><tr><td> </td></tr></table> Casing retrieved (feet) <table border="1" style="width: 100%;"><tr><td> </td></tr></table> Casing type/dia. (in) <table border="1" style="width: 100%;"><tr><td> </td></tr></table>										
<u>CASING PERFORATING</u> Equipment used <table border="1" style="width: 100%;"><tr><td> </td></tr></table> Number of perforations/foot <table border="1" style="width: 100%;"><tr><td> </td></tr></table> Size of perforations <table border="1" style="width: 100%;"><tr><td> </td></tr></table> Interval perforated <table border="1" style="width: 100%;"><tr><td> </td></tr></table>										
<u>GROUTING</u> Interval grouted (FBLs) <table border="1" style="width: 100%;"><tr><td><i>45-22.5</i></td></tr></table> # of batches prepared <table border="1" style="width: 100%;"><tr><td><i>1</i></td></tr></table> For each batch record: Quantity of water used (gal.) <table border="1" style="width: 100%;"><tr><td><i>23</i></td></tr></table> Quantity of cement used (lbs.) <table border="1" style="width: 100%;"><tr><td><i>282</i></td></tr></table> Cement type <table border="1" style="width: 100%;"><tr><td><i>portland</i></td></tr></table> Quantity of bentonite used (lbs.) <table border="1" style="width: 100%;"><tr><td><i>12</i></td></tr></table> Quantity of calcium chloride used (lbs.) <table border="1" style="width: 100%;"><tr><td><i>—</i></td></tr></table> Volume of grout prepared (gal.) <table border="1" style="width: 100%;"><tr><td><i>~45</i></td></tr></table> Volume of grout used (gal.) <table border="1" style="width: 100%;"><tr><td><i>12</i></td></tr></table>	<i>45-22.5</i>	<i>1</i>	<i>23</i>	<i>282</i>	<i>portland</i>	<i>12</i>	<i>—</i>	<i>~45</i>	<i>12</i>	22.5 bottom of screen
<i>45-22.5</i>										
<i>1</i>										
<i>23</i>										
<i>282</i>										
<i>portland</i>										
<i>12</i>										
<i>—</i>										
<i>~45</i>										
<i>12</i>										

COMMENTS: *plus 1" piezometer*

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>EW-S-12</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf</i>
	Date: <i>8/13/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
OVERDRILLING			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
CASING PULLING			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
CASING PERFORATING			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
GROUTING			
Interval grouted (FBLs)	<i>45-223</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>7</i>		
COMMENTS: <i>and 1" piezometer</i>		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>EW-S-13</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/13/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet)	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<i>25-22</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>15</i>		
COMMENTS: <i>plus 1" piezometer</i>			

WELL SCHEMATIC*

Depth
(feet)

bottom of vault
 25' top of grout
 6' top of screen

22'
 bottom of screen

* Sketch in all relevant decommissioning data, including:
 interval overdrilled, interval grouted, casing left in hole,
 well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>EW-S-14</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney WDF (MACTEC)</i>
	Date: <i>8/13/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	<i>L5-22</i>		
# of batches prepared	<i>1</i>		
<u>For each batch record:</u>			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>12</i>		
COMMENTS:		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: <u>Former Taylor Instruments</u>	Well I.D.: <u>EW-S-15</u>
Site Location: <u>Rochester, NY</u>	Driller: <u>Pat Bliet</u>
Drilling Co.: <u>Matrix Environmental</u>	Inspector: <u>Courtney Wolf (MACTEC)</u>
	Date: <u>8/13/10</u>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBS)	<u>4.5-21.8</u>		
# of batches prepared	<u>1</u>		
For each batch record:			
Quantity of water used (gal.)	<u>23</u>		
Quantity of cement used (lbs.)	<u>282</u>		
Cement type	<u>portland</u>		
Quantity of bentonite used (lbs.)	<u>12</u>		
Quantity of calcium chloride used (lbs.)	<u>—</u>		
Volume of grout prepared (gal.)	<u>~45</u>		
Volume of grout used (gal.)	<u>10</u>		
COMMENTS: <u>and 1" piezometer</u>		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: <i>Former Taylor Instruments</i>	Well I.D.: <i>EW-5-16</i>
Site Location: <i>Rochester, NY</i>	Driller: <i>Pat Bliet</i>
Drilling Co.: <i>Matrix Environmental</i>	Inspector: <i>Courtney Wolf (MACTEC)</i>
	Date: <i>8/13/10</i>

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBS)	<i>25-21.3</i>		
# of batches prepared	<i>1</i>		
For each batch record:			
Quantity of water used (gal.)	<i>23</i>		
Quantity of cement used (lbs.)	<i>282</i>		
Cement type	<i>portland</i>		
Quantity of bentonite used (lbs.)	<i>12</i>		
Quantity of calcium chloride used (lbs.)	<i>—</i>		
Volume of grout prepared (gal.)	<i>~45</i>		
Volume of grout used (gal.)	<i>12</i>		
COMMENTS: <i>and 1" piezometer</i>		* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.	

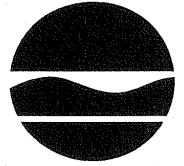
Drilling Contractor

Department Representative

APPENDIX D

**NYSDEC CONTAINED-IN DETERMINATION
LETTER AND MANIFEST**

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 11th Floor
625 Broadway, Albany, NY 12233-7015
Phone: (518) 402-9622 • **FAX:** (518) 402-9627
Website: www.dec.ny.gov



Alexander B. Grannis
Commissioner

October 5, 2010

Mr. Ricky A. Ryan, P.E.
Principal Project Manager
MACTEC Engineering and Consulting, Inc
9725 Cogdill Road
Knoxville, TN 37932

Re: Request for Non-Hazardous Determination
Sediment Collected From the Former Taylor Instruments Site
Rochester, New York
VCA Index #B8-0508-97-02
MACTEC Project Number 3031052006115

Dear Mr. Ryan:

We have completed our review of the soil sampling data submitted with your October 1st request for a "contained-in" determination for the referenced project.

Concentrations for trichloroethene, 1,1-dichloroethylene, cis-1,2-dichloroethene, trans-1,2-dichloroethylene, and vinyl chloride were below the soil "contained in" action level and the Land Disposal Restriction concentration. Therefore, one (1) 55 gallon drums containing sediment generated during decommissioning of the remedial system at the Site do not have to be managed as a hazardous waste and can be transported off site to a permitted solid waste landfill with a liner and leachate collection system, please provide the Department the name and address of the facility that will receive it.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9622 or email me at hjwilkie@gw.dec.state.ny.us.

Sincerely,

Henry Wilkie
Environmental Engineer 1
Remedial Section B

(4)

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number NY D 0 0 2 2 1 1 4 1 5	2. Page 1 of 1	3. Emergency Response Phone (800) 424-9300	4. Waste Tracking Number 00123331 <i>KSO</i>
5. Generator's Name and Mailing Address ABB INC C/O MACTEC INC. Attn: Joe Deatherage 9226 COGDILL ROAD KNOXVILLE TN 37932 Generator's Phone: (865) 218-1049			Generator's Site Address (if different than mailing address) COMBUSTION ENGINEERING INC / ABB, INC. 95 AMES ST ROCHESTER NY 14611-2148		
6. Transporter 1 Company Name Frank's Vacuum Truck Service			U.S. EPA ID Number NYD982792814		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107 Facility's Phone: (716) 286-1550			U.S. EPA ID Number NY D 0 4 9 8 3 6 6 7 9		
9. Waste Shipping Name and Description 1. NON REGULATED MATERIAL 107226NY		10. Containers		11. Total Quantity 300	12. Unit Wt./Vol. LB
		No. 1 <i>KSO</i>	Type DM <i>KSO</i>		
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information 1. 107226NY - SEDIMENT ER SERVICE CONTRACTED BY WASTE MANAGEMENT 86643172					
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Generator's/Officer's Printed/Typed Name Ricky A. Ryan, Agent for Combustion Engr / ABB Inc			Signature <i>Ricky A. Ryan</i>		Month Day Year 12 9 10
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Edward Ubiles			Signature <i>Edward Ubiles</i>		Month Day Year 12 15 10
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
17b. Alternate Facility (or Generator)			Manifest Reference Number: _____ U.S. EPA ID Number		
Facility's Phone: _____					
17c. Signature of Alternate Facility (or Generator)			Month Day Year		
H141					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name Richard La BEND			Signature <i>Richard La BEND</i>		Month Day Year 12 16 10