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:

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MACTEC PROJECT 3031052006-11

December 2010



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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 #

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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 RWP	Revised Work Plan for Accelerated Bioremediation and Permanent Decommissioning of the Remedial Treatment System (MACTEC, 2010) Remedial Work Plan (Harding Lawson Associates, 2000b)
SMP	Soil Management Plan (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 VOC	Voluntary Cleanup Agreement 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.

	Approximate Injection Depth Interval (feet bls) ¹	Number of Injection Points	Approximate 3DMe [®] Volume		HRC Primer [®]	
Area			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.

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

Notes: bls = below land surface $HRC^{\ensuremath{\mathbb{R}}}$ = hydrogen release compound NA = not applicable $3DME^{\ensuremath{\mathbb{R}}}$ = 3-D Microemulsion[®] Checked by/Date: CRW 11/23/10

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 eve, 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

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- Harding Lawson Associates, 2000a. Final Engineering Report On-Site Storm Sewers, Taylor Instruments Site, Rochester, New York. Prepared for Combustion Engineering. January.
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- 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







Checked by: CRW 11/28/10





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°35'45" west along the centerline of abandoned Hague Street, a distance of 859.89 feet to a point,

2. Thence north 75°47'52" east, a distance of 356 20 feet to a point;

3 Thence south 00°43'25" east, a distance of 1 03 feet to a point,

4 Thence north 75°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°15'25" east along the westerly street line of Ames Street, a distance of 256.04 feet to a point;

7. Thence south 89°24'15" east, a distance of 5.00 feet to a point,

8. Thence south 00°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°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	
City Name TIT TIT	Well ID: ML) -00
Sile Name. Taylor Instruments - Jormer	Drillon Port Blight
Site Location: Rochesler NY	Driner. Tal Diek
Drilling Co.: Matrix	Inspector: Courrey Wort (MITCIEC)
	Date: 0/ 1 /10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Depth temporary casing installed	
Casing type/dia (in)	
Method of installing	
CASING'PULLING	
Method employed	
Casing retrieved (feet)	
CASING PERFORATING	
Equipment used	25 grout
Number of perforations/foot	gine
Size of perforations	5'scheen
Interval perforated	
GROUTING	
Interval grouted (FBLS) $25 - 10$	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.) 15.6	
Quantity of cement used (lbs.)	
Oughtity of bentonite used (lbs)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 30	pottom scheen
Volume of grout used (gal.) 5	
	_
COMMENTS:	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.

Drilling Contractor

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Department Representative

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FIGURE 3	
WELL DECOMMISSIONING RECORD	
Site Name: Forman Taylon Tostruments	Well I.D.: T_{4} - 0
Site Leastion On L ton All	Driller: Pat Blick
Sile Location. Rochester, Ny	Increator: Caster () HE (MACTER)
Drilling Co.: Majnix Environmental	mspecior. (ourney wer unreley)
	Date: D/11/10
	WELL SCHEMATIC*
(Eillin all that apply)	Denth
(Fill ill all that apply)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borenole Dia. (in.)	
Denth temporary assing installed	154.0
C in temporary casing instance	
Casing type/dia. (in.)	groat _
Method of installing	—
CASING DULLING	
Method employed	
Cooing retrieved (feet)	
Casing tune/dia (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS) $45 - 22$	SCREED
# of batches prenared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type Our Land	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 30	
Volume of grout used (gal.)	
	bottom of
COMMENTS	Scheen * Sketch in all relevant decommissioning data, including:
	interval overdrilled interval grouted casing left in hole
	well stickup ate
	wen stickup, etc.
Ki / Alla	
	Department Representative

Drilling Contractor

Department Rep

EIGURE 3	
WELL DECOMMISSIONING RECORD	
WELL DECOMINISSIONING RECORD	
Site Name: Eumen Taulan Tastauments	Well I.D.: T()-07
Site Logation: Packarta NV	Driller: Pat Bliek
Dilling Con Out: Engine atali	Inspector: Countagen () DE (macTEC)
Drilling Co.: Maria Cariconmenia	Date: Salas
	Date. 07110
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (In.)	
Depth temporary casing installed	25 topot
Casing type/dia. (in.)	grout
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (reet)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS) $45 - 125$	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (Ibs.)	12.9 70001
Overtity of hertonite used (lbs)	screen
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	17.5
	Pottom of SCIMPA
COMMENTS:	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
1	well stickup, etc.
XII L. MAN	
Durling Contractor	Department Representative
FIGURE 3 WELL DECOMMISSIONING RECORD	
---	--
Site Name: Econer Taular Tastruments	Well I.D.: $T(\omega - 13)$
Site Location: Rochester NV	Driller: Pot Bliek
Drilling Co.: Matrix	Inspector: Courtney Wdf (MACTEC)
	Date: 8/9/10
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) # of batches prepared For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.)	Date: 8/9/10 WELL SCHEMATIC* Depth (feet) <u>L5 groat</u> <u>IO</u> Screenel interval
Cement typepscTlandQuantity of bentonite used (lbs.)8Quantity of calcium chloride used (lbs.)	bottom of screen 15
COMMENTS	* Sketch in all relevant decommissioning data, including:

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

Brilling Contractor

FIGURE 3	
WELL DECOMMISSIONING RECORD	

Site Name: Former Taulor Instruments	Well I.D.: The -74
Site Location: Rochester NY	Driller: Pat Bliek
Drilling Co.: Matrix Environmental	Inspector: Countrey Wolf (MACTEC)
	Date: 8/9/10

DECOMMISSIONING	DATA		WELL SCHEMATIC*
(Fill in all that appl	y)	Depth	
	• •	(feet)	
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	6	5 700	
Casing retrieved (feet)		arout	
Casing type/dia. (in)		0	
	K-constant of the state of the		
CASING PERFORATING			
Equipment used		7.5 to	of
Number of perforations/foot		screen	
Size of perforations			
Interval perforated			
GROUTING			_
Interval grouted (FBLS)	45-15		
# of batches prepared			
For each batch record:	A water		
Quantity of water used (gal.)	155		
Quantity of cement used (lbs.)	108		
Cement type	portland		
Quantity of bentonite used (lbs.)	· 8		-
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)	15-	15	
Volume of grout used (gal.)	~7.7	1 hottom of	
		J SCREA	
COMMENTS:	an de service and an anna an an anna an an anna an an anna an an	* Sketch in	all relevant decommissioning data, including:
		interval ov	erdrilled, interval grouted, casing left in hole,
	and the second	well sticku	ıp, etc.

Drilling Contractor

WELL DECOMINIISSIONING RECORD	
Sita Nama: Econo Tarle Tastarianate	Well I.D.: 08-05
Site Name. Of the raylor 10 mumeris	Driller: Pot Blick
Site Location: Rochester, 1V9	Inspector: (a tage ()) + (mA (TEC))
Drilling Co.: Majnix Environmental	Deter glaure
	Date: 5/1/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borenole Dia. (in.)	24' top of groat
Denth temporary casing installed	41 too of
Casing type/dia (in)	<u>screen</u>
Method of installing	
CASING PULLING	
Method employed	IIII
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	
Quantity of water used (gal)	
Ouantity of cement used (lbs.)	
Cement type worthand	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 30	
Volume of grout used (gal.) 5,5	
	J SCREPA
COMMENTS:	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
the Alexander	
THE LI- THER	
Drilling Contractor	Department Representative

FIGURE 3	
WELL DECOMMISSIONING RECORD	
C'ANDE TI TITUTE	WellID: 08-07
Site Name: Former 1aylor LASiruments	Driller: Pat Blick
Site Location: Rahesler NY	Inspector: C at a Chiff (mACTED)
Drilling Co.: Matrix Environmental	Inspector. Calina Wor (Innerwy
	Date: 0/1///
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Depth temporary casing installed	(5 tag
Cosing type/dia (in)	of arout
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASDIC DEPEODATING	
Equipment used	10.2 to -
Number of perforations/foot	of scheep
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS) $25 - 20.5$	
# of batches prepared	· · · · · · · · · · · · · · · · ·
For each batch record:	
Quantity of cement used (lbs.)	
Cement type Outload	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 30	
Volume of grout used (gal.) 6	
	VOTION OT SCNEED
COMMENTS:	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
Mi / Mi	
11/10 1 1 ⁻ 11/1/hh	
Brilling Contractor	Department Representative

FIGURE 3	
WELL DECOMMISSIONING RECORD	
Site Name: France Taulas Tastaumonts	Well I.D.: 0B-09
Site Location: On hotan M/V	Driller: Pat Blick
Drilling Co: Matin Failogana atal	Inspector: Quatren Wot (MACTEC)
Drining Co 17/a/nx UNONMENTAS	Date: $8/9/10$
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	15 to S
Casing type/dia (in)	grout
Method of installing	
CASING PULLING Mothed ampleyed	
Casing retrieved (feet)	-
Casing type/dia. (in)	
CASING PERFORATING	123 +
Number of perforations/foot	of schepp
Size of perforations	
Interval perforated	
CDOUTDIC	
Interval grouted (FBLS) 25-735	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.) <u>15</u>	
Cement type	
Ouantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~30	
volume of grout used (gal.)	Dottom of
COMMENTS	Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
Hi. H.	
THA //· TIMA	

Department Representative

Brilling Contractor

FIGURE 3	1
WELL DECOMMISSIONING RECORD	
	<u>ـ</u> ـــــــــــــــــــــــــــــــــــ
Site Name: Former Trules Tastruments	Well I.D.: W-
Site Location: Parker tao NIX	Driller: Pat Blick
Drilling Co: Matein Evigence tel	Inspector: Cantaga Cost Macter
Drining co I Carrie Gviron mental	Date: 3/11/10
	Date. 011110
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (In.)	
Depth temporary casing installed	
Casing type/dia (in)	
Method of installing	
CASING PULLING	
Method employed	15 grout
Casing retrieved (feet)	line
Casing type/dia. (in)	
CASING PERFORATING	7 to f
Number of perforations/foot	Screen
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS) $\angle 5 - 14$	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Oughtity of hentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 30	
Volume of grout used (gal.)	14
	bittom of
COMMENTS: stickup mation of cosing remained	* Sketch in all relevant decommissioning data, including:
backer of about 3' ble	interval overdrilled, interval grouted, casing left in hole,
MOTOR DTT ADOUT - + U	well stickup, etc.
the the the the test of test o	
ATTA 1 HATA.	
	Department Representative
Drilling Contractor	Department representative

FIGURE 3	
WELL DECOMMISSIONING RECORD	
Site Name: Former laylor Instruments	well I.D.: $W = \mathcal{A}$
Site Location: Rochester, NY	Driller: Pat Diek
Drilling Co.: Matrix Environmental	Inspector: Courtney Cubit (MACTEC
	Date: 8/11/10 0
	WELL SCHEMATIC*
(Fill in all that apply)	Depth
(I'III III all that apply)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	2 1
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	15 m t -
Method employed	- grow
Casing retrieved (feet)	11.10C
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	13 top of
Interval grouted (FBLS) 25-18	screen
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type portland	
Quantity of bentonite used (lbs.)	
Valume of grout propered (gel)	
Volume of grout used (gal.)	
	bottom of
COMMENTS: auto casi aulto D/taka aut	<i>Sc Nea</i> * Sketch in all relevant decommissioning data. including:
LE CE al ASIAG PULLER / STICKUP WEIL	interval overdrilled interval grouted casing left in hole
proken off pvc at ~ 3 pb	well etickup ate
A	wen suckup, etc.
the 1 the	
THA 1/, THAM	
Drilling Contractor	Department Representative

WELL DECOMMISSIONING RECORD	
C'AL E TI Tetu at	Well ID: (a) 3
Site Name: Former laylor Instruments	
Site Location: Rochester, NY	Driller: Val Bliek
Drilling Co.: Matrix Environmental	Inspector: Country Walt (MACTEC)
	Date: 3/4/10
	WELL SCHEMATIC*
DECOMMISSIONING DATA (Eill in all that apply)	Denth
(1 in in an that apply)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Cosing typo/dia (in)	<u>29 Topo</u>
Method of installing	givar _
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING DEDEODATING	——————————————————————————————————————
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	10 Topot
# of batches prepared	JCIEEN
For each batch record:	
Quantity of water used (gal.) 15	
Quantity of cement used (lbs.)	
Cement type portland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	21' bottom
Volume of grout used (gal.)	£2 -
	of screen
COMMENTS:	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
The THAN	
Drilling Contractor	Department Representative

FIGURE 3	
WELL DECOMMISSIONING RECORD	
WELL DECOMINISSIONING RECORD	
Site Name: Econon Taulon Tastruments	Well I.D.: (4)-4
Site Location: Rochaster AIV	Driller: Pat Blick
Drilling Con Matory Equippopulatel	Inspector: Caustania () DE (MACTEC)
Drilling co Training Eduction Medical	Date: 8/4/10
	Date. <u>OFTIO</u>
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Drilling Method(s)	
Borehole Dia (in)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	15 tapof
Casing type/dia. (in.)	grout
Method of installing	
CASING DUILI ING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Size of perforations	
Interval perforated	
GROUTING	21'top of
Interval grouted (FBLS) $45-26$	schéen
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Cement type protavd	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.) ~6	hotten of
COMMENTE: $\pm 1 \pm $	Scheen all relevant decommissioning date including:
CUIVILVIENTS: STORE OUTER CASING PULLED OF GRAND	interval overdrilled interval grouted casing left in hole
puc portion proken att apour 2 pls	well stickup etc
	wen stiekup, ett.
HI HA	1
In the contraction of the contra	Denartment Representative
#Drinng Contractor	Department Representative

FIGURE 3	
WELL DECOMMISSIONING RECORD	
Site Name: Former Taylor Instruments	Well I.D.: $W - 6$
Site Location: Rochester NY	Driller: Pat Bliek
Drilling Co.: Mataix Fairmannental	Inspector: Courtney Walf (MACTEC
	Date: 8/11/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	(foot)
OVERDRILLING	(leet)
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 DULLING	
Method employed	65 april -
Casing retrieved (feet)	line
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.) 23	21 0
Quantity of cement used (lbs.)	12 topot
Cement type portland	screen
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal)	
Volume of grout used (gal.)	15 httpm
	of scheen
COMMENTS:	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.

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Department Representative

Drilling Contractor

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FIGURE 3	
WELL DECOMINISSIONING RECORD	J
Site Name: Factore Taulos Tastauments	Well I.D.: BR-05
Site Leastion: Releaster MV	Driller: Pat Blick
Dilling	Inspector: Guintagen ID-H/MACTEC
Drilling Co.:	Date: \$19/10
	Date. Djyjje
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Borehole Dia (in)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	25 top of
Casing type/dia. (in.)	grout _
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING DEDEODATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
CDOUTDIC	
Interval grouted (FBLS)	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	man
Cement type	
Quantity of bentonite used (lbs.)	
Volume of grout prepared (gal.) ~ 60	
Volume of grout used (gal.)	49,9
	-
COMMENTS:	* Sketch in all relevant decommissioning data, including:

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

Department Representative

Drilling Contractor

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FIGURE 3			
WELL DECOMMISSIONING REC	CORD		
	- i	- - -	
Site Name: Former laybr Instr	uments	Well I.D.: 0K-06	1
Site Location: Rochester NY	م مر	Driller: at Blie	K
Drilling Co.: Matrix Environme	ntal	Inspector: Caurliney	Whit (MACTER)
		Date: 8/11/10	
DECOMMISSIONING (Fill in all that apply	DATA y)	WELL SCHE Depth (feet)	MATIC*
Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing		25 top of groat	
<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:	25-42.6		
Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.)	22 282 portland 12		
Volume of grout prepared (gal.) Volume of grout used (gal.)	~ 45 30	42.6	

COMMENTS: stick up 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.

FIGURE 3					
WELL DECOMMISSIONING REC	CORD				
	4 1		<u> 20. a</u>	$\overline{\sim}$	
Site Name: Former laylor In	struments	Well I.D.	$\frac{1}{0} + a + b$		
Site Location: Rachester, NV	si 1	Driller:	ral Dien	me/	and and
Drilling Co.: Matrix Environmen	Tal	Inspector	r: Countrey	<u>con (</u>	MACTEC
		Date:	819110		
DECOMMISSIONING	DATA		WELL SCHE	MATIC*	< . }
(Fill in all that appl	y)	Depth (feet)			
<u>OVERDRILLING</u>		-			
Interval Drilled					
Drilling Method(s)	·				
Temporary Casing Installed? (v/n)					
Depth temporary casing installed		US top of			
Casing type/dia. (in.)		grout			
Method of installing					
CASING PULLING					
Method employed			B)9525020		
Casing retrieved (feet)			—		
Casing type/dia. (iii)					
CASING PERFORATING					
Equipment used		-			
Number of perforations/foot					
Size of perforations					
intervar perforated			antista ja tai		· .
GROUTING	and the second				
Interval grouted (FBLS)	25-52.3				
For each batch record:					
Quantity of water used (gal.)	12				
Quantity of cement used (lbs.)	188		La contractoria de la contra		
Cement type	portland				
Quantity of calcium chloride used (lbs.)					
Volume of grout prepared (gal.)	~90				
Volume of grout used (gal.)	~70	<u>29.3</u>	005001034000]
	16 15 11 0	* 01 - 4 -1 - 1	Il relevent desembling	sioning data in	neluding
COMMENTS: used to batch w	The 19 gallons of	* Sketch in a	in relevant decommiss	ited casing lef	ft in hole
Water per 188 105 cement	puis 2 Darches		narmea, mervar grou	ica, cusing for	

casing cat of @ and surface

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antion &

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Drilling Contractor

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well stickup, etc.

FIGURE 3 WELL DECOMMISSIONING RECORD	
	WallID: BR-08
Site Name: Former Taylor Instruments	Driller: Pot Blick
Site Location: Rochester, NY	Driner: 121 Diek
Drilling Co.: Matrix Environmental	Inspector: Countreg Well (MACTEC)
l	Date: <u>8/11/10</u>
DECOMMISSIONING DATA (Fill in all that apply) OVERDRILLING	WELL SCHEMATIC* Depth (feet)
Interval Drilled	<u>25 top</u> of grout
CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in)	
CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated	
GROUTINGInterval grouted (FBLS)# of batches preparedJanuary	
For each batch record:Quantity of water used (gal.)20Quantity of cement used (lbs.)282Cement typepostlandQuantity of bentonite used (lbs.)12Quantity of calcium chloride used (lbs.)-90Volume of grout prepared (gal.)55	73.0

COMMENTS:

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

FIGURE 3	
WELL DECOMMISSIONING RECORD	
Sita Nama: Eagle Taylor Tastauropata	Well I.D.: BR-09
Site Lasstien: De Later All	Driller: Pat Blick
Dilling Contraction Training to 1	Inspector: Quatappa (Dolf (MACTEC)
Drilling Co.: Malnix Cavinonmentar	Date: 5/11/10 - 8/13/10
	Date. Diffic Gibito
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(Ieet)
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	15t.f
Casing type/dia (in)	amut
Method of installing	gioai
CASING PULLING	
Method employed	
Casing type/dia (in)	
CASING PERFORATING	
Equipment used	
Size of perforations	
Interval perforated	
GROUTING	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.) 282	
Quantity of bentonite used (lbs)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ ?()	
Volume of grout used (gal.) ~ 90	41.0
	-

COMMENTS: 3 batches in 8/11/10 let set up before pumping more 2.5 batches 8/13/10

77K)

Drilling Contractor

* 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: Early To La Tata and	Well I.D.: BR - 11
Site Logation: Daylog Lagor Libitwhenis	Driller: Pat Bliek
Drilling Co: Mit Europe and tel	Inspector: Countage Godt (MACTED)
Drilling Co Pranta Environmental	Date: SIIIIO
	Date: 0/11/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	15-150-
Casing type/dia (in)	starrut
Method of installing	
CASING PULLING Mathad amplayed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Number of perforations/foot	
Size of perforations	
Interval perforated	
CROUTING	
Interval grouted (FBLS)	
# of batches prepared 3	
For each batch record:	
Quantity of water used (gal.) 15,23,12	
Quantity of cement used (lbs.)	
Ouantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.) 1/5	
COMMENTS. 3 100 + :++	* Sketch in all relevant decommissioning data including
CUMIMENTS: 2 different mixings	sketon in an relevant decommissioning data, merdung.

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

Department Representative

Drilling Contractor

	FIGURE 3
WELL DE	ECOMMISSIONING RECORD

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

DECOMMISSIONING	DATA		WELL SCHEMA	LIC*	
(Fill in all that apply	y)	Depth	1	1	
		(feet)			
OVERDRILLING					
Interval Drilled					
Drilling Method(s)					
Borehole Dia. (in.)					
Temporary Casing Installed? (y/n)		15+ 5			
Depth temporary casing installed		<u>201000</u>	accounter.		
Casing type/dia. (in.)		groui			
Method of installing					
<u>CASING PULLING</u> Method employed					
Casing retrieved (feet)		generation of the second second	Bendingson		
Casing type/dia (in)					
Cashig typerata. (iii)					
CASING PERFORATING					
Equipment used					
Number of perforations/foot					
Size of perforations					
Interval perforated					
GROUTING		· ·			
Interval grouted (FBLS)	25-42				
# of batches prepared	3				
For each batch record:					
Quantity of water used (gal.)	12 and 13				
Quantity of cement used (lbs.)	10 8	No. of Concession, Name of Street, Str			
Cement type	prilana				
Quantity of perior chloride used (lbs.)				· · · ·	
Volume of grout prepared (gal)	NIGO				
Volume of grout used (gal.)	~100	42'			
L'oranie or Broar abou (Barr)		<u>_</u>	- preconcent	baaronameen een een een een een een een een een	

COMMENTS:	batch	land	whatwa	1 left à	Forevious
batch with	Rgal i	Jater	next2	batches	with
15 gallons	water	/			
0	/		H.		****
	<u>L</u> -	Th	HA		
Drilling Contractor		70			

* 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.: BR-13
Site Location: Rochester NY	Driller: Pat Bliek
Drilling Co.: Matrix Environmental	Inspector: GurTrey List (MACTEC)
	Date: 8/9/10 and 8/11/10
	WELL SCHEMATIC*
(Fill in all that apply)	Depth
(1 m m an that apply)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Temporary Casing Installed? (v/n)	
Depth temporary casing installed	45 topof
Casing type/dia. (in.)	grout _
Method of installing	
CASING PUILLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFOR ATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared 5	
For each batch record:	
Quantity of water used (gal.)	
Cement type portland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout used (gal.) ~ 200	67.5
COMMENTS: mixed 3 batches - letsit	* Sketch in all relevant decommissioning data, including:
added ~10gal at end of day \$/9/10	interval overdrilled, interval grouted, casing left in hole,
switched to 20gal HDO, 282 lbs rement, 12 lbs benton	te well stickup, etc.

Department Representative

Drilling Contractor

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FIGURE 3	
WELL DECOMMISSIONING RECORD	
	RO M
Site Name: Former Taylor Instruments	Well I.D.: DK - 14
Site Location: Rochester, NV	Driller: Pat Bliek
Drilling Co.: Matrix Environmental	Inspector: Gurtney ubt (Mactec)
	Date: $8/9/10^{0}$
	WELL SCHEMATIC*
DECOMMISSIONING DATA	WELL SCHEMATIC
(Fill in all that apply)	(feet)
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	<u>29 grout</u>
Casing type/dia. (in.)	
Method of installing	
CASING PUILLING	
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) $(5^{\prime}-75.3^{\prime})$	
# of batches prepared	
For each batch record:	`
Quantity of water used (gal.) 15.6	
Quantity of cement used (lbs.)	
Cement type portland	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 90	
Volume of grout used (gal.)	75.3

COMMENTS: mixed new batch during granting -batch too thin - make thisker batch for BR-14 (only 15 gallow water per 2 bags

Drilling Contractor

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

FIGURE 3	
WELL DECOMMISSIONING RECORD	
	$\rho = \rho \rho \rho$
Site Name: Former Taylor Jastruments	Well I.D.: DK 13
Site Location: Rochester, NY	Driller: Pat Bliek
Drilling Co: Matrix Environmental	Inspector: Country Wdf (MACTEC)
Drining com <u>Franking</u> Division Char	Date: 8/9/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	25 top or
Casing type/dia. (in.)	gioat _
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)	
# 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.)	55
Volume of grout used (gal.)	
COMMENTS: mixed 2nd patch thicker	* Sketch in all relevant decommissioning data, including:
3rd batch 4th batch 5th batches /12 gal) +	Kickness interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
1	
<hr/>	
Drilling Contractor	Department Representative
Drynnig Condation - /	

WELL DECOMINISSIONING RECORD	
Site Name: France Taulos Tostaunests	Well I.D.: BR-17
Site Location: Rochector AIV	Driller: Pat Bliet
Drilling Co: Matin Faultria and tal	Inspector: Countree Wolf (MACTED
Dinning Co THATAK GUIDAMEATA	Date: 8/11/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	15 to F
Cosing type/dia (in)	20 1000 -
Method of installing	900ai
CASING PULLING	
Method employed	
Casing retrieved (feet)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
GROUTING	
Interval grouted (FBLS) $25-52$	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.) 282	
Cement type Cement used (1997)	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 135	
Volume of grout used (gal.) ~120	
COMMENTS	* Sketch in all relevant decommissioning data, including:

* Sketch in all interval overd well stickup, e

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

Drulling Contractor

	FIGURE 3
WELL D	ECOMMISSIONING RECORD

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Drilling Contractor

Site Name: Farmer Taylor Instruments	Well I.D.: $VW - N - I$
Site Location: Rochester NY	Driller: Pat Bliek
Drilling Co.: Matrix Environmental	Inspector: Country Libt (MACTEC)
	Date: 8/10/10

DECOMMISSIONING	DATA	WEI	LL SCHEMATIC*
(Fill in all that appl)	y)	Depth	
		(feet)	- \$ \$
OVERDRILLING			} &
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)		bottom of	
Temporary Casing Installed? (v/n)		vautt	anter your generation of a substantial state of a
Depth temporary casing installed		15 top of project	
Casing type/dia. (in.)		Sat tool	
Method of installing		SCIPPA	
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)	25-25.3		
# of batches prepared			
For each batch record:			
Ouantity of water used (gal.)	23		
Quantity of cement used (lbs.)	282		
Cement type	orithand		
Ouantity of bentonite used (lbs.)	12		
Ouantity of calcium chloride used (lbs.)	1. 75565100000		
Volume of grout prepared (gal.)	~ 45		
Volume of grout used (gal.)	~6	25.3	
	dy and an optime (Ministering and Ministering and Antonian and an and an and an and an an and an and an an and	bottom of	
COMMENTS:		* Sketch in all releva	ant decommissioning data, including:
	an a	interval overdrilled	interval grouted casing left in hole.
		- well stickup sto	,,,,,
		wen suckup, etc.	

FIGURE 3	
WELL DECOMMISSIONING RECORD	
Site Name: Former Taylor Instruments	Well I.D.: VW-N-2
Site Location: Rochester, NY	Driller: Pat Bliek
Drilling Co.: Matrix Environmental	Inspector: Courtney Wdf (MACTEC)
	Date: 8/10/10
	WELL SCHEMATIC*
(Fill in all that apply)	Depth
(1 m m und upply)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	bottom of 7 P
Temporary Casing Installed? (v/n)	Vault
Depth temporary casing installed	25 top of
Casing type/dia. (in.)	grout
Method of installing	
CASING PULLING	78' top of -
Method employed	Screen
Casing retrieved (feet)	
Casing type/dia. (in)	
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.) 23	
Quantity of cement used (los.)	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 45	
Volume of grout used (gal.) ~6 gal	Dotton R
COMMENTS	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
A A	
The 1 - MA	

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FIGURE 3	
WELL DECOMMISSIONING RECORD	
Site Name: Econor Tuylon Tasta ments	Well I.D.: $\sqrt{W} - N - 3$
Site Location: Rachaston NV	Driller: Pat Bliels
Drilling Co: Vartain Fail anneated	Inspector: (ountrey Wolf (MACTEC)
Diffining Co Matrix LANTENMETRA	Date: 8/10/10
DECOMMISSIONING DATA	WELL SCHEMATIC"
(Fill in all that apply)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	bottom of -
Depth temporary casing installed	25 to of
Casing type/dia. (in.)	grout
Method of installing	5.8 10000
	screen
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	
For each batch record:	
Quantity of water used (gal.) 22	
Cement type ortland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 45	2581
volume of grout used (gal.)	Dottom of
COMMENTS:	 SCREA * Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
AT AT	
THAT I I I WAA	
Brilling Contractor	Department Representative

FIGURE 3	
WELL DECOMMISSIONING RECORD	
	Well LD $(M/J) = \Lambda / - I/J$
Site Name: Former by for Instruments	$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} = 1$
Site Location: Rochester, NY	Driller: Vat Blick
Drilling Co.: Matrix Environmental	Inspector: Laurhey Wolt (MACTEC)
	Date: 8/10/10
	WELL SCHEMATIC*
DECOMMISSIONING DATA	WELL SCHEMATIC
(Fill in all that apply)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	Vault
Depth temporary casing installed	45 top of
Casing type/dia. (in.)	grout
Method of installing	
	24 top ot
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING DEDEORATING	
Fauinment 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.) 23	
Quantity of cement used (lbs.) 282	
Cement type portland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	— I I
Volume of grout prepared (gal.)	274'
	Datton of
COMMENTS	Screen * Screen
COMIMENTS:	interval overdrilled interval grouted casing left in hole
	Interval overdimen, interval grouted, casing fert in noie,
	well stickup, etc.
L + / / / / / / / / /	
KU 1/ HHAP	
Brilling Contractor	Department Representative
F.	

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FIGURE 3	
WELL DECOMMISSIONING RECORD	
	WILLD MAD ALS
Site Name: Former Taylor Instruments	Well I.D.: $VU - V - 5$
Site Location: Rochester, NY	Driller: Yat Blick
Drilling Co.: Matrix Environmental	Inspector: Can They Wat (MACTEC)
	Date: 8/10/10
	WELL SCHEMATIC*
DECOMMISSIONING DATA	WELL SCHEWATIC
(Fill in all that apply)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	bottomot
Temporary Casing Installed? (y/n)	Vault
Depth temporary casing installed	25 top of grout
Casing type/dia. (in.)	5.8' tap of -
Method of installing	scheen
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.) 23	
Quantity of cement used (lbs.) 282	
Cement type portland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout used (gal.) $\sim \sqrt{95}$	258'
	Datton of
COMMENTS	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
All ATA	
THI // ITHP	Department Representative
Drilling Contractor	Department Representative

FIGURE 3	
WELL DECOMMISSIONING RECORD	
WELL DECOMINISSION (CHECOLD	
Site Name: Econora Tailea Tastrimente	Well I.D.: $VW - N - 6$
Site Leastion Or the AM	Driller: Pat Bliek
Sile Location: Rockesler, Ny	Inspector: Quatary Wolt (MACTES)
Drilling Co.: Mainix Churchmental	Date: Sholio
	Date. 0/0/10
	WELL SCHEMATIC*
(Fill in all that apply)	Depth
(1 ^m in an that appry)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Porchole Dia (in)	
Dotenote Dia. (iii.) \Box	
Denth temporary casing installed	battan of
Cosing type/dia (in)	Vault
Method of installing	
	15 top of
CASING PULLING	grout
Method employed	52 too of
Cosing retrieved (feet)	Screen
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.) 23	
Quantity of cement used (lbs.)	
Cement type Partland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.) ~5	<u>, 25.2</u>
	Dottom of
COMMENTS:	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
1 1/1	1
La Alla	
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Drilling Contractor

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WELL DECOMMISSIONING RECORD	
Site Name: For mer Taylor Jostryments	Well I.D.: VW -N -7
Site Location: Rochester NX	Driller: lat Bliek
Drilling Co: Mataix Equipmental	Inspector: Country Widt (MACTEC)
	Date: 8/10/18
	10-10-
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth (frat)
	(reet)
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	bitomot
Depth temporary casing installed	
Casing type/dia. (in.)	as not a groun
	5.1 top of -
CASING PULLING	Jeiven
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
$\frac{ GROUTING }{ I }$	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.) 23	
Quantity of cement used (lbs.)	
Cement type portland	
Quantity of bentonite used (lbs.)	
Volume of grout prepared (gal)	
Volume of grout used (gal.) $\sim \delta$	25, -
	bottom of
COMMENTS:	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
NA 1/- AM	

Drilling Contractor

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FIGURE 3	
WELL DECOMMISSIONING RECORD	
city E to to to to	Well $ID: M/// - S - 1$
Site Name: Ormer layor Instruments	Duillan Rot Blat
Site Location: Rochester, NY	Driller: Val Diek
Drilling Co.: Matrix Environmental	Inspector: Cour neg Cubit (MHCIEC)
	Date: 0//3//0
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	bellom vaurt
Depth temporary casing installed	445 to f
Cosing type/dia (in)	Scheen
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of cement used (lbs)	
Cement type	
Ouantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	24,45
	Bellom ST J Scheen
COMMENTS:	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
MA I/ THA	
Drilling Contractor	Department Representative

FIGURE 3	
WELL DECOMMISSIONING RECORD	
Cita Nama T [Tata and to	Well ID: $V (\omega) - S - 2$
Site Landier Only The Ally	Driller: Pat Blick
Site Location: Rochester, Ny	Inspector: Constant (1) MACTEC
Drilling Co.: Matrix Environmental	Deta: \$13
	Date: 8/12
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Borehole Dia. (in.)	bottom of vault
Temporary Casing Installed? (y/n)	24 top growt
Depth temporary casing installed	4.25 topof
Casing type/dia. (in.)	scheen
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)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Volume of grout prepared (gal) ~ 45	
Volume of grout used (gal.)	24.25
	bottom of screen
COMMENTS:	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.

Department Representative

Drilling Contractor

P	1 1 1
FIGURE 3	
WELL DECOMMISSIONING RECORD	
	Well $ID \cdot \frac{1}{2}$
Site Name: Tormer Jaylor Instruments	Duillon Pot Black
Site Location: Kochester, 109	Driller. Val Diek
Drilling Co.: Matrix Environmental	Inspector: Courtien Libit (MHCIEC)
	Date: 8/13/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Borehole Dia (in.)	
Temporary Casing Installed? (y/n)	Dottom & Sault
Depth temporary casing installed	L5 topof grout
Casing type/dia. (in.)	5.5 top of
Method of installing	scheen
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING DEDEODATING	
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.)	
Cement type	
Ouantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 45	
Volume of grout used (gal.) 6	Pattern of
COMMENTS	Scheen
	interval overdrilled interval grouted casing left in hole
	well stickup, etc.
the 1 Alle	
Drilling Contractor	Department Representative

FIGURE 3	
WELL DECOMMISSIONING RECORD	
	La Alla e Il
Site Name: Former Taylor Instruments	Well I.D.: VW-3-9
Site Location: Rochester NY	Driller: Vat Bliek
Drilling Co.: Matrix Environmental	Inspector: (autrey Wolt (MACTEC)
	Date: 8/13/10
	WELL SCHEMATIC*
DECOMMISSIONING DATA	Denth
(Fill in all that apply)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	ill to not t
Temporary Casing Installed? (y/n)	24 100 grout
Contract temporary casing installed	SCREA
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	
CROUTING	
$\frac{\text{GROUTINO}}{\text{Interval grouted (FBLS)}}$	
For each batch record:	
Quantity of water used (gal.) 23	
Quantity of cement used (lbs.)	
Cement type portland	
Quantity of bentonite used (lbs.)	
Volume of grout prepared (gal.) ~ 45	
Volume of grout used (gal.)	24.45
	bottom of scheen
COMMENTS: 2" batch - hand mixed to top	* Sketch in all relevant decommissioning data, including:
off on 8/17/10	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
THA In THA	
Prilling Contractor	Department Representative

FIGURE 2	
FIGURE 3	
WELL DECOMMISSIONING RECORD]
Site Name: Former Taylor Instruments	Well I.D.: VW-5-5
Site Location: Rochester NY	Driller: Pat Bliek
Drilling Co: Mitary E incomental	Inspector: Carectorea Wolf (MACTED)
Diming Co Mainx PAVIONNEA 191	Data: 8/3/0
	Date. 0/10/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	pellomot vaul
Temporary Casing Installed? (y/n)	24 top of grout
Depth temporary casing installed	4.25 top of
Casing type/dia. (in.)	screeri
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
CASING DEDEODATING	
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.) 23	
Quantity of cement used (lbs.)	
Cement type portland	
Quantity of bentonite used (lbs.)	
Values of grout propaged (gel)	24.25 -
Volume of grout used (gal.)	25
	- bottom of
COMMENTS	ScoreA * Sketch in all relevant decommissioning data including:
	Sketch in an relevant decommissioning data, including.
	interval overariliea, interval grouted, casing left in noie,
	well stickup, etc.
Ma / Ma	
KH 12-ATHP	
Drilling Contractor	Department Representative
r .	

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FIGURE 3	
WELL DECOMMISSIONING RECORD	
Site Name: Former Taylor Tastruments	Well I.D.: $VW - 5 - 6$
Site Location: Recharter NY	Driller: Pat Bliek
Drilling Con Metain Eric antal	Inspector: Country (2) F (MACTEC)
Drilling Co.: Triainix Environmental	Detai & U2/18
	Date: 5/19/10
	WELL SCHEMATIC*
(Fill in all that apply)	Depth
(i in in an that apply)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	bottom of vault
Temporary Casing Installed? (y/n)	23 top of grout
Depth temporary casing installed	2.25 toof
Casing type/dia. (in.)	screen
Method of installing	
CASING PULLING	
Method employed	
Casing type/dia (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS) <u>L3-24,45</u>	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type Our tite of her territe used (lbs)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal)	
Volume of grout used (gal.)	24,45'
	botton of
COMMENTS	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole.
1	well stickup etc.
the the	- Won Stokup, etc.
La HAM	
/##1 U / /##1	
Prilling Contractor	Department Representative

EIGURE 3	
WELL DECOMMISSIONING RECORD	
WELL DECOMINISSIONING RECORD	
Site Name: Former Taylor Instruments	Well I.D.: 10-5-7
Site Location: Rochester, NY	Driller: Vat Bliek
Drilling Co.: Mataix Environmental	Inspector: Gurtien Wolf (MACTEC)
	Date: 8/13
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	DOTION OTVAULT
Depth temporary casing installed	ulls to
Cosing type/dia (in)	- <u>1172 100 -</u>
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	
CROUTING	
Interval grouted (EBLS)	
# of batches prepared	
For each batch record:	
Ouantity of water used (gal.) 23	
Quantity of cement used (lbs.)	
Cement type artland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 45	
Volume of grout used (gal.)	<u>1 24,49</u>
	Screen
COMMENTS:	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
She In the	

Drilling Contractor

FIGURE 3	
WELL DECOMMISSIONING RECORD	
and the second s	Wall $ID \cdot M(1) = 5 = 8$
Site Name: tormer laylor Instruments	$\frac{1}{2} = \frac{1}{2} = \frac{1}$
Site Location: Rochester, M	Driller: Val Bliek
Drilling Co.: Matrix Environmental	Inspector: Courtney Wolt (MACTEC)
	Date: 8/13/10
DECOMMISSIONING DATA	WELL SCHEWATIC
(Fill in all that apply)	(feet)
OVERDRILLING	
Unterval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	hottom of vault
Temporary Casing Installed? (y/n)	24 top of grout
Depth temporary casing installed	4.55 tepot
Casing type/dia. (in.)	screen
Method of installing	
CASING PULLING	
Curric antiport (fact)	
Casing tune/dia (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING L (constant of (EDLS)	
Interval grouted (FBLS) $2-9-24.55$	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type portland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 45	7455
Volume of grout used (gal.)	Patten of
	SCREA
COMMENTS:	* Sketch in all relevant decommissioning data, including.
	interval overarified, interval grouted, casing left in noie,
	well stickup, etc.
ATTA	
KA V - IOH	
Drilling Contractor	Department Representative
FIGURE 3 WELL DECOMMISSIONING RECORD Site Name: Former Taylor Instruments Well I.D.: YW-5-9 Driller: Pat Bliek Drilling Co.: Matrix Environmental Drilled Drilling Method(s) Bottom of vault Drilling Method(s) Bottom of vault	

WELL DECOMMISSIONING RECORD Site Name: Former Taylor Instruments Site Location: Rochester NY Driller: Drilling Co.: Matrix Environmental Inspector: Guitter Diste: \$1310 Decommissioning DATA Well Schematic* Depth Genetic Interval Drilled Drilling Method(s) Borehole Dia. (in.) Destand from from from to and to be to more transforment of the present	
Site Name: Former Taylor Instruments Well I.D.: JW-5-9 Site Location: Rochester NY Driller: fat Bliek Drilling Co.: Matrix Environmental Inspector: Guirtney Wolf (mActed) Date: \$13,10 Decommissioning DATA (Fill in all that apply) Well SCHEMATIC* OVERDRILLING Depth Interval Drilled \$13,10 Drilling Method(s) bottom of vault Borehole Dia. (in.) bottom of vault Temporary Casing Installed? (y/n) United	
Site Name: Former Taylor Instruments Well I.D.: JW-5-9 Site Location: Rochester NY Driller: fat Bliek Drilling Co.: Matrix Environmental Inspector: Guitney Wolf (macted) Date: \$\$1310 Decommissioning DATA (Fill in all that apply) Well SCHEMATIC* OVERDRILLING Interval Drilled Depth (feet) Instand Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Destitem of vault 24 top growt Installed?	
Site Location: Rockester NY Driller: Pat Bliek Drilling Co.: Matrix Environmental Inspector: Guitter Walt (macter Date: \$13,10 Decommissioning DATA (Fill in all that apply) Well Schematic* OVERDRILLING Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Different Strault	
Drilling Co.: Matrix Environmental Inspector: Guitter With Matrix Dilling Co.: Matrix Environmental Inspector: Guitter With Matrix Date: \$\$1310 Date: \$\$1310 Decommissioning DATA (Fill in all that apply) Well Schematic* Depth (feet) Depth OVERDRILLING Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth Depth	
Diffining Co Prank Courney DECOMMISSIONING DATA (Fill in all that apply) WELL SCHEMATIC* OVERDRILLING Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth bottom of vault	
Date. Difference Decommissioning DATA (Fill in all that apply) WELL SCHEMATIC* Depth (feet) OVERDRILLING Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Well Schematic	
DECOMMISSIONING DATA (Fill in all that apply) WELL SCHEMATIC* OVERDRILLING Depth (feet) Interval Drilled Interval method(s) Borehole Dia. (in.) Interval method(s) Temporary Casing Installed? (y/n) Interval method(s)	
OVERDRILLING Depth Interval Drilled Interval Drilled Drilling Method(s) Interval Drilled Borehole Dia. (in.) Interval Drilled?	
OVERDRILLING (feet) Interval Drilled Interval Drilled Drilling Method(s) Interval Drilled Borehole Dia. (in.) Interval Drilled? Temporary Casing Installed? (y/n) Interval Drilled?	
OVERDRILLING Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n)	
Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n)	
Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n)	
Borehole Dia. (in.) Temporary Casing Installed? (y/n)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed 4.45 to of	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
<u>CASING PERFORATING</u>	
Number of perforations/foot	
Size of perforations	
GROUTING	
Interval grouted (FBLS) $\angle 4 - 74.45$	
# of batches prepared	
For each batch record:	
Ouantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type Oostland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 45	
Volume of grout used (gal.) 5 24,43	
Dotton of screen	
COMMENTS: * Sketch in all relevant decommissioning data, including:	
interval overdrilled, interval grouted, casing left in hole,	
well stickup, etc.	
the the	
THE 11. THE	
Department Representative	

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FIGURE 3	
WELL DECOMMISSIONING RECORD	
	J
Site Name: Former Tarka Tastanaats	Well I.D.: $\sqrt{\omega} - 5 - 10$
Site I dime. Potter layor Storiument	Driller: Pot Blick
Site Location: Recrester, NY	Longeton Contract (i) f (macted)
Drilling Co.: Matrix Environmental	Inspector: Car They work [mitter
	Date: 8/13/10
	WELL SCHEMATIC*
DECOMMISSIONING DATA	Denth
(Fill in all that apply)	(feet)
OVERDRILLING	
Unterruel Drilled	
Duilling Mathed(s)	thatten A
Drining Method(s)	Vauir Jonora
Temporary Casing Installed? (v/n)	L2.5 tip or acout
Depth temporary casing installed	2.65 traf
Casing type/dia (in)	SCIPEN
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	Page 4
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS) $22-22.65$	
# of batches prepared	
For each batch record:	
Quantity of water used (lbs)	
Compart type	
Oughtity of bentonite used (lbs)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal)	
Volume of grout used (gal.)	22.65
	bettom of scien
COMMENTS	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
1 11	
- HAT	1
NV 1/ 11/08	

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FIGURE 3	
WELL DECOMMISSIONING RECORD	
Site Name: Former Taylor Instruments	Well I.D.: VW-5-11
Site Location: Rochester N/Y	Driller: Pat Bliek
Drilling Con Mital Factory tal	Inspector: Countres White MACTES
Drilling Co I allix Livion mental	Data: \$1310
	Date: 0/19/10
	WELL SCHEMATIC*
(Eill in all that apply)	Denth
(Fill in an that apply)	(feet)
D illi M (h = 1(-)	
Drilling Method(s)	initian of
Borehole Dia. (in.)	Vault all tan const
Depth temporary casing installed	2115 2 0
Depth temporary casing instance	Server
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/1001	
Size of perforations	
GPOLITING	
Interval grouted (FPLS) $74 - 2000$	
# of botches 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.)	24.45'
	bottom of
COMMENTS	* Sketch in all relevant decommissioning data including
	interval overdrilled interval grouted easing left in hole
1 1	interval overurmeu, interval grouteu, casing ien in noie,
	well stickup, etc.
Alla Alla	
74/ 1/ ° /////	
Drilling Contractor	Department Representative

EIGURE 3	
WELL DECOMMISSIONING RECORD	
	J
Site Name: Ermen Taylon Tastrumpats	Well I.D.: $V \omega - 5 - 12$
Site Location: Rochaster NY	Driller: Pat Bliek
Drilling Co: Matein Faucona atal	Inspector: Courtney With (MACTEC)
Diffining Co) · at ALX DAVICOMMENTIAL	Date: 8/13/10
	Duce. 0/15/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Borehole Dia (in)	bottom of vauit
Temporary Casing Installed? (y/n)	14 top of grout
Depth temporary casing installed	4.45 top of
Casing type/dia. (in.)	scieen
Method of installing	
CASING BULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
Ouantity of water used (gal)	
Ouantity of cement used (lbs.)	
Cement type pontland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	24.45
volume of grout used (gal.) 5	britting of
COMMENTS.	* Sketch in all relevant decommissioning data. including:
	interval overdrilled, interval grouted, casing left in hole.
	well stickup etc.
A HA	
L TIM 1. HHA	
KU V / VK	Department Representative
Drilling Contractor	Department Representative

WELL DECOMMISSIONING RECORD	
Sita Nama: Equipa ta las tatavariata	Well I.D.: $VW - 5 - 13$
Site Name. Former lugior Instrument	Driller: Q=t Blick
Site Location: Rochester, NY	Inspector: C. T.a. DE MACTED
Drilling Co.: ITAINX ENVIRONMENTAL	Dur alizio
	Date: 8/19/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	better cult
Temporary Casing Installed? (v/n)	14 to accut
Depth temporary casing installed	445 to of
Casing type/dia. (in.)	scheen
Method of installing	
CASING PULLING Method amployed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
GROUTING	
Interval grouted (FBLS) $\angle 4 - 24,45$	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 45	24/15
Volume of grout used (gal.)	http://
CONDUCTION	MO HUM ON SCIECA * Statch in all relevant decommissioning data including:
COMMENTS:	interval overdrilled interval grouted casing left in hole
	well stickup etc
11 11	wen slickup, etc.
All ATT	
JUT V THE	Department Representative
Drilling Contractor	Department Representative

FIGURE 3]
WELL DECOMMISSIONING RECORD	
WELL DECOMINISSIONING RECORD	J
Site Name: Former Taylor Instruments	Well I.D.: VW-5-14
Site Location: Rochester, NY	Driller: Pat Bliek
Drilling Co: Matain Failora mantal	Inspector: Countrey WOH
Dinning Co 17 alling Counternation	Date: 8 13/15
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	pottom of vault
Temporary Casing Installed? (y/n)	24 lop or groun
Depth temporary casing instance	<u>4.00 1000</u>
Mathad of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/Tool	
Size of perforated	
GROUTING	
Interval grouted (FBLS) 24-24.35	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.) 23	
Quantity of cement used (lbs.) 282	
Cement type	
Quantity of benionite used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	24.35
	bottom of
COMMENTS:	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
THE Contractor	Department Representative
	· ·

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Ermen Taylon Instruments	Well I.D.: BREW-N-J
Site Location: Rochester, NY	Driller: Pat Bliek
Drilling Co.: Matoix Environmental	Inspector: Courtney WOR (MACTED)
Drining con that a faith on house	Date: 8/10/10 -8/11/10

(Fill in all that apply) Depth OVERDRILLING Image: constraint of the second se	DECOMMISSIONING DATA	WELL SCHEMATIC*
OVERDRILLING (feet) Interval Drilled (feet) Dorthold Edia. (in.) (in.) Temporary Casing Installed? (y/n) (feet) Depth temporary casing installed (feet) Casing type/dia. (in.) (feet) Method of installing (feet) CASING PULLING (feet) Method employed (feet) Casing type/dia. (in) (feet) CASING PERFORATING (feet) Equipment used (feet) Number of perforations/foot (feet) Size of perforations (feet) Interval perforated (feet) GROUTING (feet) Interval grouted (FBLS) (feet) For each batch record: (feet) Quantity of water used (gal.) (feet) Quantity of benchnite used (lbs.) (feet) Quantity of benchnite used (lbs.) (feet) Quantity of benchnite used (lbs.) (feet)	(Fill in all that apply)	Depth
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 type/dia. (in) Casing type/dia. (in) Casing type/dia. (in) Casing type/dia. (in) CASING PULLING Method employed Casing type/dia. (in) Borehold Thereal grouted (FBLS) # of batches prepared For each batch record: Quantity of bentonite used (lbs.		(feet)
Interval Drilled Interval Drilled Drilling Method(s) Interval Protocols Borehole Dia. (in.) Interval Protocols Temporary Casing Installed? (y/n) Interval Protocols Depth temporary casing installed Interval Protocols Casing type/dia. (in.) Interval Protocols Method of installing Interval Protocols CASING PULLING Interval Protocols Method employed Interval Protocols Casing type/dia. (in) Interval Protocols CASING PERFORATING Interval Perforations Equipment used Interval Perforations Number of perforations Interval Perforated GROUTING Interval grouted (FBLS) Interval Perforated Quantity of water used (gal.) Interval Perforations Interval Perforations Quantity of cement used (lbs.) Interval Interval Quantity of bentonite used (lbs.) Interval Interval Quantity of bento	OVERDRILLING	2 6
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) # of batches prepared For each batch record: Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.)	Interval Drilled	
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) # of batches prepared For each batch record: Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.) Cement type Ceme	Drilling Method(s)	
Temporary Casing Installed? (y/n)	Borehole Dia. (in.)	vault bottom
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) # of batche sprepared For each batch record: Quantity of water used (lbs.) Cement type Quantity of bentonite used (lbs.)	Temporary Casing Installed? (y/n)	
Casing type/dia. (in.) Method of installing $\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Depth temporary casing installed	25 top of
Method of installing Image: CASING PULLING Method employed Image: Casing retrieved (feet) Casing retrieved (feet) Image: Casing type/dia. (in) Casing type/dia. (in) Image: Casing type/dia. (in) CASING PERFORATING Image: Casing type/dia. (in) CASING PERFORATING Image: Casing type/dia. (in) Casing type/dia. (in) Image: Casing type/dia. (in) CASING PERFORATING Image: Casing type/dia. (in) Size of perforations/foot Image: Casing type/dia. (in) Size of perforations Image: Casing type/dia. (in) Interval perforated Image: Casing type/dia. (in) GROUTING Image: Casing type/dia. (in) Interval grouted (FBLS) Image: Casing type/dia. (in) Interval grouted (FBLS) Image: Casing type/dia. (in) Interval grouted (FBLS) Image: Casing type/dia. (in) Quantity of water used (gal.) Image: Casing type/dia. (in) Quantity of bentonite used (lbs.) Image: Casing type/dia. (in) Quantity of bentonite used (lbs.) Image: Casing type/dia. (in) Image: Casing type dia. (in) Image: Casing type/dia. (in) Quantity of bentonite used (lbs.) Image: Casing type/dia. (in)	Casing type/dia. (in.)	grout
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.)	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) # of batches prepared For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.)		
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.)	CASING PULLING	
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.)	Method employed	
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.) Cement type Quantity of bentonite used (lbs.)	Casing retrieved (feet)	
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.)	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.)		
Equipment used Number of perforations/foot Size of perforations Interval perforated $\underline{GROUTING}$ Interval grouted (FBLS) $\underline{45-75.8}$ $\#$ of batches prepared $\underline{For each batch record:}$ Quantity of water used (gal.) $\underline{25.8 to}$ $\underline{47}$ $\underline{52.8 to}$ $\underline{52.8 to}$ $\underline{52.8 to}$ $\underline{47}$ $\underline{52.8 to}$ $52.8 to$	CASING PERFORATING	
Number of perforations/footSize of perforationsInterval perforated $\underline{GROUTING}$ Interval grouted (FBLS) $\underline{45-758}$ $\#$ of batches prepared $\underline{44}$ For each batch record:Quantity of water used (gal.)Quantity of cement used (lbs.)Cement typeQuantity of bentonite used (lbs.) $\underline{782}$ $\underline{758}$ <	Equipment used	
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 bentonite used (lbs.)	Number of perforations/foot	
Interval perforated $ \frac{GROUTING}{Interval grouted (FBLS)} $ $ \frac{5-758}{4} $	Size of perforations	
GROUTINGInterval grouted (FBLS) $45 - 75.8$ # of batches preparedFor each batch record:Quantity of water used (gal.)Quantity of cement used (lbs.)Cement typeQuantity of bentonite used (lbs.)Image: Application of the transmission	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.) Interval grouted (FBLS)		
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 bentonite used (lbs.)	GROUTING	<u>_7,8 to</u>
# of batches prepared For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.) IZ	Interval grouted (FBLS) $42 - 75.8$	ok scheen
For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.) 12	# of batches prepared	
Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.) 12	For each batch record:	
Quantity of cement used (lbs.) 202 Cement type Quantity of bentonite used (lbs.) 12 Quantity of bentonite used (lbs.) 12	Quantity of water used (gal.)	`l
Quantity of bentonite used (lbs.)	Quantity of cement used (los.)	
Quantity of bentonite used (lbs.)	Cement type	
	Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (los.)	Quantity of calcium chloride used (los.)	
Volume of grout prepared (gal.)	Volume of grout prepared (gal.)	D58 -
volume of grout used (gal.)	Volume of grout used (gai.)	hattim of
SCNEA		SCREA
COMMENTS: <i>glus 1° piezometer</i> * Sketch in all relevant decommissioning data, including:	COMMENTS: plus 1" piezometer	* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,		interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.		well stickup, etc.
In 1 Mi	MI.	
THA	THA HAM	
Department Representative	Drilling Contractor	Department Representative

WELL DECOMMISSIONING RECORD	
	WHIDE ELS AL
Site Name: Former laylor Instruments	well I.D.: Econy - 1
Site Location: Rochester NY	Driller: Pat Bliek
Drilling Co.: Matrix Environmental	Inspector: (ountreg Wolf (MACTEC)
	Date: 8/10/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	│ <u> </u>
Interval Drilled	
Drilling Method(s)	Initian of
Borehole Dia. (in.)	vault _
Depth temporary casing installed	15 top of arout
Casing type/dia (in)	52' to of
Method of installing	SCREEN
CASING PULLING	
Method employed	Bittotta
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	│ │ │ │ .
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS) 45-27	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Volume of grout prepared (gal)	
Volume of grout used (gal.)	
	battan of
COMMENTS:	* Sketch in all relevant decommissioning data, including:
also at 1" oin- nater nost + it	interval overdrilled, interval grouted, casing left in hole,
and growen i piezoneler next pin	well stickup, etc.
HA MITTAN	
I VIV V I WINN	Department Depresentative
Dfilling Contractor	Department Representative

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FIGURE 3	
WELL DECOMMISSIONING RECORD	
Site Name: Former Taylor Instruments	Well I.D.: $EW - N - 2$
Site Location: Rachester, NY	Driller: Pat Bliek
Drilling Co: Mataix Environmental	Inspector: Cauther Cubit (MACTEC)
Drining Co 1 ana churchmental	Date: QUALA
	Date. BIOID
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
(1 m m und uppry)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	bottom of vault
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	45 too fgrout
Casing type/dia. (in.)	5.5' top of
Method of installing	Sereen
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
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 portland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 4.9	
	heiten of
	5Creer
COMMENTS:	* Sketch in all relevant decommissioning data, including:
plus l'piezometer	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
La Al	
Prilling Contractor	Department Representative

FIGURE 3	
WELL DECOMINISSIONING RECORD	
Site Name: Farmer Taylor Tastryments	Well I.D.: EW-N-3
Site Location: Rochester NY	Driller: Pat Bliek
Drilling Colimentary Failorian Ratal	Inspector: Countree White (mACTEC)
Dinning Co J rajn x Dividingenaj	Date: \$1010
	Date. Die 10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	bottom of available to the second sec
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	5 to of great
Casing type/dia. (in.)	5,000
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) $25-26.5$	
For each batch record:	
Quantity of water used (gal)	
Quantity of water used (Jul.)	
Cement type	
Ouantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	25.8
	Dottom of
COMMENTS:	* Sketch in all relevant decommissioning data, including:
also grouted 1"piezometer	interval overdrilled, interval grouted, casing left in hole,
A A	well stickup, etc.
$\mathcal{V}\mathcal{H}$ \mathcal{V} \leftarrow $\mathcal{H}\mathcal{H}\mathcal{H}$	
Drilling Contractor	Department Representative

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ELCLIDE 2	
FIGURE 3	
WELL DECOMMISSIONING RECORD	
	Well ID: $F(i) = \Lambda / - \mathcal{U}$
Site Name: Pormer lay for Instruments	Dillar Of Black
Site Location: Kachester, NY	Driller: Val Diek
Drilling Co.: Matrix Environmental	Inspector: Louriney Libr (mACTEC)
	Date: 8/10/10
	WELL COLEMATIC*
DECOMMISSIONING DATA	WELL SCHEMATIC
(Fill in all that apply)	(feet)
OVEDDDILLING	
Unterviel Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	bottom of
Casing type/dia. (in.)	vault
Method of installing	
CASING PULLING	
Method employed	
Casing type/dia (in)	giva.
CASING PERFORATING	
Equipment used	7.2 topot
Number of perforations/foot	SCIERA
Size of perforations	
Interval perforated	
GPOLITING	
Interval grouted (FBLS) $(45 - 26)$	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.) 23	
Quantity of cement used (lbs.)	
Cement type portland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout used (gal.)	
	bottom of
COMMENTS	<i>5 c (eeA)</i> * Sketch in all relevant decommissioning data. including:
	interval overdrilled, interval grouted, casing left in hole.
	well stickup etc
HA HA	
1º11 U- THA	Department Penrepentative
Drilling Contractor	Department Representative

FIGURE 3	
WELL DECOMMISSIONING RECORD	
	prom, c al and
Site Name: Former Taylor Instruments	Well I.D.: $E \omega - N - b$
Site Location: Rochester NY	Driller: Pat Bliek
Drilling Co: Mataix Equipropmental	Inspector: Gustney Wat (MACTEC)
	Date: BIALD
	Date: 0//0/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	hottom of -
Depth temporary casing instance	Vault
Lasing type/dia. (in.)	25 top of
	grout _
CASING PULLING	5.5 top of
Method employed	scheen
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
CROUTING	
Interval arouted (EPLS)	
# of batches prepared	
For each batch record	
Quantity of water used (gal.) 23	
Quantity of cement used (lbs.)	
Cement type antland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 45	
Volume of grout used (gal.)	
	SCNEED
COMMENTS: plus l'piezometer grouted	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
H. H.	
UN 1 - TUTT	
Drilling Contractor	Department Representative

FIGURE 3	
WELL DECOMMISSIONING RECORD	
Site Name: Econer Taylor Jastruments	Well I.D.: $E\omega - N - \delta$
Site Location: Rochaster AN	Driller: Pat Bliek
Drilling Co: Octoby Equipagement of	Inspector: Country Wolf (MACTEC)
Drining co I arta Lawi Dampartar	Date: 8/10/10
DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC* Depth (feet)
OVERDRILLING	
Interval Drilled Drilling Method(s) Borehole Dia. (in.)	hotton of
Depth temporary casing installed Casing type/dia, (in.)	Vault
Method of installing	s.1' top of
CASING PULLING Method employed	
Casing retrieved (feet) Casing type/dia. (in)	
CASING PERFORATING Equipment used Number of perforations/foot Size of perforations	
Interval perforated	
<u>GROUTING</u> Interval grouted (FBLS) 45-25	
# of batches prepared	
Quantity of water used (gal.)23Quantity of cement used (lbs.)282	
Cement type portland	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 45	
Volume of grout used (gal.) -30	25
	bottom of
COMMENTS: granted 1" piezometer also	* Sketch in all relevant decommissioning data, including:
	interval overarillea, interval groutea, casing len in noie,
	wen slickup, etc.
All 1 Alla	
100 11 - THH	Department Representative

FIGURE 3	
WELL DECOMINISSIONING RECORD	
Site Name: Famer Taulca Tastruments	Well I.D.: BREW-S-1
Site Leastion: Rochaster AIV	Driller: Pot Blick
Dilli Con Matali Fridade VI	Inspector: Countral Cubit (MACTER
Drilling Co.: Maintx Churchmental	Data: \$1310
	Date. SIIJIU
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borenole Dia. (In.)	instrom of varit
Depth temporary casing installed	15-5-02
Casing type/dia (in)	apiet
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING DEPEORATING	
Equipment used	266 to
Number of perforations/foot	of screen
Size of perforations	
Interval perforated	
GROUTING	
the flatches prepared	
For each batch record	
Quantity of water used (gal.) 23	
Quantity of cement used (lbs.)	
Cement type gort land	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 80	
Volume of grout used (gal.)	
	SCREPA
COMMENTS: plus l' piezometer	* Sketch in all relevant decommissioning data, including:
1 batch 13gel, 8 lbs, 2 halps	interval overdriffed, interval grouted, casing left in hole,
A	well stickup, etc.
I HA	
MA 1/2 THAN	
Drilling Contractor	Department Representative

EICLIDE 3	
WELL DECOMMISSIONING RECORD	
Site Name: Former Taylor Instruments	Well I.D.: $EW \rightarrow D$
Site Location: Rochester NY	Driller: Pat Bliek
Drilling Co: Matoir Environmental	Inspector: Country Wolf (MACTEC)
Drining com I with Divitori Crist	Date: 8/13/16
	Duce: 0/10/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
(1 m m und apprij)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia (in)	bottom vault
Temporary Casing Installed? (y/n)	24 top grout
Depth temporary casing installed	4.3 top of
Casing type/dia (in)	SCREEN
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)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type partland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) -45	103 -
Volume of grout used (gal.)	
	DOTTOM OT
COMMENTS: thicker batch due to close praximity	* Sketch in all relevant decommissioning data, including:
to menitarina wells staying on site	interval overdrilled, interval grouted, casing left in hole,
ice many and a start of the sta	well stickup, etc.
also muted 1th niezameter	
A A A A A A A A A A A A A A A A A A A	
the first the	Department Representative
Uniting Contractor	

FIGURE 3	
WELL DECOMMISSIONING RECORD	at the second
C'N The Testa to	WellID: F1,2-5-15
Site Name: Former lay for Instruments	Duillon: Det Blight
Site Location: Rochester, 1V9	Dimer. Par Brier
Drilling Co.: Matrix Environmental	Inspector: Courting Wolt (INACTES)
	Date: 5/15/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	│ → ; { }
Interval Drilled	
Borehole Dia (in)	pottomotvault
Temporary Casing Installed? (y/n)	24 top grant
Depth temporary casing installed	43 top of
Casing type/dia. (in.)	SCREA
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS) $24 - 13.7$	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.) 20	
Comment type	
Ouantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 45	
Volume of grout used (gal.)	haitam £
COMMENTS. + D Illow the the	<i>SCIPEA</i> * Sketch in all relevant decommissioning data including:
Difficents: grouted 1 prezometer 100	interval overdrilled, interval grouted, casing left in hole.
quised Thicker paich and To close proximity to	well stickup, etc.
wens that use not being a pandoned	
Dfilling Contractor	Department Representative
prining contactor	

FIGURE 3	
WELL DECOMMISSIONING RECORD	
Site Name: Former Taylor Instruments	Well I.D.: EW-5-2
Site Location: Rochester NY	Driller: lat Bliek
Drilling Co: Matoir Fourimomental	Inspector: Cauntren Widt (MACTEC)
	Date: \$13/10
	Dute: MISHE
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
(1 m m un unu upp.))	(feet)
OVERDRILLING	l `´ & K
Interval Drilled	
Drilling Method(s)	
Borehole Dia (in)	
Temporary Casing Installed? (v/n)	bottom of vault
Depth temporary casing installed	25 ton of anut
Cosing type/dia (in)	55' tast
Method of installing	5.9 1000
CASING PULLING	
Method employed	
Cosing ratrieved (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 contrand	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 45	
Volume of grout used (gal.)	
	bottom of
COMMENTS: and I' diagram to	* Sketch in all relevant decommissioning data, including:
CONTRACTOR PRECOMPLEY.	interval overdrilled interval grouted casing left in hole
	wall stickup ato
1 1 1	wen suckup, etc.
- H. / ///	
SAN 1/ STAAD	
Drilling Contractor	Department Representative

EIGURE 3	
WELL DECOMINISSIONING RECORD	
C' Non Francis Talant	Well ID: $F(1) - 5 - 3$
Site Name: Former 1 dy for 1 ASTINUMENTS	Driller: Pot Blick
Site Location: Kochester, NY	Dimer. Fai pier
Drilling Co.: Matrix Environmental	Inspector: Louring Work
	Date: 8/13/10
	WELL SCHEMATIC*
DECOMMISSIONING DATA (E:11 in all that apply)	Depth
(FIII III all that apply)	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	bottom of vault
Depth temporary casing installed	25 topot growt
Casing type/dia. (in.)	55' topot
Method of installing	screen
CASING PULLING	
Method employed	
Casing retrieved (reet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS) $25-22$	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Comment type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 45	
Volume of grout used (gal.)	22
· · · · · · · · · · · · · · · · · · ·	bottom of
COMMENTS: and I' niezometer	* Sketch in all relevant decommissioning data, including:
the state in the second	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
The Little	
Prilling Contractor	Department Representative
Prining Contractor	

FIGURE 3	
WELL DECOMMISSIONING RECORD	
	(1)
Site Name: former baylor Instruments	Well I.D.: $EW = 3 - 4$
Site Location: Rochester, NY	Driller: Pat Bliek
Drilling Co.: Mataix Faviormental	Inspector: Countrey Wolf (MACTEC)
Drining con Alphina Batticonternat	Date: 8/13/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	bottom of Vau H
Temporary Casing Installed? (y/n)	15-baf J
Depth temporary casing installed	25 Jap or groun
Casing type/dia. (in.)	5,2700
	Juleen
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) $\angle 5 - 22$	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (IDS.)	
Cement type	
Quantity of bentonite used (lbs.)	
Volume of grout prepared (gol)	
Volume of grout used (gal.)	
volume of grout used (gai.)	Dattom of
COMMENTS	* Sketch in all relevant decommissioning data, including:
COMMENTS:	interval overdrilled interval grouted casing left in hole
	mervar overurmen, mervar grouter, casing for in note,
	wen stickup, etc.
ATTA ATT	
THA 11. MAD	
Drilling Contractor	Department Representative

EIGUDE 3	
WELL DECOMMISSIONING RECORD	
Site Name: Former laylor Instruments	well I.D.: <i>Flu-5-5</i>
Site Location: Rochester NY	Driller: Vat Bliek
Drilling Co.: Matrix Environmental	Inspector: Country Watt (MACTEC)
	Date: 8/13/18
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	pottern of
Temporary Casing Installed? (y/n)	Vault
Depth temporary casing installed	2 <u>5 Top at grout</u>
Casing type/dia. (in.)	5.8 top of -
Method of installing	scheen -
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Number of performing/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 overland	
Ouantity of bentonite used (lbs.)	
Ouantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.) 25	22.5
	bottom of
COMMENTS: and I' airzameter	* Sketch in all relevant decommissioning data, including:
wan purposed	interval overdrilled, interval grouted, casing left in hole,
	well stickup etc.
HTA HTA	
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FIGURE 3	
WELL DECOMMISSIONING RECORD	
b m t t	
Site Name: Former Taylor Instruments	Well I.D.: EW- > - 6
Site Location: Rochester NY	Driller: Pat Bliek
Drilling Co: Matrix Environmental	Inspector: Countren Wolf (MACTEC)
Drining co IT dairia UNIT UNITERITAT	Date: 8/13/10
	Date. 9/13/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	<u>₹</u> ≸
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	bottomotivault
Depth temporary casing installed	25 top grout
Casing type/dia. (in.)	59 to f
Method of installing	SCREP
CASING PULLING	
Method employed	
Casing retrieved (feet)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS) $25-22.4$	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.) 23	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Values of grout proposed (gal)	
Volume of grout used (gal.)	22.4
	Dottom of
COMMENTE: A (4) +	 Screen * Sketch in all relevant decommissioning data including.
CUMINIENTS: and I piezomeleo	interval overdrilled interval grouted easing left in hole
	interval overarinea, interval groutea, casing left in noie,
A A	well stickup, etc.
I ATT	
HU 1/ TUMA	
Drilling Contractor	Department Representative

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FIGURE 3	
WELL DECOMMISSIONING RECORD	
	1
Site Name: Former Taylor Jastruments	Well I.D.: $\overline{E}\omega - 5 - 7$
Site Location: Rochester, NY	Driller: Pat Bliek
Drilling Co: Mataix Evingen notal	Inspector: Countain GAF (MACTED)
Drilling Co (Tally CAURDAMERICA	Deter Slight
	Date: 0/13/10
	WELL SCHEMATIC*
DECOMMISSIONING DATA	WELL SCHEMATIC
(Fill in all that apply)	
	(Teet)
OVERDRILLING	 K
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	bottom of - 1 1 7
Temporary Casing Installed? (y/n)	Vault
Depth temporary casing installed	45 Top or grout
Casing type/dia. (in.)	5.9 top of -
Method of installing	screen -
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	BMS#
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS) <u>45-22.5</u>	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type portland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	22.5
	bottom at screen
COMMENTS:	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
Land HTT.	
HH // THA	
Dfilling Contractor	Department Representative

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FIGURE 3				
WELL DECOMMISSIONING RECORD				
Site Name: Farmer Taylor Tostruments	Well I.D.: $EW - 5 - 8$			
Site Location: Rechester NY	Driller: Pat Bliek			
Drilling Co: Matoir Faving mental	Inspector: (ourtney Wolf (MACTEC)			
Drining co Ir ultip Givian Ora	Date: 8/13/10			
	Date. 2713/10			
DECOMMISSIONING DATA	WELL SCHEMATIC*			
(Fill in all that apply)	Depth			
(1 m m an that apprij)	(feet)			
OVERDRILLING				
Interval Drilled				
Drilling Method(s)				
Borehole Dia (in)				
Temporary Casing Installed? (y/n)	bottom of yault			
Depth temporary casing installed	25 to prost			
Casing type/dia (in)				
Method of installing	5.0 TOP OT			
	Scieen			
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) 45-22.5				
# of batches prepared				
For each batch record:				
Quantity of water used (gal.)				
Quantity of cement used (lbs.)				
Cement type portland				
Quantity of bentonite used (lbs.)				
Quantity of calcium chloride used (lbs.)				
Volume of grout prepared (gal.) ~ 45				
Volume of grout used (gal.)	22.5			
	VOITOMOT'			
COMMENTS: and (" Diezometer	* Sketch in all relevant decommissioning data, including:			
hourse with	interval overdrilled, interval grouted, casing left in hole,			
	well stickup, etc.			
	1			
All Hills				
7×4 V- / VIN				
Drilling Contractor	Department Representative			

EIGURE 3	
WELL DECOMINISSIONING RECORD	
Site Name: Firmer Taylor Instruments	Well I.D.: <i>EW</i> -5-09
Site Location: Rochaster NY	Driller: Pat Bliek
Drilling Care Moitair Faultonand at al	Inspector: Quataen Cooff (MACTEC)
Drilling Co.: Intuinix Cavitonmenta	Date: \$1310
	Date. 0/15/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	Letter of coult
Temporary Casing Installed? (y/n)	15+ C. +
Depth temporary casing installed	29 10p ot grou
Casing type/dia. (in.)	6' top of -
Method of installing	screen
CASING DUI LING	
Method employed	
Cosing retrieved (feet)	
Casing type/dia (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
1	
GROUTING	
Interval grouted (FBLS) $45-22.5$	A
# of batches prepared	
For each batch record:	
Quantity of water used (gal.) 23	
Quantity of cement used (lbs.)	
Cement type portland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) $\sqrt{47}$	
volume of grout used (gal.)	brttzmat
	* Shother all relevant decommissioning data including:
COMMENTS:	* Sketch in all relevant decommissioning data, including.
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
har 1 the	
APP U MINTO	
Prilling Contractor	Department Representative

ELCLIDE 2	
WELL DECOMMISSIONING RECORD	
	ENE IA
Site Name: Former Taylor Instruments	Well I.D.: $\mathcal{L} \mathcal{W}^{-} \mathcal{I}^{-} \mathcal{U}$
Site Location: Rochester NY	Driller: Pat Bliek
Drilling Co: Mateix Equipmental	Inspector: Courtney Wdf (MACTEC)
Drining co Wirth Control Milen 4	Date: 8/13/10
	Dute. 0// 9/10
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	Dollom ot Vau IT
Depth temporary casing installed	25 top grout
Casing type/dia. (in.)	A trace
Method of installing	screen
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 (IDS.) dDd	
Cement type acTland	
Quantity of benionite used (lbs.)	
Volume of grout prepared (gal)	
Volume of grout used (gal.)	22.5'
round of Broat about (Ban)	bottom of screen
COMMENTS: Les l'édissessation	* Sketch in all relevant decommissioning data, including:
COMMULEINIS. plus 1 plezometer	interval overdrilled interval grouted casing left in hole
	well stickup atc
	wen stickup, cic.
THE I MAN	
Prilling Contractor	Department Representative
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FIGURE 3 WELL DECOMMISSIONING RECORD

Drilling Contractor

Site Name: Farmer Taylor Instruments	Well I.D.: $E\omega - 5 - 11$
Site Location: Rochester, NY	Driller: Pat Bliek
Drilling Co.: Matrix Faviryamental	Inspector: Courtney Wolf (Macter)
	Date: \$/13/10

DECOMMISSIONING I	DATA	WELL SCHEMATIC*		
(Fill in all that apply	7)	Depth		
	,	(feet)	2.5	
OVERDRILLING			52	
Interval Drilled				
Drilling Method(s)	······································		- <u></u>	
Borehole Dia (in)	and the second		<u></u> ≰ ⊬	
Temporary Casing Installed? (v/n)		vault bottom		
Depth temporary casing installed		15+ + + +		
Casing type/dia (in)		- <u>sopor</u> giou		
Mathad of installing		5.9' topot -		
Method of instanting		scheen -		
CASING PULLING Method employed				
Casing retrieved (feet)				
Casing type/dia. (in)				
CASING PERFORATING				
Equipment used				
Number of perforations/foot				
Size of perforations				
Interval perforated		-		
CROUTING				
Untermal amounts of (EDL S)	16 ms			
Interval grouted (FBLS)	49-22.3			
# of batches prepared	1			
For each batch record:	22			
Quantity of water used (gal.)	20			
Quantity of cement used (los.)	202			
Cement type	portland			
Quantity of bentonite used (lbs.)	12			
Quantity of calcium chloride used (lbs.)	The second secon			
Volume of grout prepared (gal.)	~ 47	075 -		
Volume of grout used (gal.)				
		- SCREA		
COMMENTS: plus (piezometer		* Sketch in all relevant decomm	issioning data, including:	
1 9		interval overdrilled, interval gro	outed, casing left in hole,	
	99 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199 - 199	well stickup, etc.		
the the		1		
I THAT I THIN			999 - 49 14 18 19 19 19 19 19 19 19 19 19 19 19 19 19	
/ // ///4				
Drilling Contractor	-	Department Representative		

EIGURE 3	1
WELL DECOMMING RECORD	
Site Name: Former Toylor Totouments	Well I.D.: EW-5-12
Site Location: Rochaster Aly	Driller: Pat Bliek
Drilling Co: Mating Failbrangetal	Inspector: Countrey With
Dinning Co., Marrix Civilonmental	Date: 8/13/10
	Date. Office
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	bollomot Jau H
Contract temporary casing instance	$\frac{29}{100}\frac{\pi G}{\pi G}$
Method of installing	5.0 TOPOT
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS) <u>25-223</u>	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.) 7	
	Do Tram of Screen
COMMENTS: and I" piezometer	* Sketch in all relevant decommissioning data, including:
]	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
M. I II	
MI 1 - HAM	
Drilling Contractor	Department Representative
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EIGURE 3				
WELL DECOMMISSIONING RECORD				
WELL DECOMINISSIONING RECORD				
Site Name: Former Taylor Instruments	Well I.D.: EW-5-13			
Site Location: Rochester, NY	Driller: Pat Bliek			
Drilling Co.: Matrix Environmental	Inspector: Courtney Celf(MACTEC)			
	Date: 8/13/10			
DECOMMISSIONING DATA	WELL SCHEMATIC*			
(Fill in all that apply)	Depth			
	(feet)			
OVERDRILLING				
Interval Drilled				
Drilling Method(s)				
Borehole Dia. (in.)	better of south			
Depth temporary casing installed	15 to Const			
Coving tang (in)	2-5 1978 gloan			
Mathad of installing	6' topot -			
	screen -			
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) $25-22$				
# of batches prepared				
For each batch record:				
Quantity of cement used (lbs)				
Coment type				
Quantity of bentonite used (lbs)				
Quantity of calcium chloride used (lbs.)				
Volume of grout prepared (gal.) ~ 45				
Volume of grout used (gal.)				
	Dottom of			
COMMENTS: alus 11' aigzameter	* Sketch in all relevant decommissioning data, including:			
piccon picco	interval overdrilled, interval grouted, casing left in hole,			
	well stickup, etc.			
H. H.				
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IN U Join	Department Representative			
"Drilling Contractor	Department Representative			

FIGURE 5	
WELL DECOMMISSIONING RECORD	
Site Name: Farmer Taylor Jastruments	Well I.D.: <i>EW</i> -5-14
Site Location: Rochester NV	Driller: Pat Bliek
Dilli Que Meti Evin tal	Inspector: Counter ()HE/MACTEC)
Drilling Co.: Marix Lavinon mental	mispector. Countries and the countries
	Date: 8/13/10
	WELL SCHEMATIC*
DECOMMISSIONING DATA	WELL SCHEMATIC
(Fill in all that apply)	
OVERDRUI DIC	
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	bottom of invite
Depth temporary casing installed	15 to Fair the
Cosing typo/dia (in)	iopor groun
Casing type/dia. (III.)	3.6 topot
	SCNEEN
CASING DULLING	
Method employed	
Cosing retrieved (feet)	
Casing type/dia (in)	
CASING PERFORATING	
Fauinment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS) $(-5-22)$	
# of batches prepared	
For each batch record:	
Ouantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type opention of	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 45	
Volume of grout used (gal.)	22
	bottomot
COMMENTS:	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup etc
Hit Hit	
×111 (/~ 1011)	
Drilling Contractor	Department Representative

EIGURE 3				
WELL DECOMINIISSIONING RECORD]			
Site Names For as To las Tata aste	Well ID: $F(t) = 5 - 15$			
She Name: 10(men pylor 10) (cmpais	Driller: Qut Qlick			
Site Location: Kochester, NY	Lineston (The C) F (martic)			
Drilling Co.: Matrix Environmental	Inspector: Courtran Wor (PUTCIEC)			
	Date: 0/12/10~			
DECOMMISSIONING DATA	WELL SCHEMATIC*			
(Fill in all that apply)	Depth			
	(feet)			
OVERDRILLING				
Interval Drilled				
Drilling Method(s)				
Borehole Dia. (in.)	bettern & sec. 14			
Temporary Casing Installed? (y/n)	15+ 5 H			
Cosing type/dia (in)	SO to F			
Method of installing	5,2 100 01			
CASING PULLING				
Method employed				
Casing retrieved (feet)				
Casing type/dia. (in)				
CASING PERFORATING				
Equipment used				
Number of perforations/1001				
Interval perforated				
GROUTING				
Interval grouted (FBLS) 4-5-21.8				
# of batches prepared				
For each batch record:				
Quantity of water used (gal.)				
Quantity of cement used (lbs.)				
Cement type				
Quantity of bentonite used (lbs.)				
Volume of grout prepared (gal)				
Volume of grout used (gal.)				
	bottom of			
COMMENTS: and l'airrante	* Sketch in all relevant decommissioning data, including:			
CONTRACT PREZONER	interval overdrilled, interval grouted, casing left in hole,			
	well stickup, etc.			
/ V/ / / × / V///A				

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FIGURE 3	
WELL DECOMMISSIONING RECORD	
Site Name: Former Taylor Instruments	Well I.D.: $EW - \mathbf{p} - IB$
Site Location: Rochester NY	Driller: Pat Bliek
Drilling Co: Matain Fourimental	Inspector: Cauctren Wolf MACTEC
Drining co WICK CINICAUL	Date: \$1310
	Date. Off She
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
	(feet)
OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	Dottom of sault
Depth temporary casing installed	25 top grout
Casing type/dia. (in.)	5,2' top of
Method of installing	screen
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Size of perforations	
Size of perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.) 23	
Quantity of cement used (lbs.)	
Cement type Ontland	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) ~ 45	
Volume of grout used (gal.)	21.3
	Dottomotiscreen
COMMENTS: and 1" piezometer	* Sketch in all relevant decommissioning data, including:
	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.
AT	
XIII Allo	
The Contractor	Department Representative
	- · r · · · ·

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: <u>www.dec.ny.gov</u>



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 1^{rst} request for a "contained-in" determination for the referenced project.

Concentrations for trichloroethene, 1,l-dichloroethylene, cis-l,2-dichloroethene, trans-l,2dichloroethyene, 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



	(12			CVVM
NON-HAZARDOUS 1. Generator ID Number 2. Page 1 of WASTE MANIFEST N Y D 0 0 2 2 1 1 4 1 5 1	3. Emergency Respon (800) 424-	se Phone 9300	4. Waste	Tracking Nu	mber
5. Generator's Name and Mailing Address ABB INC C/O MACTEC INC. Attn: Joe Deatherage 725 9226 COGDILL ROAD KS0 KNOXVILLE TN 37932 Generator's Phone: (865) 218- 1049	Generator's Site Addre COMBU 95 AME ROCHE	ISTION E S ST STER N	than mailing add ENGINEER Y 14611-21	ING INC	/AGG, Inc.
6. Transporter 1 Company Name Frank's Vacuum Truck Scrwict 7. Transporter 2 Company Name			U.S. EPA II) Number 18379	2314
8. Designated Facility Name and Site Address CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD.			U.S. EPA II	Number	49836570
MODEL CITY NY 14107 Facility's Phone: (716) 286- 1550			1		+ 0 0 0 0 0 7 5
9 Waste Shinning Name and Description	10. Con	tainers			
	No.	Туре	Quantity	Wt./Vol.	
107226N	r 1 K30	DM	300 300	46	-07
8. 2.					
3.			***		
4.					
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to	forderal moulations for		8664	317)	
Generator's/Offeror's Printed/Typed Name Ricky A. Ryan, Agait for combustion Eng/ 15. International Shipments	ire Aquilations ion		ber disposal of H	azardous wa	Month Day Year
Import to U.S. Import from U.S. Transporter Signature (for exports only): 16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Brinked/Unred News 10. Transporter Acknowledgment of Receipt of Materials	Port of en Date leavi	try/exit: ng U.S.:			
Transporter 2 Printed/Typed Name Signate	ire Ire	n			Month Day Year
17. Discrepancy 17a. Discrepancy Indication Space Quantity Type	Residue		Partial Reje	ction	Full Rejection
17b. Alternate Facility (or Generator)	Manifest Reference N	umber:	U.S. EPA ID N	umber	
17c. Signature of Alternate Facility (or Generator)					Month Day Year
H141 18. Designated Facility Owner or Operator Octification of the first order ord					4
Printed yoed Name Signature of Operator: Certification of receipt of materials covered by the manifest except as a Signature of the Signature	noted in Item 17.a				Month Day Year /2 /6 0