DRAFT

APPENDIX E

ANALYTICAL LABORATORY REPORTS/CHAIN-OF-CUSTODY DOCUMENTATION
AND
DATA USABILITY SUMMARY REPORTS

(INCLUDED ON A COMPACT DISC)

DRAFT

APPENDIX F

FIELD REPORTS: BASEMENT/VAULT ASSESSMENT

DRAFT

DAY ENVIRONMENTAL, INC. - SITE OBSERVATION REPORT

NYSDEC BCP SITE NUMBER: C905038	DATE: October 6, 2014 and October 23, 2014
PROJECT: 4884S-13	LOCATION: 211 Franklin Street, Olean, NY

On October 6, 2014 and October 23, 2014, Day Environmental, Inc. (DAY) representatives were at the 211 Franklin Street site (NYSDEC Site Number C905038-05-14) to complete the basement/vault assessment, as outlined in Section 5.1.1 of the Remedial Investigation/Remedial Alternative Analysis (RI/RAA) Work Plan. The basement/vault assessment was completed and consisted of determining (to the extent possible) the approximate dimensions and construction materials of each area identified, and evaluating (to the extent possible) the integrity of floors, walls, and containment structures pertaining to the potential for releases to the subsurface. A site plan depicting the approximate locations of the each area evaluated is provided as Figure 1. The findings of the basement and vault assessment are summarized below:

Basement

At the time of the assessment, the basement located beneath the north/central portion of the facility was divided into three rooms (herein designated northern, central and southern). The northern room contained rows of metal framed shelves that were empty of contents at the time of the assessment. The central room contained fire suppression piping and access to a freight elevator. The southern room contained access to a freight elevator, an electrical powered compressor, empty storage cabinets, an oven, a sump and sump-pump, and metal framed shelves that were empty of contents. A sketch of this basement is provided in Figure 2.

The floors in each room of the basement were constructed of poured concrete. Cracks in the concrete floor were observed trending generally southwest-northeast in the northern room, ranging from several feet long to the entire width of the room (i.e., approximately 19 feet). The cracks were less than approximately ½ inch wide and 1/8 inch deep. An L-shaped concrete patch was observed in the floor near the southern corner of the northern room. Intermittent areas of faded, purple-black staining and areas of apparent dry resin were also observed on the floor in the northern room. Cracking and staining were not observed on the concrete floors in the central and southern rooms. However, these floors were painted/sealed. [Note: On July 1, 2014, a test boring, designated TB-104 (refer to Figure 2) was advanced in the northern room of the basement, to a depth of approximately 5 feet below the floor surface, and a fill sample from this location was tested by an analytical laboratory. Field evidence of impact was not observed during drilling. The laboratory test results indicated the presence of volatile organic compounds (VOCs) semi-volatile organic compounds (SVOCs) and metals at concentrations below SCGs.]

The walls of the basement were constructed of poured concrete, except for the wall separating the northern and central rooms (i.e., constructed of plywood and lumber) and a portion of the northern wall of the northern room (i.e., an apparent former loading dock or door, currently filled with a concrete block wall). Foam-board insulation covered most of the wall surface in the northern room, and only the bottom (i.e., approximately 0.5 feet) of the wall surface was visible. The southern wall of the southern room was apparently unconnected (structurally) to the adjacent walls, and appeared to have been constructed at a later date. SolEpoxy facility personnel reported that this wall had been constructed in order to fill in the portion of the basement located further to the south (i.e., the area designated filled basement on Figure 1) prior to installing utility conduits below the ground floor. A system of horizontal pipes, constructed of PVC and transitioning to steel piping, was observed attached to the northeastern wall of the basement, starting at the southern wall of the southern room and exiting the basement toward the north at the southeast corner of the northern room. Based on the presence of in-line goose-neck traps, the pipe

construction material, and the pipe system configuration this pipe system is suspected to be a sanitary sewer line. A pipe chase containing seven steel pipes ranging in size from approximately 1-inch to 3-inches in diameter was observed in the northeastern wall of the southern room of the basement, located just below the ceiling. One of the pipes was connected to the apparent sanitary sewer line. The other steel pipes within the pipe chase were cut-off at the wall surface. The largest of these pipes was probed with a video scope and followed approximately 5 feet to the northeast, where the pipe was observed to be blocked by an apparent granular material. A section of the wall located opposite from these cut-off pipes was patched with concrete block, suggesting that the cut-off pipes observed in the pipe chase on the northeastern wall formerly extended across the basement and continued to the southwest of this area. Fire suppression piping was also observed in the basement, and an apparent manifold structure was observed in the central room. An approximate 8-inch diameter steel pipe was observed in the northeastern wall behind the manifold structure, cut-off at the wall surface. This pipe is suspected to have been formerly connected to the fire suppression pipe system, and it was probed with a video scope and followed approximately 12 feet to the northeast, where the pipe was observed to be blocked by apparent construction/demolition debris (i.e., brick, mortar, and fiberglass insulation).

The sump pit located in the southern room of the basement was constructed of an apparent poured concrete crock that was measured to be approximately 2.7 feet in diameter extending to a depth of approximately 6.3 feet below the surface of the basement floor. Approximately 0.5 feet of sediment was measured in the bottom of the sump (i.e. measured during the evaluation completed on July 29, 2014). A sump pump was mounted to the sump cover, and the discharge piping extended from near the bottom of the sump pit, through the pump and into piping entering the northeastern basement wall. The discharge piping exiting the sump pit was not visibly connected to any of the piping described above. Two small diameter pipes (i.e., condensate drain lines from a refrigeration unit mounted to the basement ceiling and a refrigeration unit in the cold storage room located above the basement) entered the top of the sump. No additional access ports (i.e., to accommodate pipes that may have formerly discharged into the sump) were observed in the sump cover. An approximate 2-inch diameter pipe was also observed in the sidewall of the sump, approximately 2.3 feet below the top of the sump. This pipe was probed with a video scope and followed approximately 5.2 feet to the south, where a Y-junction was encountered. The video scope entered the southeast branch of the Y-junction and traveled approximately 1.3 feet further, past which point the video scope could not be pushed. Attempts were made to probe the southwest branch of the Y-junction, but these attempts were not successful. A cross-sectional sketch of the sump pit is provided as Figure 3.

Boiler Room Vault

On May 21, 2014, a sample of the standing water (i.e., as observed in the vault located beneath the boiler room during the 2013 Phase I ESA) was collected and tested for the parameters outlined in the City of Olean Industrial Pretreatment Program Wastewater Discharge Permit No. E-1-12 (these test results are not provided in this Site Observation Report). The facility received permission from the City of Olean to discharge water to the municipal sewer system, and the standing water was subsequently pumped out of the vault and discharged into the sanitary sewer. It is estimated that the vault contained approximately 19,000 gallons of standing water prior to discharge. A sketch of the boiler room vault is provided in Figure 4.

NYSDEC BCP SITE NUMBER: C905038	DATE: October 6, 2014 and October 23, 2014
PROJECT: 4884S-13	LOCATION: 211 Franklin Street, Olean, NY

During the basement/vault assessment that was conducted on October 6, 2014, residual standing water was encountered on the floor in portions of the boiler room vault and the depth of this water did not exceed approximately 0.25 feet. A thin layer (i.e., approximately 0.05 feet thick) of sediment was observed across both wet and dry areas of the vault floor. This sediment is fine grained (i.e., silt to clay) and it exhibited a brown color at the surface. A black, inky- type sediment was also observed in areas where the sediment was disturbed (i.e., by foot traffic during the assessment). A faint petroleum-type odor was noted in the vault subsequent to disturbing the sediments.

Based on the patterns of the undisturbed sediment observed, and the observations made on the portions of the floor where sediment was disturbed, the boiler room vault floors were constructed of brick and mortar. A low wall that extended the width of the vault was observed to be capped with apparent clay bricks and cement mortar. It is assumed that the floor bricks and mortar are of the same material as the low wall. Floor cut-outs were observed on either side of the low wall (i.e., one on each side) near the northwest wall of the boiler room vault. The openings of these floor cut-outs measured approximately 0.5 feet by 1.0 feet (northwest side) and 0.5 feet by 1.5 feet (southeast side) and each floor cut-out is approximately 0.5 feet deep. Both floor cut-outs contained approximately 2 inches of sediment. The residual standing water was observed to be approximately the same depth on both sides of the wall, and since the boiler room vault was pumped out from the southwest end, it is assumed that these floor cut-outs are connected via a conduit to allow liquid levels to equilibrate on either side of the low wall. However, a conduit between the floor cut-outs was not observed during the assessment.

The walls of the boiler room vault are constructed of poured concrete, and a layer of apparent tar paper covered portions of the walls. The tar paper had deteriorated and fallen off of the concrete walls in some areas, and dissolved tar paper may have been the source of the black sediment and faint petroleum odors observed at the time of the assessment.

Apparent 4-inch diameter sanitary sewer piping was observed suspended from the walls of the vault in the southwestern portion of the vault, trending from the southwest wall to the northwest wall. Two 2-inch diameter drain pipes protruded through the boiler room vault ceiling, and connected to the apparent sanitary sewer piping. The locations of these drain pipes correlate to the locations of floor drains in the boiler room (i.e., in the room above the vault) which receive boiler blowdown. One drain pipe was observed to be covered with rust, and a steady drip of apparent water from this pipe was observed accumulating on the floor of the boiler room vault. It is assumed that this leaking pipe is the source of the sanding water that accumulated in the boiler room vault.

Epoxy Room Tank Vaults

The epoxy room tank vaults (i.e., two adjacent vaults) are located beneath the south-central portion of the building, and they are separated by a concrete block wall. Each vault contains a single-walled, steel, liquid storage tank that was measured to be approximately 10 feet in diameter and approximately 15 feet long. The tanks are suspended approximately 1 foot above the floor on concrete saddles. The tanks were empty of liquids at the time of the site visit, and a square section on the northeast sidewall of each tank had been cut out, rendering the tank un-usable. It was reported by SolEpoxy facility personnel that the epoxy room vault tanks formerly contained castor oil and (epoxy?) resin. However, it is not known what (if any) other materials were formerly stored in these tanks in the past. A plan view sketch of the epoxy room tank vaults is provided as Figure 5 and a cross-sectional sketch is provided as Figure 6.

The floors of the epoxy room tank vaults are constructed of poured concrete. Black stains, sticky resin, and/or a hardened translucent resin covered portions of the epoxy room tank vault floors at the time of the assessment. A rectangular shaped sump pit was observed in the floor in the southwest epoxy room tank vault, located to the northwest of the storage tank. This sump pit was filled to the level of the floor with a hard, translucent resin material. A circular sump pit was observed in the floor in the northeast epoxy room tank vault, located in the northern corner of the vault. This sump was probed with a hand tool, and an apparent hard bottom was observed approximately 5 inches below the surface of the floor. The sump contained approximately 2 inches of a viscous amber colored liquid.

With the exception of the wall separating the two vaults, the walls of the epoxy room tank vaults were constructed of poured concrete. Slight pitting of the concrete surface was observed in two locations on the northeastern wall of the northeast epoxy room tank vault. Additionally, a portion of the concrete block wall (i.e., separating the two vaults) was missing at the floor level, creating an approximate 0.5-foot square conduit between the two vaults. Black staining (i.e., not indicative of petroleum) was observed on the base of the walls (i.e., starting at the floor surface and extending up the walls approximately 0.5 feet) around the perimeter of both epoxy room tank vaults, and this staining was more pronounced in the northeast vault. Portions of the walls above this perimeter staining were also stained black, and this staining had the appearance of splashed liquid. Black staining was also observed on the ceiling and upper portion of the south wall in the southeast corner of the eastern vault and this staining appeared to originate from cracks in the ceiling.

Product supply and return piping was observed connected to the bottom and top of each tank (respectively), and a pump, connected in-line to the supply piping, was observed adjacent to each tank. The product piping for both tanks was routed to the southwest corner of the western vault, at which location the piping protruded though the vault ceiling.

Underground Storage Tank

An underground storage tank (UST) is located beneath the floor in the south-central portion of the building, oriented approximately southwest-northeast. This UST appeared to be constructed of steel and it was empty of liquids at the time of the assessment. Based on its age and observations made around the exterior portions of the access port, the UST did not appear to have secondary containment features. The interior of the UST was measured using a laser distance meter and the diameter was approximately 10 feet and length 17.5 feet. Thus, an approximate capacity of 10,000-gallons is calculated for this UST. A sketch of the UST is provided as Figure 7.

The interior of the UST was inspected using a video scope and photographed from the vantage point of the access port in the top of the UST. The interior surfaces of the UST were covered in a layer of rust, and this rust was most prominent along the tank invert, where apparent scale was observed. This scale extended along the tank invert to each end wall. The scale observed at the junction of the tank invert and the end walls appeared to be separating from those junctions, and may indicate breaks in the seams of the UST along the invert at the end walls. [Note: On June 19, 2014, a test boring designated TB-118 was advanced approximately 3 feet to the north of the UST to a depth of approximately 34 feet below the floor surface. This test boring was subsequently completed as monitoring well MW-N. Field evidence of impact was not observed in the unsaturated soil or fill at this location. A fill sample collected from approximately 14-16 feet below the floor surface (i.e., approximately 2-4 feet below the bottom of the

UST) at this location was tested by an analytical laboratory. In addition, two rounds of groundwater were collected and tested from monitoring well MW-N. Laboratory test results did not indicate the presence of VOCs (except acetone at a concentration 0.0018 ppm) or SVOCs in the fill sample, nor were target VOCs/SVOCs detected in the groundwater samples. However, chromium was detected at concentrations of 309 parts per billion (ppb) and 148 ppb in the groundwater samples collected from monitoring well MW-N. These concentrations exceed the TOGs 1.1.1 of 50 ppb.]

A uniform line of rust/discoloration was observed around the perimeter of the UST interior, approximately 3 feet above the tank invert. This may indicate a period of prolonged storage of un-used liquids within the UST.

An apparent product supply pipe was observed extending from just above the tank invert and connected to the north sidewall/top of the UST via a pipe flange. The extent of the product supply piping outside of the UST is not known. An additional pipe was observed protruding from the northeast end wall, and was closed near the surface of the end wall with an apparent threaded pipe cap. The extent of this pipe outside of the UST is not known.

Closed Basement

On June 24, 2014, a 3-inch diameter hole was cored through the concrete floor slab in order to advance test boring TB-111 (refer to Figure 1). A previously unknown basement area was encountered below the concrete floor at this location. Test boring TB-111 was not continued below the floor slab, because the corner of a steel I-beam located below the concrete floor prevented the advancement of the drilling equipment.

During the basement/vault assessment that occurred on October 6, 2014, the video scope was advanced though the 3-inch diameter hole into the previously unknown basement area. Due to poor lighting within the basement and inability to maneuver the camera around the basement from 3-inch diameter opening in the floor, a comprehensive visual assessment of the previously unknown basement area could not be completed on this date.

On October 23, 2014, an 8-inch diameter hole was cored though the concrete floor slab approximately 10 feet to the northwest of TB-111 (refer to Figure 1). A work light and a pole-mounted camera were inserted through the hole into the closed basement and a visual inspection of the area was subsequently completed. The dimensions of the closed basement were measured using a laser distance meter, to the extent possible, from the vantage point of the 8-inch diameter hole. A PID was also inserted through the hole, and the air within the closed basement was screened for VOCs.

Based on the evaluation conducted on October 23, 2014, the closed basement appeared empty except for a stack of concrete blocks, and a door that was on its side, propped against the northeastern wall. Two alcoves were observed extending into the southern wall of the closed basement, and appeared empty of contents. The concrete wall observed at the north end of the closed basement appeared to be of newer construction than the other basement walls, and (unlike the other walls) was unpainted. Concrete support columns were observed in the closed basement, as well as a pool of dried mortar in which the year 1996 was inscribed. According to the SolEpoxy Facilities Manager, a portion of the floor above the closed

basement collapsed in 1996 and a contractor was retained to construct the support columns in the closed basement prior to repairing the floor.

The floor of the closed basement appeared damp, and warm moist air was noted flowing through the 8-inch diameter hole. However, standing water was not observed in the closed basement. The damp conditions may have been due, at least in part, to water introduced from the use of the core drill. PID readings in the closed basement ranged from 0.0 parts per million (ppm) to 2.1 ppm. However, the PID may have been affected by the high moisture content in the air.

An additional 8-inch diameter hole was cored approximately 70 feet to the northwest (refer to Figure 1) to observe the former basement in this area. A coarse gravel fill material was encountered immediately below the floor at this location. Some of the gravel was imbedded in the concrete core cut from the floor, suggesting that the floor had been poured on the fill material. A PID was used to screen the gravel, and PID readings over the gravel ranged from 0.0 ppm to 6.2 ppm. However, the PID may have been affected by the high moisture content in the gravel due to water introduced from the core drill.

Based on the observations completed to date, and the information provided verbally by the SolEpoxy Facilities Manager, it appears that the basement area between the southern wall of the northeast basement and the northern wall of the closed basement, (i.e., an area with approximate dimensions of 19 feet by 70 feet) was closed and filled-in during the renovation and expansion of this portion of the facility.

FIGURES

Figure 1 - Site Plan Depicting Basements, Vaults, and UST

Figure 2 - Basement Floor Plan

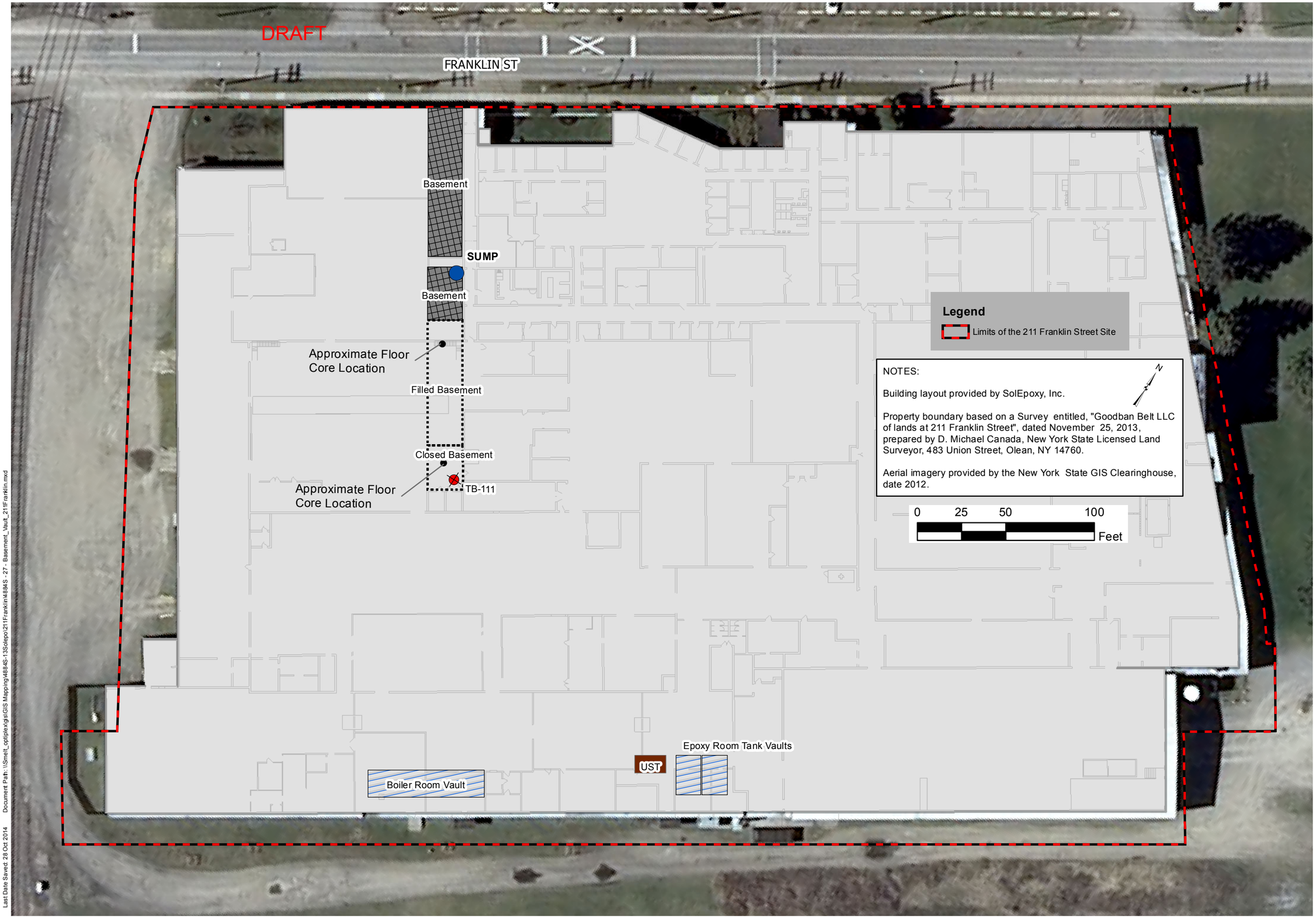
Figure 3 - Basement Sump Section

Figure 4 - Boiler Room Vault Floor Plan

Figure 5 - Epoxy Room Tank Vault Floor Plan

Figure 6 - Epoxy Room Tank Vault Section

Figure 7 - Underground Storage Tank Section



Last Date Saved: 28 Oct 2014 Document Path: \\Smell_optiplex\gis\GIS Mapping\4884S-13Solepo\211Franklin\4884S - 27 - Basement_Vault_211Franklin.mxd

DESIGNED BY	RLK
DATE	10-2014
DRAWN BY	CPS/CAH
DATE DRAWN	10-2014
SCALE	AS NOTED
DATE ISSUED	10-21-2014

DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
211 FRANKLIN STREET
OLEAN, NEW YORK

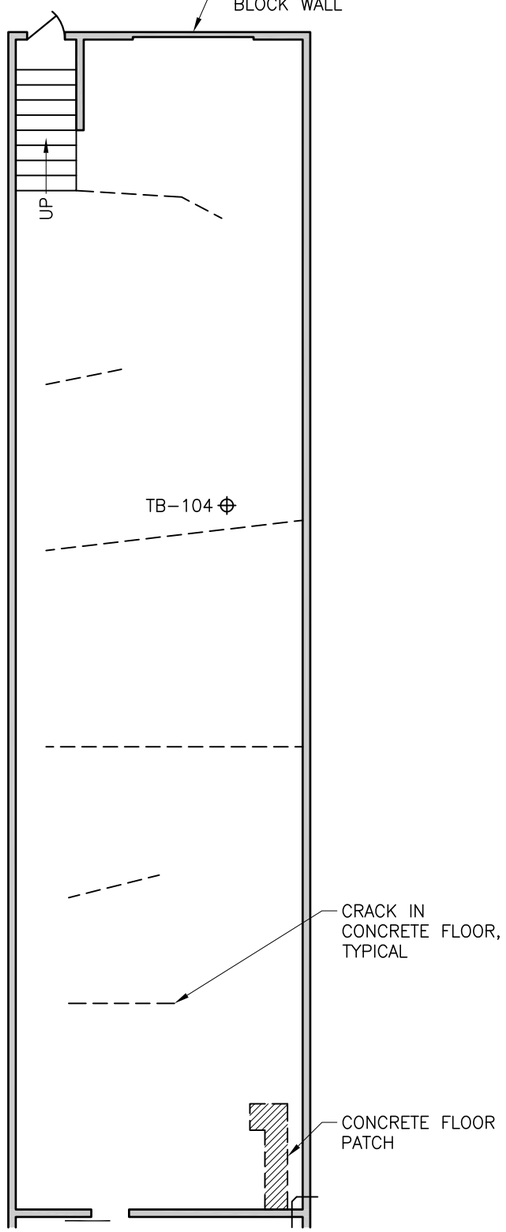
RI/RAA SUPPLIMENTAL WORK PLAN

Drawing Title
Site Plan Depicting Basement, Vaults, and UST

Project No.
4884S-13

FIGURE 1

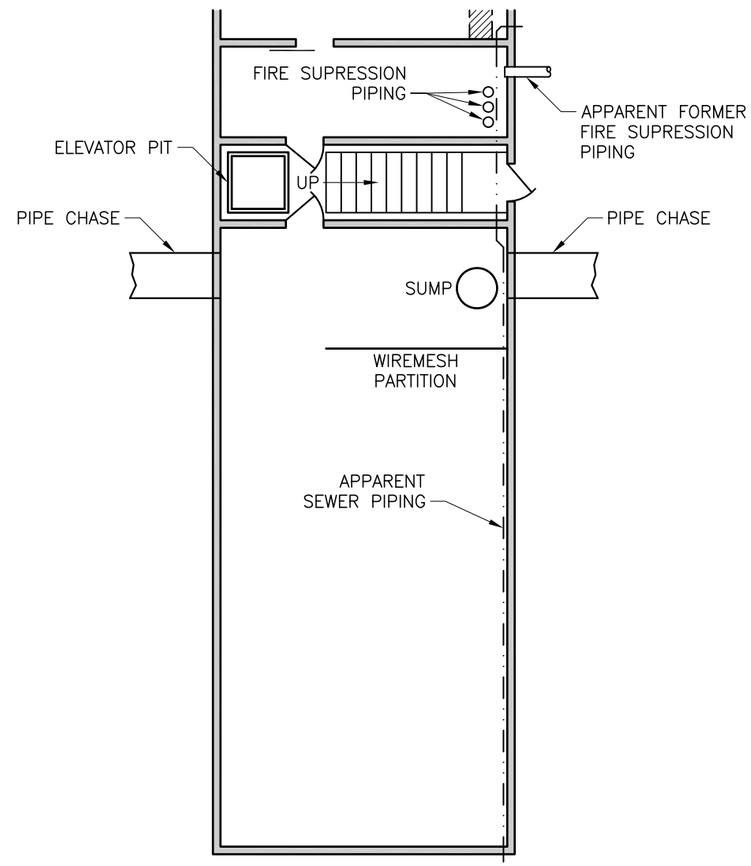
DRAFT



BASEMENT FLOOR PLAN - NORTH PORTION

SCALE 1" = 10'

0' 10' 20' 30'



BASEMENT FLOOR PLAN - SOUTH PORTION

SCALE 1" = 10'

0' 10' 20' 30'

LEGEND

TB-104 APPROXIMATE LOCATION OF TEST BORING

FIELD VERIFIED	CAH
DATE	10-6-2014
DRAWN BY	RJM
DATE DRAWN	10-13-2014
SCALE	As Noted
DATE ISSUED	10-27-2014

DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14606
NEW YORK, NEW YORK 10170

PROJECT TITLE
211 FRANKLIN STREET
OLEAN, NEW YORK

BASEMENT - VAULT ASSESSMENT

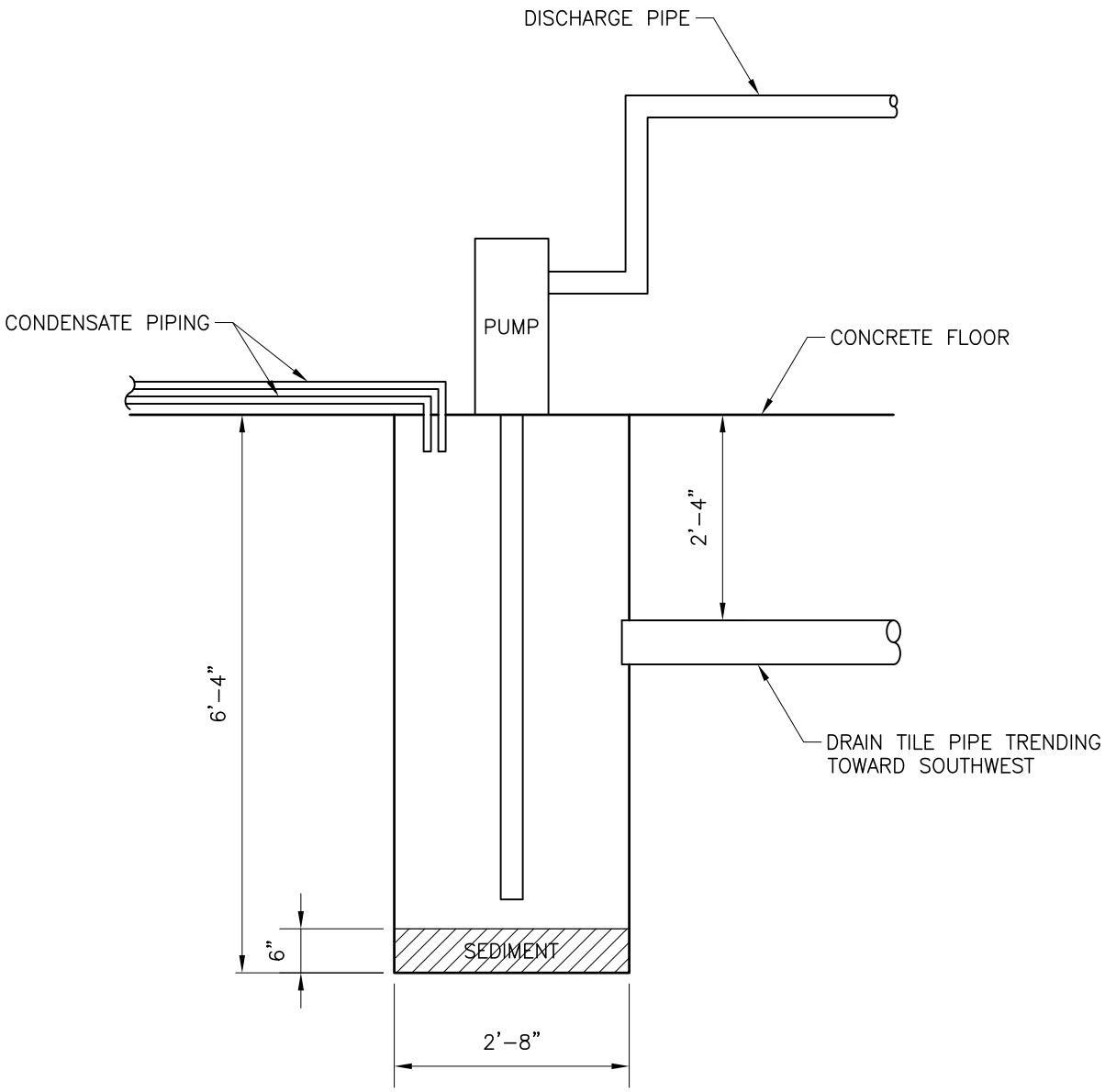
DRAWING TITLE
Basement Floor Plan

PROJECT NO.
4884S-14

FIGURE 2

Time Plotted: Monday, October 27, 2014 11:35:39 AM
File Name: P:\Drawings\Sol Epoxy\4884S-13\Basement Plan.dwg
Xerox432AnsiB-2; 11 x 17
Layout Name: Layout1
Pen Setting File: 800psFullcolor.ctb
Ref1:
Ref2:
Ref3:

DRAFT



BASEMENT SUMP SECTION

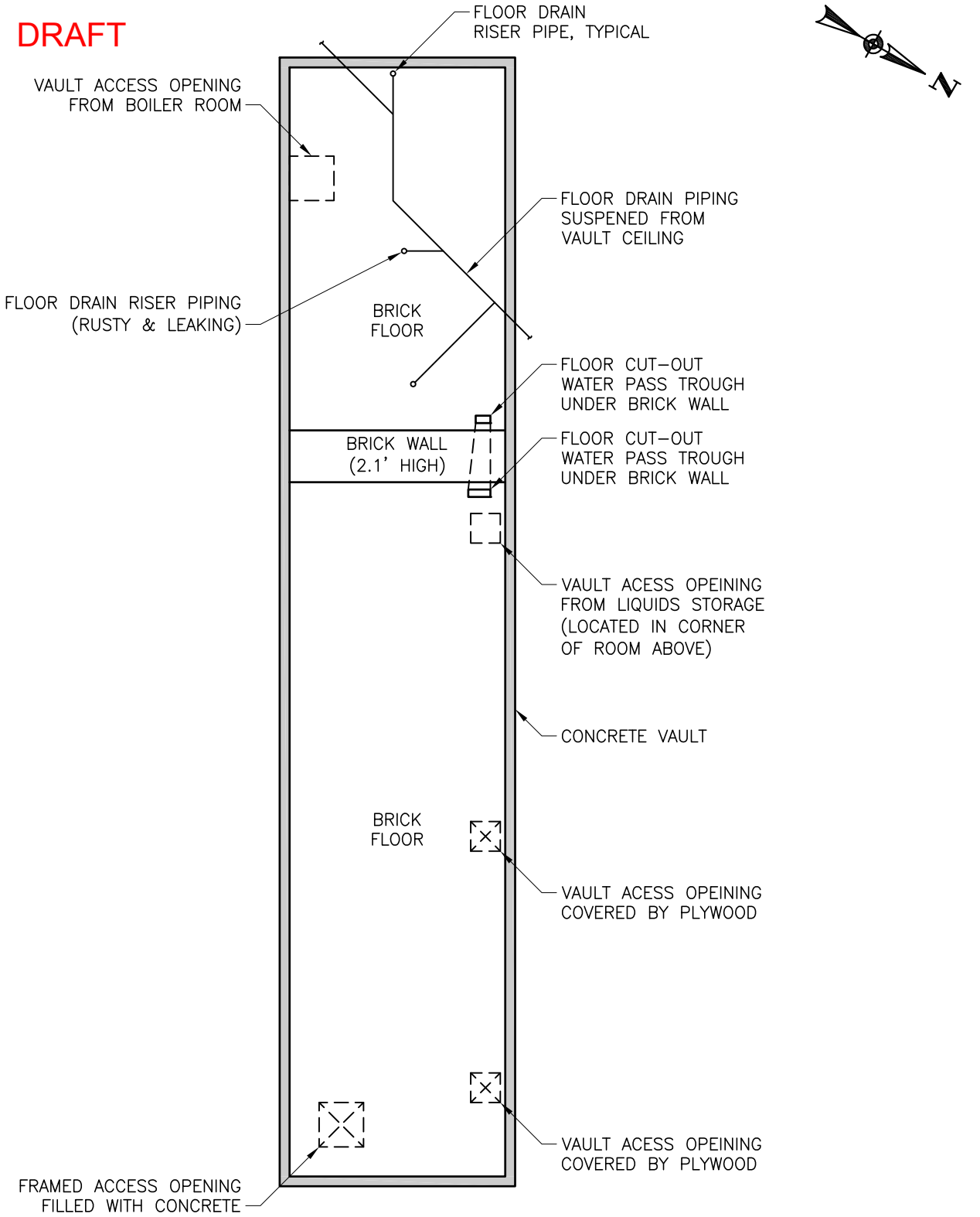
SCALE 1" = 5'

0' 5' 10'

DATE 10-22-2014	DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14606 NEW YORK, NEW YORK 10170	PROJECT TITLE 211 FRANKLIN STREET OLEAN, NEW YORK BASEMENT - VAULT ASSESSMENT	PROJECT NO. 4884S-14
DRAWN BY RJM		DRAWING TITLE Basement Sump Section	FIGURE 3
SCALE As Noted			

Ref1: Time Plotted: Wednesday, October 22, 2014 7:36:35 AM Ref2: Ref3: File Name: P:\Drawings\Sol Epoxy\4884S-13\Basement Sump Section.dwg Layout: Layout1 Pen Setting File: 800psFullcolor.ctb

DRAFT



BOILER ROOM VAULT FLOOR PLAN

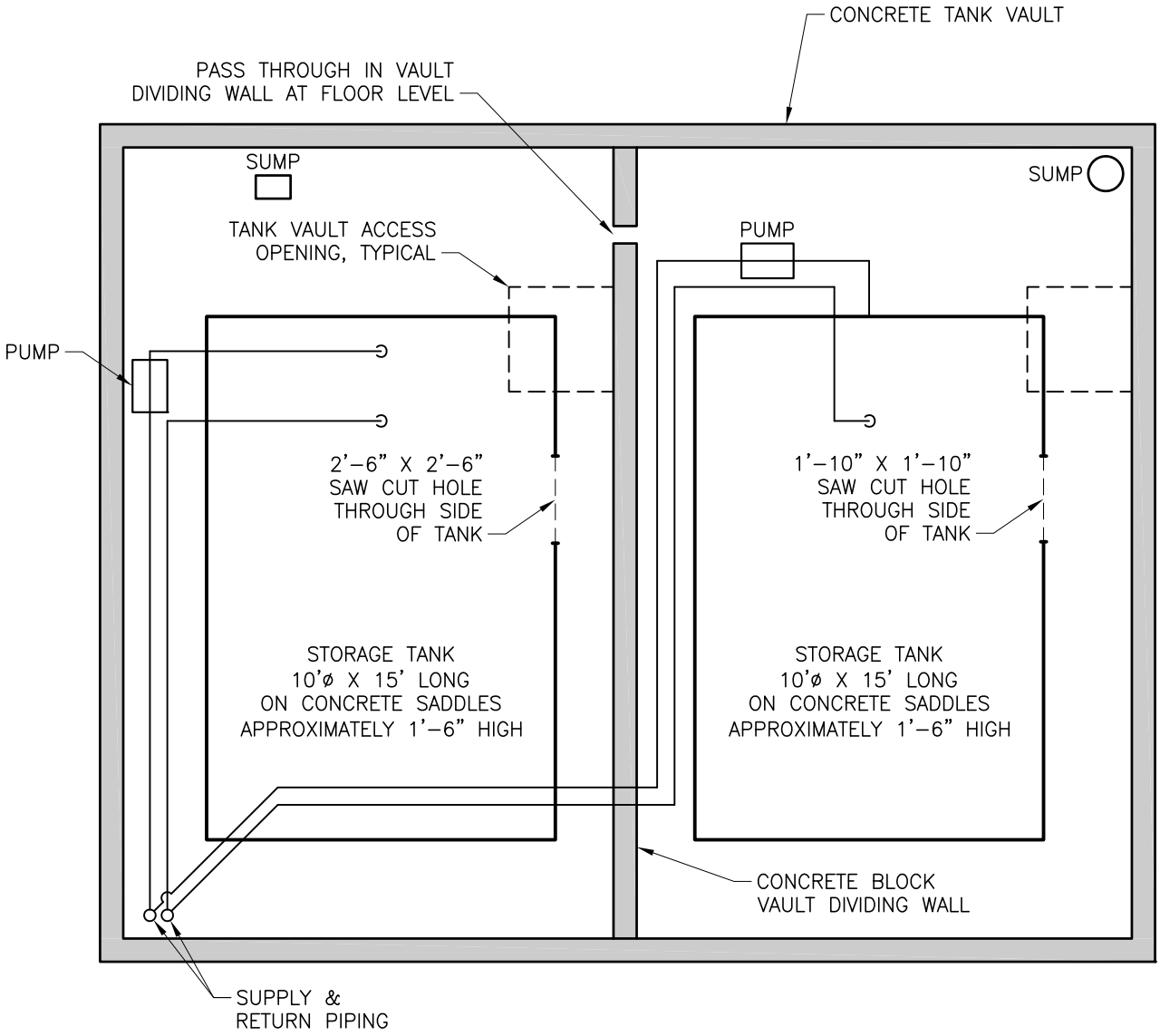
SCALE 1" = 10'

0' 10' 20'

DATE 10-22-2014	DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14606 NEW YORK, NEW YORK 10170	PROJECT TITLE 211 FRANKLIN STREET OLEAN, NEW YORK	PROJECT NO. 4884S-14
DRAWN BY RJM		BASEMENT - VAULT ASSESSMENT	FIGURE 4
SCALE As Noted		DRAWING TITLE Boiler Room Vault Floor Plan	

Ref1: Time Plotted: Wednesday, October 22, 2014 7:39:12 AM Ref2: Ref3: File Name: P:\Drawings\Sol Epoxy\4884S-13\Boiler Room Vault.dwg Layout: Layout1 Pen Setting File: 800psFullcolor.ctb

DRAFT



EPOXY ROOM TANK VAULT FLOOR PLAN

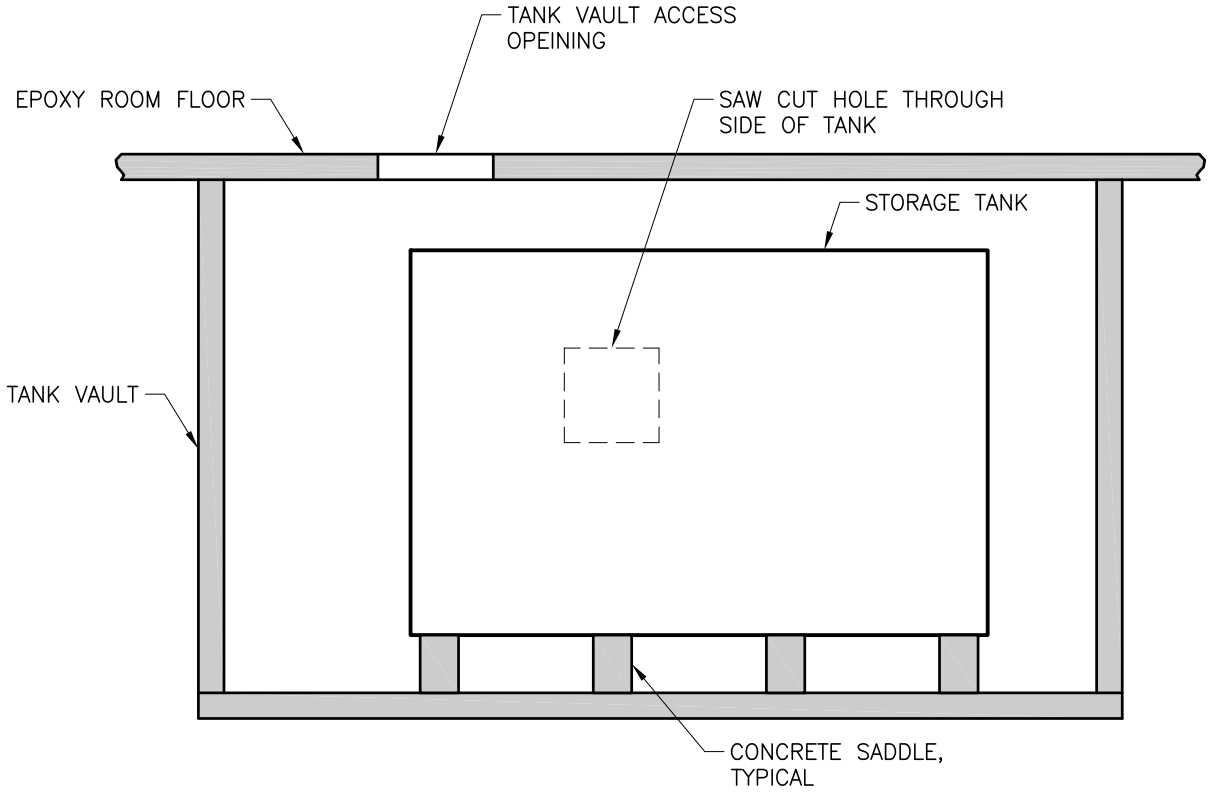
SCALE 1" = 5'

0' 5' 10'

DATE 10-22-2014	DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14606 NEW YORK, NEW YORK 10170	PROJECT TITLE 211 FRANKLIN STREET OLEAN, NEW YORK	PROJECT NO. 4884S-14
DRAWN BY RJM		BASEMENT - VAULT ASSESSMENT	FIGURE 5
SCALE As Noted		DRAWING TITLE Epoxy Room Tank Vault Floor Plan	

Ref1: Time Plotted: Wednesday, October 22, 2014 7:41:25 AM Ref2: Ref3: Layout: Layout1 File Name: P:\Drawings\Sol Epoxy\4884S-13\Tank Vault.dwg Pen Setting File: 800psFullcolor.ctb

DRAFT



EPOXY ROOM TANK VAULT SECTION

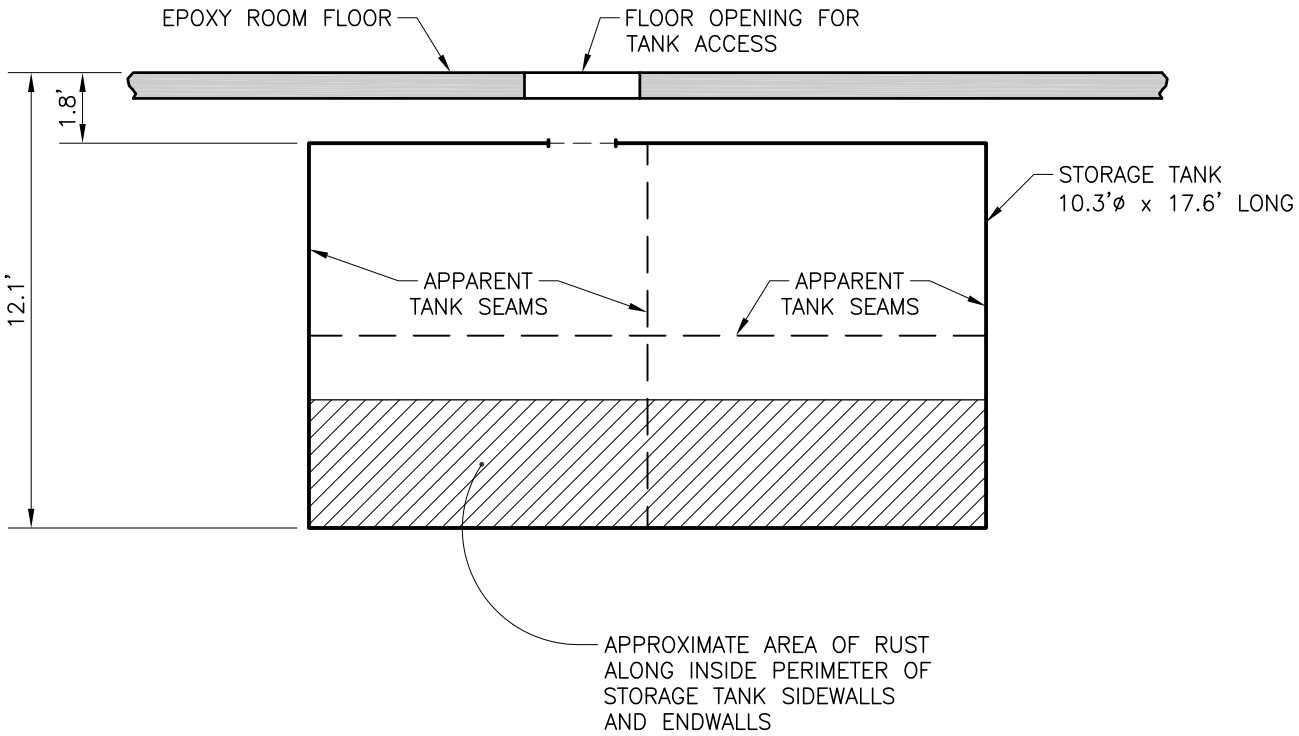
SCALE 1" = 5'

0' 5' 10'

DATE 10-22-2014	day DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14606 NEW YORK, NEW YORK 10170	PROJECT TITLE 211 FRANKLIN STREET OLEAN, NEW YORK BASEMENT - VAULT ASSESSMENT	PROJECT NO. 4884S-14
DRAWN BY RJM		DRAWING TITLE Epoxy Room Tank Vault Section	FIGURE 6
SCALE As Noted			

Ref1: Time Plotted: Wednesday, October 22, 2014 7:43:02 AM Ref2: Ref3: Layout: Layout1 Pen Setting File: 800psFullcolor.ctb
File Name: P:\Drawings\Sol Epoxy\4884S-13\Tank Vault Section.dwg

DRAFT



UNDERGROUND STORAGE TANK SECTION

SCALE 1" = 5'

0' 5' 10'

DATE 10-27-2014	DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14606 NEW YORK, NEW YORK 10170	PROJECT TITLE 211 FRANKLIN STREET OLEAN, NEW YORK	PROJECT NO. 4884S-14
DRAWN BY RJM		BASEMENT - VAULT ASSESSMENT	FIGURE 7
SCALE As Noted		DRAWING TITLE Underground Storage Tank Section	

Ref1: Time Plotted: Monday, October 27, 2014 11:33:32 AM File Name: P:\Drawings\Sol Epoxy\4884S-13\Tank Section.dwg
Ref2: Layout: Layout1
Ref3: Pen Setting File: 800psFullcolor.ctb

DRAFT

APPENDIX G

WELL DEVELOPMENT AND SAMPLING LOGS

DRAFT

WELL DEVELOPMENT LOGS

DRAFT

WELL DEVELOPMENT DATA
MW-B

SITE LOCATION: 211 Franklin Street, Olean, New York JOB#: 4884S-13

DATE/ TIME	9-19-13 13:15	9-19-13 13:25	9-19-13 12:35	9-19-13 1:50				
EVACUATION METHOD	Bailer	Bailer	Bailer	Bailer				
PID/FID (PPM)	169	485	83.0	61.5				
DEPTH OF WELL (FT)	31.88	31.88	31.88	31.88	Note: the well casing was cut down approximately 4.1' subsequent to development on 9/19/13.			
STATIC WATER LEVEL (SWL) FT	23.22	23.3	22.91	23.22				
VOLUME EVACUATED (GAL)	0	0.35	0.35	0.35				
TOTAL VOLUME EVACUATED (GAL)	0	0.35	0.70	1.05				
TEMPERATURE (^{O}C)	15.3	16.7	16.9	16.0				
pH	6.93	6.88	6.90	6.92				
ORP (mV)	-143	-147	-153	-150				
CONDUCTIVITY (ms/cm)	2.26	2.13	2.13	2.13				
TURBIDITY (NTU)	>800	>800	>800	>800				
VISUAL OBSERVATION	Very Cloudy, Chemical Odor, Gray/Black	Very Cloudy, Chemical Odor, Gray/Black. Petroleum Sheen	Very Cloudy, Chemical Odor, Gray/Black, Petroleum Sheen	Very Cloudy, Chemical Odor, Gray/Black, Petroleum Sheen				

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

DRAFT

WELL DEVELOPMENT DATA
MW-C

SITE LOCATION: 211 Franklin Street, Olean, New York JOB#: 4884S-13

DATE/ TIME	9-19-13 8:30	9-19-13 9:10	9-19-13 9:24	9-19-13 9:35	9-19-13 9:45	9-19-13 10:15		
EVACUATION METHOD	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer		
PID/FID (PPM)	0.0	0.6	0.3	0.3	0.0	1.3		
DEPTH OF WELL (FT)	27.87	27.87	27.87	27.87	27.87	27.87		
STATIC WATER LEVEL (SWL) FT	23.9	24.0	24.01	24.08	24.17	24.20		
VOLUME EVACUATED (GAL)	0	0.2	0.2	0.2	0.2	0.2		
TOTAL VOLUME EVACUATED (GAL)	0	0.2	0.4	0.6	0.8	1.0		
TEMPERATURE (^{O}C)	12.7	13.5	13.3	13.3	13.5	13.5		
pH	6.39	7.14	7.23	7.27	7.34	7.27		
ORP (mV)	-55	-33	-40	-34	-20	-37		
CONDUCTIVITY (ms/cm)	1.18	1.20	1.22	1.20	1.25	1.21		
TURBIDITY (NTU)	>800	>800	>800	>800	>800	>800		
VISUAL OBSERVATION	Very Cloudy, (opaque) No Odor	Very Cloudy, (opaque) No Odor	Very Cloudy, (opaque) No Odor	Very Cloudy, (opaque) No Odor	Very Cloudy, (opaque) No Odor	Very Cloudy, (opaque) No Odor		

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

DRAFT

WELL DEVELOPMENT DATA
MW-D

SITE LOCATION: 211 Franklin Street, Olean, New York JOB#: 4884S-13

DATE/ TIME	9-19-13 8:50	9-19-13 9:20	9-19-13 9:40	9-19-13 9:55	9-19-13 10:10	9-19-13 10:25		
EVACUATION METHOD	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer		
PID/FID (PPM)	3.9	751	N/C	575	92	115		
DEPTH OF WELL (FT)	29.7	29.7	29.7	29.7	29.7	29.7	Note: the well casing was cut down approximately 0.25' subsequent to development on 9/19/13.	
STATIC WATER LEVEL (SWL) FT	23.85	24.00	23.90	24.05	24.15	23.95		
VOLUME EVACUATED (GAL)	0.0	0.5	0.5	0.5	0.5	0.5		
TOTAL VOLUME EVACUATED (GAL)	0.0	0.5	1.0	1.5	2.0	2.5		
TEMPERATURE (^{O}C)	15.8	15.0	15.3	15.2	15.1	15.4		
pH	6.78	7.06	7.09	7.16	7.12	7.10		
ORP (mV)	-108	-105	-102	-118	NC	-121		
CONDUCTIVITY (ms/cm)	1.36	1.39	1.37	1.40	1.40	1.43		
TURBIDITY (NTU)	>800	>800	>800	>800	>800	>800		
VISUAL OBSERVATION	Gray/Black Chemical Odor, Sheen	Gray/Black Chemical Odor, Sheen	Gray/Black Chemical Odor, Sheen	Gray/Black Chemical Odor, Sheen	Gray/Black Chemical Odor, Sheen	Gray/Black Chemical Odor, Sheen		

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW-E

DRAFT

SITE LOCATION: 211 Franklin Street, Olean, New York

JOB#: 4884S-13

DATE/ TIME	9-19-13 12:15	9-19-13 12:22	9-19-13 12:32	9-19-13 12:44				
EVACUATION METHOD	Bailer	Bailer	Bailer	Bailer				
PID/FID (PPM)	0.6	0.9	1.2	0.9				
DEPTH OF WELL (FT)	32.78	32.78	32.78	32.78				
STATIC WATER LEVEL (SWL) FT	26.12	26.12	25.95	26.11				
VOLUME EVACUATED (GAL)	0.0	0.25	0.25	0.25				
TOTAL VOLUME EVACUATED (GAL)	0.0	0.25	0.5	0.75				
TEMPERATURE (^{O}C)	14.7	15.1	14.8	14.8				
pH	7.22	7.23	7.20	7.22				
ORP (mV)	-105	-26	-12	-18				
CONDUCTIVITY (ms/cm)	1.60	1.58	1.60	1.60				
TURBIDITY (NTU)	>800	>800	>800	>800				
VISUAL OBSERVATION	Cloudy, Brown, No Odor	Cloudy, Brown, No Odor	Cloudy, Brown, No Odor	Cloudy, Brown, No Odor				

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW-F

DRAFT

SITE LOCATION: 211 Franklin Street, Olean, New York

JOB#: 4884S-13

DATE/ TIME	6/27/14 7:30	6/27/14 7:45	6/27/14 7:50	6/27/14 7:55	6/27/14 8:00	6/27/14 8:10	6/27/14 8:15	6/27/14 8:25
EVACUATION METHOD	Gas Pump	Gas Pump	Gas Pump	Gas Pump	Gas Pump	Gas Pump	Gas Pump	Gas Pump
PID/FID (PPM)	240	NC	NC	NC	NC	NC	NC	NC
DEPTH OF WELL (FT)	26.1	25.80	25.80	25.80	25.80	25.80	25.80	25.80
STATIC WATER LEVEL (SWL) FT	18.39	18.39	18.85	18.85	18.85	18.85	18.85	18.85
VOLUME EVACUATED (GAL)	0.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
TOTAL VOLUME EVACUATED (GAL)	0.0	1.0	2.0	3.0	5.0	7.0	9.0	11.0
TEMPERATURE (^{O}C)	14.5	14.2	13.7	13.4	13.4	13.3	13.3	13.3
pH	6.01	6.14	6.21	6.23	6.25	6.25	6.25	6.25
ORP (mV)	-14	-41	-49	-66	-75	-16	-189	-370
CONDUCTIVITY (ms/cm)	2.02	1.82	1.82	1.93	1.95	2.02	2.03	1.97
TURBIDITY (NTU)	>800	821	>800	>800	NC	>800	>800	>800
VISUAL OBSERVATION	NC	NC	NC	NC	NC	NC	NC	NC

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

DRAFT

WELL DEVELOPMENT DATA
MW-G

SITE LOCATION: 211 Franklin Street, Olean, New York JOB#: 4884S-13

DATE/ TIME	6/30/14 12:20	6/30/14 12:30	6/30/14 12:45	6/30/14 12:50	6/30/14 1:00	6/30/14 1:10	6/30/14 1:20	
EVACUATION METHOD	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	
PID/FID (PPM)	2.00	NC	NC	NC	NC	NC	NC	
DEPTH OF WELL (FT)	32.85	32.75	32.75	32.75	32.75	32.75	32.75	
STATIC WATER LEVEL (SWL) FT	22.80	22.00	22.9	22.9	22.9	22.9	22.9	
VOLUME EVACUATED (GAL)	0.0	2.00	2.00	2.00	2.00	2.00	2.00	
TOTAL VOLUME EVACUATED (GAL)	0.0	2.00	4.00	6.00	8.00	10.00	12.00	
TEMPERATURE (^{O}C)	18.7	18.0	17.8	17.8	18.0	19.0	18.0	
pH	6.36	6.32	6.29	6.25	6.25	6.28	6.28	
ORP (mV)	-34	-116	-229	-260	-300	-322	-330	
CONDUCTIVITY (ms/cm)	1.82	1.79	1.73	2.00	2.10	2.13	2.04	
TURBIDITY (NTU)	>800	>800	>800	>800	>800	>800	>800	
VISUAL OBSERVATION	NC	NC	NC	NC	NC	NC	NC	

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

DRAFT

WELL DEVELOPMENT DATA
MW-H

SITE LOCATION: 211 Franklin Street, Olean, New York JOB#: 4884S-13

DATE/ TIME	6/30/14 1:30	6/30/14 1:40	6/30/14 1:50	6/30/14 2:00	6/30/14 2:10	6/30/14 2:20		
EVACUATION METHOD	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer		
PID/FID (PPM)	69	NC	NC	NC	NC	NC		
DEPTH OF WELL (FT)	28.00	28.00	28.00	28.00	28.00	28.00		
STATIC WATER LEVEL (SWL) FT	22.65	24.65	24.11	23.95	23.80	23.80		
VOLUME EVACUATED (GAL)	0.0	2.0	2.0	2.0	2.0	2.0		
TOTAL VOLUME EVACUATED (GAL)	0.0	2.0	4.0	6.0	8.0	10.0		
TEMPERATURE (^{O}C)	19.4	19.1	19.1	19.1	19.1	19.1		
pH	6.29	6.27	6.22	6.30	6.30	6.31		
ORP (mV)	-218	-162	-162	-151	-172	-185		
CONDUCTIVITY (ms/cm)	3.10	3.08	2.74	2.90	3.12	3.10		
TURBIDITY (NTU)	817	>800	>800	>800	>800	>800		
VISUAL OBSERVATION	Oil Sheen	NC	NC	NC	NC	NC		

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

DRAFT

WELL DEVELOPMENT DATA
MW-I

SITE LOCATION: 211 Franklin Street, Olean, New York JOB#: 4884S-13

DATE/ TIME	6/30/14 2:36	6/30/14 2:40	6/30/14 2:50	6/30/14 3:00	6/30/14 3:05	6/30/14 3:12	6/30/14 3:20	6/30/14 3:30
EVACUATION METHOD	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer
PID/FID (PPM)	NC	NC	NC	NC	NC	NC	NC	NC
DEPTH OF WELL (FT)	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
STATIC WATER LEVEL (SWL) FT	22.54	22.54	22.54	22.54	22.54	22.54	22.54	22.54
VOLUME EVACUATED (GAL)	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL VOLUME EVACUATED (GAL)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0
TEMPERATURE (^{O}C)	17.1	16.6	16.5	16.5	16.4	16.4	16.4	16.4
pH	6.79	6.60	6.46	6.38	6.33	6.32	6.32	6.28
ORP (mV)	-184	-185	-198	-179	-151	-130	-125	-125
CONDUCTIVITY (ms/cm)	0.99	1.12	1.26	1.40	1.52	1.52	1.57	1.67
TURBIDITY (NTU)	>800	>800	>800	>800	>800	>800	>800	>800
VISUAL OBSERVATION	NC	NC	NC	NC	NC	NC	NC	NC

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

DRAFT

WELL DEVELOPMENT DATA
MW-J

SITE LOCATION: 211 Franklin Street, Olean, New York JOB#: 4884S-13

DATE/ TIME	6/27/14 8:53	6/27/14	6/27/14 9:20	6/27/14 9:30	6/27/14 9:40	6/27/14 9:56		
EVACUATION METHOD	Gas Pump	Gas Pump	Gas Pump	Gas Pump	Gas Pump	Gas Pump		
PID/FID (PPM)	NC	NC	NC	NC	NC	NC		
DEPTH OF WELL (FT)	32.15	32.15	32.15	32.75	32.75	32.75		
STATIC WATER LEVEL (SWL) FT	23.02	23.02	23.02	23.02	23.02	23.02		
VOLUME EVACUATED (GAL)	0.0	2.0	2.0	2.0	2.0	2.0		
TOTAL VOLUME EVACUATED (GAL)	0.0	2.0	4.0	6.0	8.0	10.0		
TEMPERATURE (^{O}C)	15.4	15.4	14.4	13.9	13.9	13.9		
pH	6.79	6.70	6.68	6.65	6.63	6.65		
ORP (mV)	NC	56	53	55	54	55		
CONDUCTIVITY (ms/cm)	13.5	1.12	1.09	1.12	1.10	1.10		
TURBIDITY (NTU)	>800	>800	>800	>800	>800	>800		
VISUAL OBSERVATION	Clear	NC	NC	NC	NC	NC		

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

DRAFT

WELL DEVELOPMENT DATA
MW-K

SITE LOCATION: 211 Franklin Street, Olean, New York

JOB#: 4884S-13

DATE/ TIME	6/24/14 1:03	6/24/14 1:15	6/24/14 1:30	6/24/14 1:40	6/24/14 1:48	6/24/14 1:52	6/24/14 1:57	
EVACUATION METHOD	Gas Pump	Gas Pump	Gas Pump	Gas Pump	Gas Pump	Gas Pump	Gas Pump	
PID/FID (PPM)	0.0	NC	NC	NC	NC	NC	NC	
DEPTH OF WELL (FT)	28.75	28.75	28.75	28.75	28.75	28.75	28.75	
STATIC WATER LEVEL (SWL) FT	19.27	19.63	25.7	20.3	20.40	21.1	21.2	
VOLUME EVACUATED (GAL)	0.0	2.0	2.0	2.0	2.0	2.0	2.0	
TOTAL VOLUME EVACUATED (GAL)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	
TEMPERATURE (^{O}C)	13.5	13.1	13.1	13.1	13.1	13.1	13.1	
pH	6.32	6.48	6.48	6.45	6.47	6.48	6.47	
ORP (mV)	-52	-107	-117	-128	-127	-128	-128	
CONDUCTIVITY (ms/cm)	1.27	1.19	1.18	1.14	1.16	1.17	1.16	
TURBIDITY (NTU)	>800	>800	>800	>800	>800	>800	>800	
VISUAL OBSERVATION	Gray, Turbid	NC	NC	NC	NC	NC	NC	

LEGEND:
NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

DRAFT

WELL DEVELOPMENT DATA
MW-L

SITE LOCATION: 211 Franklin Street, Olean, New York

JOB#: 4884S-13

DATE/ TIME	6/30/14 10:38	6/30/14 11:00	6/30/14 11:10	6/30/14 11:20	6/30/14 11:30	6/30/14 11:40	6/30/14 11:45	6/30/14 11:50
EVACUATION METHOD	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer
PID/FID (PPM)	3.3	NC	NC	NC	NC	NC	NC	NC
DEPTH OF WELL (FT)	33.56	33.56	33.56	33.56	33.56	33.56	33.56	33.56
STATIC WATER LEVEL (SWL) FT	22.69	22.85	22.85	22.85	22.85	22.85	22.85	22.85
VOLUME EVACUATED (GAL)	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL VOLUME EVACUATED (GAL)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0
TEMPERATURE (^{O}C)	11.5	11.7	10.8	10.7	11.1	11.1	11.1	11.1
pH	6.96	6.35	6.32	6.32	6.31	6.30	6.32	6.32
ORP (mV)	-108	-108	-111	-103	-107	-109	-100	-91
CONDUCTIVITY (ms/cm)	0.864	0.949	0.96	0.95	1.03	1.03	1.01	1.03
TURBIDITY (NTU)	>800	>800	>800	>800	>800	>800	>800	>800
VISUAL OBSERVATION	NC	NC	NC	NC	NC	NC	NC	NC

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

DRAFT

WELL DEVELOPMENT DATA
MW-M

SITE LOCATION: 211 Franklin Street, Olean, New York

JOB#: 4884S-13

DATE/ TIME	6/24/14 9:57	6/24/14 10:03	6/24/14 10:11	6/24/14 10:19	6/24/14 10:23	6/24/14 10:29	6/24/14 10:36	6/24/14 10:40
EVACUATION METHOD	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer
PID/FID (PPM)	160	NC	NC	NC	NC	NC	NC	NC
DEPTH OF WELL (FT)	29.85	29.85	29.85	29.85	29.85	29.85	29.85	29.85
STATIC WATER LEVEL (SWL) FT	20.09	20.29	20.25	20.29	20.29	20.31	20.30	20.29
VOLUME EVACUATED (GAL)	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
TOTAL VOLUME EVACUATED (GAL)	0.0	1.5	3.0	4.5	6.0	7.5	9.0	10.5
TEMPERATURE (^{O}C)	12.3	11.8	11.7	11.8	11.6	12.2	11.9	11.9
pH	5.93	6.19	6.31	6.37	6.42	6.42	6.44	6.44
ORP (mV)	-82	-114	-120	-119	-114	-117	-114	-114
CONDUCTIVITY (ms/cm)	2.55	2.72	3.00	2.94	2.96	2.99	2.98	2.96
TURBIDITY (NTU)	>800	>800	>800	>800	>800	>800	>800	>800
VISUAL OBSERVATION	Gray, Oil Sheen	NC	NC	NC	NC	NC	NC	NC

LEGEND:
NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

DRAFT

WELL DEVELOPMENT DATA
MW-N

SITE LOCATION: 211 Franklin Street, Olean, New York

JOB#: 4884S-13

DATE/ TIME	6/27/14 1:05	6/27/14 1:10	6/27/14 1:20	6/27/14 1:30	6/27/14 1:40	6/27/14 1:50		
EVACUATION METHOD	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer		
PID/FID (PPM)	NC	NC	NC	NC	NC	NC		
DEPTH OF WELL (FT)	33.09	33.09	33.09	33.09	33.09	33.09		
STATIC WATER LEVEL (SWL) FT	23.01	23.10	23.11	23.11	23.11	23.11		
VOLUME EVACUATED (GAL)	0.0	2.0	2.0	2.0	2.0	2.0		
TOTAL VOLUME EVACUATED (GAL)	0.0	2.0	4.0	6.0	8.0	10.0		
TEMPERATURE (^{O}C)	18.2	16.0	15.9	15.9	15.9	15.9		
pH	6.71	6.69	6.66	6.63	6.65	6.65		
ORP (mV)	-83	-90	-89	-109	-100	-99		
CONDUCTIVITY (ms/cm)	1.17	1.16	1.23	1.28	1.23	1.23		
TURBIDITY (NTU)	>800	>800	>800	>800	>800	>800		
VISUAL OBSERVATION	NC	NC	NC	NC	NC	NC		

LEGEND:
NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

DRAFT

JULY 2014 WELL SAMPLING LOGS

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-B

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street, Olean, NY **JOB #** 4884S-13

PROJECT NAME: SolEpoxy **DATE:** 7/9/14

SAMPLE COLLECTOR(S): T. Dufault **WEATHER:** ~ 75°F, Partly Cloudy

PID READING IN WELL HEADSPACE (PPM): NM **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 1”

SCREENED INTERVAL [FT BGS]: 18 – 28’ **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 17.34 / 7-9-14

WELL DEPTH [FT BGS]: 28’ **DEPTH OF PUMP INTAKE [FT BGS]:** 20.0’
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: Yes **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4” Water , 1/8” Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron

PUMP TYPE: ¾” Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 3.6 **CONTROL BOX REFILL RATE:** 6.4

STABILIZED PUMP RATE (ml/min): 60 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 17.35

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
09:35	-	17.34	11.39	-303	737	5.80	6.34	15.4	0
09:40	40	17.35	0.46	-325	403	2.44	6.39	14.1	200
09:45	40	17.35	0.38	-322	288	2.42	640	14.8	400
09:50	50	17.35	0.19	-341	>800	2.45	6.43	14.0	600
09:55	60	17.35	0.14	-346	>800	2.48	6.44	13.9	900
10:00	60	17.35	0.11	-350	>800	2.47	6.45	13.7	1200
10:05	60	17.35	0.04	-353	>800	2.46	6.46	13.6	1500
10:10	60	17.35	0.00	-354	>800	2.46	6.46	13.6	1800
10:15	60	17.35	0.00	-356	887	2.47	6.47	13.6	2100
10:20	60	17.35	0.0	-356	609	2.45	6.47	13.7	2400
10:25	60	17.35	0.0	-356	549	2.44	6.47	13.8	2700

SAMPLE OBSERVATIONS: Turbidity would not stabilize, visible product

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-B	7-9-14 / 10:30	Bladder Pump	VOCs, SVOCs, Metals, Pesticides, PCBs, Cyanide

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-C

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street, Olean, NY **JOB #** 4884S-13

PROJECT NAME: SolEpoxy **DATE:** 7/10/14

SAMPLE COLLECTOR(S): T. Dufault **WEATHER:** ~ 70°F, Foggy

PID READING IN WELL HEADSPACE (PPM): N/M **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 1”

SCREENED INTERVAL [FT BGS]: 18 – 28’ **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 19.26 / 7-10-14

WELL DEPTH [FT BGS]: 28’ **DEPTH OF PUMP INTAKE [FT BGS]:** 23.0’
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4” Water , 1/8” Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron

PUMP TYPE: ¾” Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 2.00 **CONTROL BOX REFILL RATE:** 4.00

STABILIZED PUMP RATE (ml/min): 100 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 19.26

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
08:23	-	19.26	3.26	52	280	1.09	6.52	13.5	0
08:28	100	19.26	0.99	48	120	1.09	6.55	12.9	500
08:33	100	19.26	0.97	47	56.8	1.09	6.56	12.6	1000
08:39	100	19.26	0.89	46	29.4	1.09	6.57	12.5	1500
08:43	100	19.26	0.81	45	20.0	1.09	6.58	12.5	2000
08:48	100	19.26	0.90	45	5.7	1.09	6.58	12.5	2500
08:53	100	19.26	0.97	44	0.0	1.09	6.59	12.5	3000
08:58	100	19.26	1.06	44	6.2	1.09	6.59	12.5	3500
09:03	100	19.26	1.12	43	0.0	1.09	6.60	12.6	4000

SAMPLE OBSERVATIONS: ~

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-C	7-10-14 / 09:00	Bladder Pump	VOCs, SVOCs, Metals, Pesticides, PCBs, Cyanide

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-D

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street, Olean, NY

JOB # 4884S-13

PROJECT NAME: SolEpoxy

DATE: 7/9/14

SAMPLE COLLECTOR(S): T. Dufault

WEATHER: ~ 75°F, Partly Sunny

PID READING IN WELL HEADSPACE (PPM): N/M

MEASURING POINT (for water levels): Top of Casing

CASING TYPE: PVC

WELL DIAMETER (INCHES): 1”

SCREENED INTERVAL [FT BGS]: 20 – 30’

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured 20.87 / 7-9-14

WELL DEPTH [FT BGS]: 30’
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 24.0’

LNAPL: No

DNAPL: N/M

OTHER OBSERVATIONS:

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10

TUBING TYPE: 1/4” Water , 1/8” Air

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: Heron

PUMP TYPE: ¾” Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2.0

CONTROL BOX REFILL RATE: 4.0

STABILIZED PUMP RATE (ml/min): 120

STABILIZED DRAWDOWN WATER LEVEL [FT]: 20.87

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
17:00	120	20.87	0.0	-217	153	1.15	6.70	15.6	-
17:05	120	20.87	0.0	-233	47.8	1.17	6.69	15.2	600
17:10	120	20.87	0.0	-238	41.0	1.19	6.69	15.2	1200
17:15	120	20.87	0.0	-239	11.6	1.18	6.69	15.0	1800
17:20	120	20.87	0.0	-240	7.2	1.18	6.69	15.1	2400
17:25	120	20.87	0.0	-241	1.8	1.18	6.70	15.1	3000
17:30	120	20.87	0.0	-242	0.0	1.18	6.70	15.0	3600

SAMPLE OBSERVATIONS: ~

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-D	7-9-14 / 17:30	Bladder Pump	VOCs, SVOCs, Metals, Pesticides, PCBs, Cyanide

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-E

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street, Olean, NY **JOB #** 4884S-13

PROJECT NAME: SolEpoxy **DATE:** 7/9/14

SAMPLE COLLECTOR(S): T. Dufault **WEATHER:** ~ 75°F, Rainy

PID READING IN WELL HEADSPACE (PPM): N/M **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 1”

SCREENED INTERVAL [FT BGS]: 23 – 33’ **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 23.22 / 7-9-14

WELL DEPTH [FT BGS]: 33’ **DEPTH OF PUMP INTAKE [FT BGS]:** 26.0’
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4” Water , 1/8” Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron

PUMP TYPE: ¾” Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 2.0 **CONTROL BOX REFILL RATE:** 4.0

STABILIZED PUMP RATE (ml/min): 120 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 23.22

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
14:46	-	23.22	4.49	-9	649	1.07	6.75	17.9	0
14:51	120	23.22	1.22	-2	413	1.09	6.67	16.5	600
14:56	120	23.22	0.97	3	257	1.09	6.61	17.2	1200
15:01	120	23.22	1.30	6	244	1.10	6.62	16.4	1800
15:06	120	23.22	0.76	11	344	1.10	6.61	15.1	2400
15:11	120	23.22	0.65	13	208	1.10	6.60	14.9	3000
15:16	120	23.22	0.65	14	177	1.10	6.60	14.9	3600
15:21	120	23.22	0.65	15	129	1.10	6.60	14.8	4200
15:26	120	23.22	0.77	15	86.6	1.10	6.60	14.9	4800
15:31	120	23.22	0.80	16	67.6	1.10	6.60	14.8	5400
15:36	120	23.22	0.89	16	45.5	1.10	6.60	14.9	6000
	SAMPLE OBSERVATIONS: No visible product, no odor								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-E	7-9-14 / 15:30	Bladder Pump	VOCs, SVOCs, Metals, Pesticides, PCBs, Cyanide

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-F

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street, Olean, NY **JOB #** 4884S-13

PROJECT NAME: SolEpoxy **DATE:** 7/8/14

SAMPLE COLLECTOR(S): T. Dufault **WEATHER:** ~ 75°F, Light Rain

PID READING IN WELL HEADSPACE (PPM): N/M **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 1”

SCREENED INTERVAL [FT BGS]: 22 – 30’ **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 18.89 / 7-9-14

WELL DEPTH [FT BGS]: 30’ **DEPTH OF PUMP INTAKE [FT BGS]:** 23.0’
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED ~ **TUBING TYPE:** 1/4” Water , 1/8” Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron

PUMP TYPE: ¾” Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1.5 **CONTROL BOX REFILL RATE:** 3.0

STABILIZED PUMP RATE (ml/min): 120 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 18.89

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
16:14	-	18.75	0.19	39	78.7	2.18	5.97	15.2	-
7:44	120	18.89	0.15	-87	28.0	1.91	5.97	14.9	-
7:50	120	18.89	0.09	-124	54.0	1.95	6.03	14.3	600
7:55	120	18.89	0.02	-125	46.1	1.95	6.05	14.3	1200
8:00	120	18.89	0.00	-133	19.9	1.95	6.07	14.3	1800
8:05	120	18.89	0.00	-138	11.1	1.96	6.09	14.3	2400
8:10	120	18.89	0.00	-146	8.5	1.96	6.11	14.3	3000
8:15	120	18.89	0.02	-149	5.9	1.96	6.11	14.3	3600
8:20	120	18.89	0.01	-157	7.6	1.96	6.12	14.3	4200
8:25	120	18.89	0.01	-155	8.5	1.96	6.13	14.3	4800

SAMPLE OBSERVATIONS: Clear, no odor

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-F	7-9-14 / 8:30	Bladder Pump	VOCs, SVOCs, Metals, Pesticides, PCBs, Cyanide

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-G

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street, Olean, NY **JOB #** 4884S-13

PROJECT NAME: SolEpoxy **DATE:** 7/7/14

SAMPLE COLLECTOR(S): T. Dufault **WEATHER:** ~ 75°F, Overcast

PID READING IN WELL HEADSPACE (PPM): NM **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2”

SCREENED INTERVAL [FT BGS]: 20 – 33’ **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 23.01 / 7-7-14

WELL DEPTH [FT BGS]: 33’ **DEPTH OF PUMP INTAKE [FT BGS]:** 27.0’
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED ~ **TUBING TYPE:** 1/4” Water , 1/8” Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron

PUMP TYPE: ¾” Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1.5 **CONTROL BOX REFILL RATE:** 3.0

STABILIZED PUMP RATE (ml/min): 120 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 23.02

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
15:35	-	23.01	4.06	-129	83.2	1.70	6.12	19.5	0
15:40	120	23.02	0.10	-158	52.3	1.74	6.32	19.0	600
15:45	120	23.02	0.0	-177	49.1	1.74	6.39	18.7	1200
15:50	120	23.02	0.0	-204	38.6	1.75	6.44	18.7	1800
15:55	120	23.02	0.0	-226	35.5	1.76	6.46	18.7	2400
16:00	120	23.02	0.0	-252	32.3	1.80	6.48	18.8	3000
16:05	120	23.02	0.0	-270	31.0	1.83	6.50	18.8	3600
16:10	120	23.02	0.0	-283	31.4	1.85	6.52	18.7	4200
16:15	120	23.02	0.0	-292	26.5	1.87	6.53	18.8	4800
16:20	120	23.02	0.0	-208	25.2	1.89	6.53	18.7	5400
16:25	120	23.02	0.0	-307	23.8	1.91	6.54	18.6	6000
	SAMPLE OBSERVATIONS: Clear, product odor								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-G	7-7-14 / 16:30	Bladder Pump	VOCs, SVOCs, Metals, Pesticides, PCBs, Cyanide

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-H

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street, Olean, NY **JOB #** 4884S-13

PROJECT NAME: SolEpoxy **DATE:** 7/8/14

SAMPLE COLLECTOR(S): T. Dufault **WEATHER:** ~ 79°F, Overcast

PID READING IN WELL HEADSPACE (PPM): N/M **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2”

SCREENED INTERVAL [FT BGS]: 22 – 30’ **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 22.79 / 7-8-14

WELL DEPTH [FT BGS]: 30’ **DEPTH OF PUMP INTAKE [FT BGS]:** 26.0’
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4” Water , 1/8” Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron

PUMP TYPE: ¾” Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1.5 **CONTROL BOX REFILL RATE:** 3.0

STABILIZED PUMP RATE (ml/min): 120 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 22.89

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
10:12	-	22.79	8.05	-253	31.1	7.80	6.21	21.2	0
10:19	120	22.79	0.71	-281	65.1	3.15	6.37	19.8	600
10:24	120	22.79	0.45	-284	40.8	3.15	6.38	19.7	1200
10:29	120	22.89	0.31	-291	28.6	3.15	6.41	19.7	1800
10:34	120	22.89	0.21	-295	24.0	3.15	6.42	19.5	2400
10:39	120	22.89	0.08	-297	24.5	3.15	6.43	19.4	3000
10:44	120	22.89	0.05	-299	20.1	3.15	6.44	19.4	3600
10:49	120	22.89	0.02	-302	10.0	3.15	6.45	19.4	4200
10:54	120	22.89	0.00	-304	10.5	3.15	6.45	19.4	4800

SAMPLE OBSERVATIONS:

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-H	7-8-14 / 10:50	Bladder Pump	VOCs, SVOCs, Metals, Pesticides, PCBs, Cyanide

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-I

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street, Olean, NY

JOB # 4884S-13

PROJECT NAME: SolEpoxy

DATE: 7/8/14

SAMPLE COLLECTOR(S): T. Dufault

WEATHER: ~ 80°F, Overcast

PID READING IN WELL HEADSPACE (PPM): N/M

MEASURING POINT (for water levels): Top of Casing

CASING TYPE: PVC

WELL DIAMETER (INCHES): 2”

SCREENED INTERVAL [FT BGS]: 23.5 – 33.5’

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured 22.69 / 7-8-14

WELL DEPTH [FT BGS]: 33.5’
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 26.0’

LNAPL: No

DNAPL: N/M

OTHER OBSERVATIONS:

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10

TUBING TYPE: 1/4” Water , 1/8” Air

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: Heron

PUMP TYPE: ¾” Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1.0

CONTROL BOX REFILL RATE: 2.0

STABILIZED PUMP RATE (ml/min): 120

STABILIZED DRAWDOWN WATER LEVEL [FT]: 22.71

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
12:31	-	22.69	2.02	-137	146	1.76	6.28	17.7	0
12:36	140	22.69	0.0	-151	46.7	1.71	6.27	16.8	600
12:41	140	22.71	0.0	-155	20.7	1.72	6.29	16.7	1300
12:46	120	22.71	0.0	-159	9.7	1.74	6.31	16.7	1900
12:51	120	22.71	0.0	-161	6.0	1.74	6.33	16.6	2500
12:56	120	22.71	0.0	-163	5.8	1.74	6.34	16.6	3100
13:01	120	22.71	0.0	-165	1.0	1.74	6.36	16.6	3700
13:06	120	22.71	0.0	-167	0.0	1.74	6.37	16.6	4300

SAMPLE OBSERVATIONS: No visible product, clear, product odor

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-I	7-8-14 / 13:05	Bladder Pump	VOCs, SVOCs, Metals, Pesticides, PCBs, Cyanide

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-J

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street, Olean, NY **JOB #** 4884S-13

PROJECT NAME: SolEpoxy **DATE:** 7/10/14

SAMPLE COLLECTOR(S): T. Dufault **WEATHER:** ~ 75°F, Partly Cloudy

PID READING IN WELL HEADSPACE (PPM): N/M **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2”

SCREENED INTERVAL [FT BGS]: 23.5 – 33.5’ **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 23.10 / 7-10-14

WELL DEPTH [FT BGS]: 33.5’ **DEPTH OF PUMP INTAKE [FT BGS]:** 26.0’
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED ~ **TUBING TYPE:** 1/4” Water , 1/8” Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron

PUMP TYPE: ¾” Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1.5 **CONTROL BOX REFILL RATE:** 3.0

STABILIZED PUMP RATE (ml/min): 150 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 23.11

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
11:49	-	23.11	1.31	61	242	1.16	6.81	16.0	0
11:54	150	23.11	0.77	51	183	1.16	6.77	15.3	750
11:59	150	23.11	0.74	45	109	1.16	6.65	15.1	1500
12:04	150	23.11	0.76	43	68.4	1.16	6.62	15.1	2250
12:09	150	23.11	0.78	42	57.7	1.16	6.61	15.1	3000
12:14	150	23.11	0.82	41	54	1.17	6.61	15.0	3750
12:19	150	23.11	0.86	41	50	1.17	6.61	15.0	4500
12:24	150	23.11	0.90	41	47.1	1.17	6.61	15.1	5250

SAMPLE OBSERVATIONS:

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-J	7-10-14 / 12:30	Bladder Pump	VOCs, SVOCs, Metals, Pesticides, PCBs, Cyanide

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-K

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street, Olean, NY **JOB #** 4884S-13

PROJECT NAME: SolEpoxy **DATE:** 7/10/14

SAMPLE COLLECTOR(S): T. Dufault **WEATHER:** ~ 75°F, Sunny

PID READING IN WELL HEADSPACE (PPM): _____ **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2”

SCREENED INTERVAL [FT BGS]: 15 – 30’ **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 18.45 / 7-10-14

WELL DEPTH [FT BGS]: 30’ **DEPTH OF PUMP INTAKE [FT BGS]:** 23.0’
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** ND **OTHER OBSERVATIONS:** _____

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4” Water , 1/8” Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron

PUMP TYPE: ¾” Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1.0 **CONTROL BOX REFILL RATE:** 2.0

STABILIZED PUMP RATE (ml/min): 200 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 18.49

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
10:18	-	18.47	3.74	-15	128	1.08	6.67	15.1	0
10:26	200	18.48	0.0	-51	92.1	1.11	6.51	12.8	600
10:32	200	18:49	0.0	-54	37.3	1.11	6.48	12.1	1600
10:37	200	18:49	0.0	-53	24.7	1.11	6.48	12.1	2600
10:42	200	18:49	0.0	-50	15.0	1.12	6.48	12.0	3600
10:47	200	18.49	0.0	-49	11.6	1.12	6.47	12.0	4600
10:52	200	18.49	0.0	-50	10.8	1.12	6.48	12.0	5600

SAMPLE OBSERVATIONS:

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-K	7-10-14 / 11:15	Bladder Pump	VOCs, SVOCs, Metals, Pesticides, PCBs, Cyanide

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-L

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street, Olean, NY **JOB #** 4884S-13

PROJECT NAME: SolEpoxy **DATE:** 7/7/14

SAMPLE COLLECTOR(S): T. Dufault **WEATHER:** ~ 75°F, Overcast

PID READING IN WELL HEADSPACE (PPM): N/M **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2”

SCREENED INTERVAL [FT BGS]: 22 – 34’ **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 22.88 / 7-7-14

WELL DEPTH [FT BGS]: 34’ **DEPTH OF PUMP INTAKE [FT BGS]:** 26.0’
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4” Water , 1/8” Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron

PUMP TYPE: ¾” Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1.5 **CONTROL BOX REFILL RATE:** 3.0

STABILIZED PUMP RATE (ml/min): 140 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 22.88

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
13:20	-	22.88	3.34	-73	351	0.93	6.15	12.8	0
13:25	140	22.88	0.0	-153	216	0.94	6.25	11.6	700
13:30	140	22.88	0.0	-195	124	0.95	6.34	11.5	1400
13:35	140	22.88	0.0	-226	55.2	0.97	6.42	11.4	2100
13:40	140	22.88	0.0	-247	32.8	0.98	6.48	11.4	2800
13:45	140	22.88	0.0	-255	28.7	0.99	6.52	11.4	3500
13:50	140	22.88	0.0	-255	32.2	0.99	6.55	11.4	4200
13:55	140	22.88	0.0	-250	33.6	0.99	6.57	11.4	4900

SAMPLE OBSERVATIONS: No visible product, clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-L	7-7-14 /	Bladder Pump	VOCs, SVOCs, Metals, Pesticides, PCBs, Cyanide

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-M

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street, Olean, NY **JOB #** 4884S-13

PROJECT NAME: SolEpoxy **DATE:** 7/9/14

SAMPLE COLLECTOR(S): T. Dufault **WEATHER:** ~ 75°F, Partly Cloudy

PID READING IN WELL HEADSPACE (PPM): N/M **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 1”

SCREENED INTERVAL [FT BGS]: 18 – 28’ **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 20.45 / 7-9-14

WELL DEPTH [FT BGS]: 28’ **DEPTH OF PUMP INTAKE [FT BGS]:** 26.0’
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4” Water , 1/8” Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron

PUMP TYPE: ¾” Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1.5 **CONTROL BOX REFILL RATE:** 3.0

STABILIZED PUMP RATE (ml/min): 120 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 20.5’

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
11:46	-	20.50	9.55	-184	39.2	9.0	6.13	16.5	0
11:51	120	20.51	0.0	-187	239	2.57	6.30	13.7	600
12:00	120	20.51	0.0	-191	68.4	2.56	6.40	13.3	1200
12:05	120	20.51	0.0	-192	46.6	2.56	6.42	13.3	1800
12:10	150	20.51	0.0	-192	36.6	2.57	6.44	13.2	2400
12:15	120	20.51	0.0	-192	28.7	2.59	6.46	13.1	3000
12:20	120	20.51	0.0	-192	30.1	2.61	6.46	13.1	3600
12:25	120	20.51	0.0	-193	22.6	2.62	6.47	13.1	4200
12:30	120	20.51	0.0	-193	19.9	2.63	6.48	13.1	4800

SAMPLE OBSERVATIONS: ~

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-M	7-9-14 / 12:35	Bladder Pump	VOCs, SVOCs, Metals, Pesticides, PCBs, Cyanide

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-N

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street, Olean, NY **JOB #** 4884S-13

PROJECT NAME: SolEpoxy **DATE:** 7/7/14

SAMPLE COLLECTOR(S): T. Dufault **WEATHER:** ~ 75°F, Partly Cloudy

PID READING IN WELL HEADSPACE (PPM): N/M **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2”

SCREENED INTERVAL [FT BGS]: 23.5 – 33.5’ **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 23.14 / 7-7-14

WELL DEPTH [FT BGS]: 33.5’ **DEPTH OF PUMP INTAKE [FT BGS]:** 27.0’
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: Yes **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4” Water , 1/8” Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron

PUMP TYPE: ¾” Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 2.0 **CONTROL BOX REFILL RATE:** 4.0

STABILIZED PUMP RATE (ml/min): 120 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 23.14

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
11:11	-	23.14	1.76	-179	81.0	1.43	6.21	19.6	0
11:17	100	23.14	0.0	-195	41.0	1.45	6.42	18.7	300
11:22	120	23.14	0.0	-195	28.4	1.45	6.49	17.8	800
11:27	120	23.14	0.0	-194	19.2	1.44	6.53	17.7	1400
11:32	120	23.14	0.0	-195	11.8	1.44	6.56	17.6	2000
11:37	120	23.14	0.0	-196	9.3	1.45	6.59	17.6	2600
11:42	120	23.14	0.0	-199	7.7	1.43	6.61	17.5	3200
11:47	120	23.14	0.0	-200	5.09	1.42	6.63	17.5	3800

SAMPLE OBSERVATIONS: Visible product, clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-N	7-7-14 / 11:50	Bladder Pump	VOCs, SVOCs, Metals, Pesticides, PCBs, Cyanide

DRAFT

SEPTEMBER 2014 WELL SAMPLING LOGS

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-PRODUCTION WELL

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street **JOB #** 4884S-13

PROJECT NAME: Solepoxy **DATE:** 9/30/14

SAMPLE COLLECTOR(S): Z. Tennies **WEATHER:** Indoors

PID READING IN WELL HEADSPACE (PPM): 0.0 **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 12

SCREENED INTERVAL [FT BGS]: Unknown **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 25.22 / 9-30-14

WELL DEPTH [FT BGS]: 65.0 **DEPTH OF PUMP INTAKE [FT BGS]:** 47.0
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Solinst

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 2.0 **CONTROL BOX REFILL RATE:** 5.0

STABILIZED PUMP RATE (ml/min): 160 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 25.23

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
12:24	160	25.23	5.50	85	21.1	1.36	7.21	17.57	0
12:27	160	25.23	4.13	12	21.9	1.36	7.24	17.08	480
12:30	160	25.23	3.78	-20	19.1	1.36	7.23	16.92	960
12:33	160	25:23	3.61	-40	14.3	1.36	7.21	16.82	1440
12:36	160	25.23	3.51	-54	12.1	1.36	7.20	16.73	1920
12:39	160	25.23	3.43	-63	10.5	1.36	7.19	16.68	2400
12:42	160	25.23	3.38	-68	10.2	1.36	7.18	16.67	2880
12:45	160	25.23	3.33	-74	9.98	1.36	7.17	16.66	3360
12:48	160	25.23	3.27	-74	9.89	1.36	7.16	16.64	3840
	SAMPLE OBSERVATIONS: Clear, no odor								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
Production Well	9-30-14 / 12:50	Bladder Pump	VOCs, SVOCs, Metals

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-B

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street **JOB #** 4884S-13

PROJECT NAME: Solepoxy **DATE:** 9/30/14

SAMPLE COLLECTOR(S): W. Batiste **WEATHER:** 60°F, Foggy

PID READING IN WELL HEADSPACE (PPM): 0.1 **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 1

SCREENED INTERVAL [FT BGS]: 18 – 28' **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 19.50 / 9-30-14

WELL DEPTH [FT BGS]: 28' **DEPTH OF PUMP INTAKE [FT BGS]:** 20.0
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:** -

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** SWL

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 3.0 **CONTROL BOX REFILL RATE:** 6.0

STABILIZED PUMP RATE (ml/min): 80 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 19.53

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
09:07	80	19.53	0.85	-170	182	8.18	6.53	14.5	660
09:10	80	19:53	0.55	-176	175	6.47	6.58	13.9	900
09:13	80	19:53	0.26	-187	160	3.84	6.64	11.9	1140
09:16	80	19.53	0.14	-194	156	2.55	6.67	12.0	1380
09:19	80	19.53	0.07	-200	151	2.57	6.68	11.8	1620
09:22	80	19.54	0.01	-212	130	2.18	6.70	11.3	1860
09:25	80	19.54	0.00	-213	128	2.17	6.71	11.2	2100
09:28	80	19.54	0.01	-216	127	2.15	6.71	11.3	2340
	SAMPLE OBSERVATIONS: Clear with odor and sheen								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-B	9-30-14 / 09:50	Bladder Pump	VOCs, SVOCs, Metals

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-C

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street **JOB #** 4884S-13

PROJECT NAME: Solepoxy **DATE:** 9/29/14

SAMPLE COLLECTOR(S): W. Batiste **WEATHER:** 60°F, Sunny

PID READING IN WELL HEADSPACE (PPM): 0.0 **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 1

SCREENED INTERVAL [FT BGS]: 18 – 28' **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 21.37 / 9-29-14

WELL DEPTH [FT BGS]: 28' **DEPTH OF PUMP INTAKE [FT BGS]:** 23.0
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** SWL

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 2.0 **CONTROL BOX REFILL RATE:** 4.0

STABILIZED PUMP RATE (ml/min): 120 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 21.40

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
12:51	120	21.40	2.90	94	-5.0	0.892	6.94	27.5	620
12:54	120	21.40	2.86	96	-5.0	0.902	6.93	26.5	980
12:57	120	21.40	2.84	97	-5.0	0.910	6.93	26.3	1340
13:00	120	21.40	2.92	97	-5.0	0.929	6.94	25.4	1700
13:03	120	21.40	2.94	98	-5.0	0.930	6.94	25.4	2060
13:06	120	21.40	2.95	98	-5.0	0.933	6.94	25.3	2420
13:21	120	21.40	2.91	99	560	0.973	6.99	22.4	4220
13:24	120	21.40	2.93	99	555	0.974	6.99	22.5	4580
13:27	120	21.40	2.93	99	548	0.971	6.99	22.5	4940

SAMPLE OBSERVATIONS: Slightly cloudy, no odor

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-C	9-29-14 / 13:50	Bladder Pump	VOCs, SVOCs, Metals

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-D

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street

JOB # 4884S-13

PROJECT NAME: Solepoxy

DATE: 9/29/14

SAMPLE COLLECTOR(S): W. Batiste

WEATHER: 60°F, Sunny

PID READING IN WELL HEADSPACE (PPM): 0.0

MEASURING POINT (for water levels): Top of Casing

CASING TYPE: PVC

WELL DIAMETER (INCHES): 1

SCREENED INTERVAL [FT BGS]: 20 – 30'

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured 22.85 / 9-29-14

WELL DEPTH [FT BGS]: 30'
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 25.0

LNAPL: No

DNAPL: N/M

OTHER OBSERVATIONS: Well broken off, TOC is flush w/ground surface

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10

TUBING TYPE: 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: SWL

PUMP TYPE: ¾" Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2.0

CONTROL BOX REFILL RATE: 4.0

STABILIZED PUMP RATE (ml/min): 140

STABILIZED DRAWDOWN WATER LEVEL [FT]: 22.87

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
14:37	140	22.87	0.60	-74	440	0.94	6.55	27.9	640
14:40	140	22.87	0.25	-85	290	0.94	6.71	26.1	1060
14:43	140	22.87	0.18	-92	239	0.99	6.79	25.3	1480
14:46	140	22.87	0.17	-97	209	1.02	6.80	24.8	1900
14:49	140	22.87	0.15	-99	200	1.06	6.81	24.8	2320
14:52	140	22.87	0.13	-104	190	1.34	6.82	24.7	2740
14:55	140	22.87	0.13	-106	188	1.34	6.83	24.9	3160
14:58	140	22.87	0.13	-106	184	1.31	6.84	24.8	3580
	SAMPLE OBSERVATIONS: Clear, chemical odor								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-D	9-29-14 / 14:10	Bladder Pump	VOCs, SVOCs, Metals

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-E

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street **JOB #** 4884S-13

PROJECT NAME: Solepoxy **DATE:** 9/29/14

SAMPLE COLLECTOR(S): Z. Tennies **WEATHER:** Indoors

PID READING IN WELL HEADSPACE (PPM): 0.0 **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 1

SCREENED INTERVAL [FT BGS]: 23 – 33' **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 25.32 / 9-29-14

WELL DEPTH [FT BGS]: 33' **DEPTH OF PUMP INTAKE [FT BGS]:** 26.0
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** SWL

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 2.0 **CONTROL BOX REFILL RATE:** 4.0

STABILIZED PUMP RATE (ml/min): 120 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 25.35

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
14:57	120	25.35	17.91	9	37.3	1.14	7.17	24.77	0
15:00	120	25.35	11.04	18	26.3	1.24	7.12	21.86	360
15:03	120	25.35	5.26	25	18.2	1.35	7.12	17.79	720
15:06	120	25.35	3.98	31	13.3	1.44	7.08	16.85	1080
15:10	120	25.35	3.73	34	10.5	1.44	7.03	16.62	1560
15:15	120	25.35	3.62	36	8.56	1.43	7.01	16.52	2160
15:19	120	25.35	3.45	39	7.83	1.43	6.98	16.35	2640
15:23	120	25.35	3.25	41	6.96	1.43	6.96	16.26	3120
15:26	120	25.35	3.30	42	6.64	1.43	6.95	16.23	3480
15:29	120	25.35	3.24	43	6.13	1.43	6.94	16.19	3840

SAMPLE OBSERVATIONS: Clear, faint odor

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-E	9-29-14 / 15:30	Bladder Pump	VOCs, SVOCs, Metals

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-F

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street **JOB #** 4884S-13

PROJECT NAME: Solepoxy **DATE:** 9/30/14

SAMPLE COLLECTOR(S): W. Batiste **WEATHER:** 60°F, Foggy

PID READING IN WELL HEADSPACE (PPM): 0.4 **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BGS]: 17 – 27.5' **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 21.04 / 9-30-14

WELL DEPTH [FT BGS]: 27.5' **DEPTH OF PUMP INTAKE [FT BGS]:** 23.0
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:** -

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1.5 **CONTROL BOX REFILL RATE:** 3.0

STABILIZED PUMP RATE (ml/min): 150 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 21.07

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
08:00	150	21.07	0.43	-58	376	1.79	6.34	24.6	650
08:03	150	21.07	0.24	-72	330	1.87	6.43	21.8	1100
08:06	150	21.07	0.13	-84	260	1.98	6.49	17.4	1550
08:09	150	21.07	0.04	-89	240	2.17	6.52	14.0	2000
08:12	150	21.07	0.01	-94	218	2.23	6.54	12.7	2450
08:15	150	21.07	0.00	-97	206	2.28	6.55	12.0	2900
08:18	150	21.07	0.00	-98	204	2.29	6.56	11.9	3350
08:21	150	21.07	0.00	-98	204	2.30	6.56	11.9	4800
	SAMPLE OBSERVATIONS: Clear, chemical or old petroleum odor								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-F	9-30-14 / 08:30	Bladder Pump	VOCs, SVOCs, Metals

DRAFT

DAY ENVIRONMENTAL, INC.
LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG
WELL MW-G

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street **JOB #** 4884S-13

PROJECT NAME: Solepoxy **DATE:** 9/30/14

SAMPLE COLLECTOR(S): Z. Tennies **WEATHER:** Indoors

PID READING IN WELL HEADSPACE (PPM): 1.5 **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BGS]: 20 – 33' **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 25.21 / 9-30-14

WELL DEPTH [FT BGS]: 33' **DEPTH OF PUMP INTAKE [FT BGS]:** 27.0'
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:** Bailer left check-valve down in well, full of water. May have disturbed well when removed.

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-50 **WATER LEVEL METER:** Solinst

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1.5 **CONTROL BOX REFILL RATE:** 3.0

STABILIZED PUMP RATE (ml/min): 130 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 25.21

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
14:03	130	25.21	17.78	-177	-	2.45	7.26	19.85	0
14:07	130	25.21	4.70	-216	-	2.49	7.25	19.45	520
14:11	130	25.21	4.30	-226	-	2.49	7.23	19.32	1040
14:16	130	25.21	3.65	-243	-	2.51	7.20	19.22	1690
14:20	130	25.21	3.41	-256	979	2.53	7.17	19.12	2210
14:23	130	25.21	3.30	-265	-	2.55	7.16	19.07	2600
14:26	130	25.21	3.25	-271	948	2.56	7.15	19.08	2990
14:29	130	25.21	3.15	-281	880	2.58	7.14	19.05	2380
14:35	130	25.21	3.00	-300	726	2.62	7.13	19.06	3160
14:40	130	25.21	2.87	-314	603	2.63	7.12	19.05	3810
15:25	130	25.21	1.94	-355	169	2.61	7.08	19.02	9660
15:28	130	25.21	1.85	-355	162	2.61	7.08	19.02	10050
15:31	130	25.21	1.80	-355	156	2.61	7.07	19.02	10440

SAMPLE OBSERVATIONS: Slightly cloudy, white-gray, faint petroleum-type odor

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-G	9-30-14 / 15:35	Bladder Pump	VOCs, SVOCs, Metals

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-H

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street **JOB #** 4884S-13

PROJECT NAME: Solepoxy **DATE:** 9/29/14

SAMPLE COLLECTOR(S): Z. Tennies **WEATHER:** -

PID READING IN WELL HEADSPACE (PPM): 70.4 **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BGS]: 22 – 30' **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 24.89 / 9-29-14

WELL DEPTH [FT BGS]: 30' **DEPTH OF PUMP INTAKE [FT BGS]:** 26.0
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1.5 **CONTROL BOX REFILL RATE:** 3.0

STABILIZED PUMP RATE (ml/min): 150 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 25.06

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
12:50	150	25.06	5.47	-134	11.5	2.75	7.27	20.63	0
12:53	150	25.06	4.79	-145	6.33	2.78	7.31	20.45	450
12:57	150	25.06	4.65	-147	5.33	2.78	7.27	20.41	1050
13:00	150	25.06	4.44	-152	5.02	2.78	7.21	20.30	1500
13:05	150	25.06	4.28	-155	4.81	2.78	7.15	20.24	2250
13:08	150	25.00	4.13	-160	4.57	2.79	7.11	20.20	2700
13:12	150	25.06	3.96	-162	4.51	2.79	7.07	20.18	3300
13:16	150	25.06	3.84	-164	4.32	2.78	7.05	20.18	3900
13:19	150	25.06	3.76	-165	4.31	2.79	7.04	20.19	4350

SAMPLE OBSERVATIONS: Clear, faint petroleum-type odor

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-H	9-29-14 / 13:30	Bladder Pump	VOCs, SVOCs, Metals

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-I

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street **JOB #** 4884S-13

PROJECT NAME: Solepoxy **DATE:** 9/30/14

SAMPLE COLLECTOR(S): Z. Tennies **WEATHER:** -

PID READING IN WELL HEADSPACE (PPM): 0.0 **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BGS]: 23.5 – 33.5' **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 24.87 / 9-30-14

WELL DEPTH [FT BGS]: 33.5' **DEPTH OF PUMP INTAKE [FT BGS]:** 26.0
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-50 **WATER LEVEL METER:** Solinst

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1.0 **CONTROL BOX REFILL RATE:** 2.0

STABILIZED PUMP RATE (ml/min): 160 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 24.88

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
08:25	160	24.88	9.38	-71	10.2	1.68	7.27	18.17	0
08:29	160	24.88	5.44	-142	8.46	1.72	7.30	17.21	640
08:33	160	24.88	4.84	-146	7.96	1.72	7.28	17.08	1280
08:36	160	24.88	4.56	-148	8.06	1.72	7.25	17.08	1760
08:39	160	24.88	4.44	-148	8.00	1.72	7.23	17.04	2240
08:42	160	24.88	4.32	-148	7.62	1.72	7.21	17.02	2720
08:47	160	24.80	4.23	-148	7.61	1.72	7.20	17.01	3520
	SAMPLE OBSERVATIONS: Clear, no odor								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-I	9-30-14 / 08:50	Bladder Pump	VOCs, SVOC, Metals

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-J

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street **JOB #** 4884S-13

PROJECT NAME: Solepoxy **DATE:** 9/29/14

SAMPLE COLLECTOR(S): W. Batiste **WEATHER:** 75°F, Partly Cloudy

PID READING IN WELL HEADSPACE (PPM): 0.0 **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BGS]: 23.5 – 33.5' **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 25.23 / 9-29-14

WELL DEPTH [FT BGS]: 33.5' **DEPTH OF PUMP INTAKE [FT BGS]:** 26.0'
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** NM **OTHER OBSERVATIONS:** -

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1.5 **CONTROL BOX REFILL RATE:** 3.0

STABILIZED PUMP RATE (ml/min): 150 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 25.25

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
11:02	150	25.25	0.83	115	303	1.02	6.50	25.5	500
11:05	150	25.25	0.53	110	233	1.02	6.57	24.9	950
11:08	150	25.25	0.50	103	212	1.02	6.62	24.5	1400
11:11	150	25.25	0.48	100	194	1.02	6.64	24.3	1850
11:14	150	25.25	0.46	100	198	1.02	6.65	24.3	2300
11:17	150	25.25	0.47	99	191	1.02	6.69	24.3	2750
	SAMPLE OBSERVATIONS: Clear, no odor (MS/MSD)								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-J	9-29-14 / 11:20	Bladder Pump	VOCs, SVOCs, Metals

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-K

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street **JOB #** 4884S-13

PROJECT NAME: Solepoxy **DATE:** 9/30/14

SAMPLE COLLECTOR(S): W. Batiste **WEATHER:** 60°F, Sunny

PID READING IN WELL HEADSPACE (PPM): 0.2 **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BGS]: 15 – 30' **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 20.60 / 9-30-14

WELL DEPTH [FT BGS]: 30' **DEPTH OF PUMP INTAKE [FT BGS]:** 23.0'
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** NM **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED ~ **TUBING TYPE:** 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 4.0 **CONTROL BOX REFILL RATE:** 6.0

STABILIZED PUMP RATE (ml/min): 80 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 20.70

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
12:44	80	20.70	0.56	-46	283	1.09	6.43	14.0	740
12:47	80	20.70	0.35	-52	249	1.15	6.50	11.6	980
12:50	80	20.70	0.24	-58	222	1.15	6.56	11.2	1220
12:53	80	20.70	0.19	-63	215	1.16	6.58	11.0	1460
12:56	80	20.70	0.16	-66	201	1.18	6.61	10.2	1700
12:59	80	20.70	0.14	-68	182	1.21	6.63	9.8	1940
13:02	80	20.70	0.09	-72	166	1.16	6.67	11.7	2180
13:05	80	20.70	0.08	-72	166	1.15	6.68	11.8	2420
13:08	80	20.70	0.08	-72	168	1.13	6.68	11.7	2660
13:11	80	20.70	0.07	-72	164	1.14	6.68	11.6	2900

SAMPLE OBSERVATIONS: Clear, slight odor

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-K	9-30-14 / 13:20	Bladder Pump	VOCs, SVOCs, Metals

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-L

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street **JOB #** 4884S-13

PROJECT NAME: Solepoxy **DATE:** 9/30/14

SAMPLE COLLECTOR(S): Z. Tennies **WEATHER:** Indoors

PID READING IN WELL HEADSPACE (PPM): 0.0 **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BGS]: 22 – 34' **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 24.76 / 9-30-14

WELL DEPTH [FT BGS]: 34' **DEPTH OF PUMP INTAKE [FT BGS]:** 26.0
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-50 **WATER LEVEL METER:** Solinst

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1.5 **CONTROL BOX REFILL RATE:** 3.0

STABILIZED PUMP RATE (ml/min): 140 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 24.99

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
9:57	140	24.99	23.90	82	8.11	1.38	7.20	16.07	0
10:00	140	24.99	3.69	82	6.58	1.40	7.22	15.65	420
10:04	140	24.99	4.10	81	6.15	1.46	7.22	14.80	980
10:08	140	24.99	3.64	78	6.08	1.47	7.20	14.53	1680
10:12	140	24.99	3.52	76	5.89	1.48	7.18	14.45	2100
10:15	140	24.99	3.46	75	5.58	1.48	7.18	14.40	2520
10:18	140	24.99	3.40	73	5.59	1.48	7.17	14.35	2940
10:22	140	24.99	3.29	71	5.65	1.48	7.15	14.27	3500
10:25	140	24.99	3.24	70	5.42	1.49	7.14	14.23	3920
10:28	140	24.99	3.19	69	5.19	1.49	7.13	14.20	4340

SAMPLE OBSERVATIONS: Clear, no odor

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-L	9-30-14 / 10:30	Bladder Pump	VOCs, SVOCs, Metals

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-M

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street **JOB #** 4884S-13

PROJECT NAME: Solepoxy **DATE:** 9/30/14

SAMPLE COLLECTOR(S): W. Batiste **WEATHER:** 60°F, Sunny

PID READING IN WELL HEADSPACE (PPM): 0.1 **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BGS]: 18 – 28' **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 22.66 / 9-30-14

WELL DEPTH [FT BGS]: 28' **DEPTH OF PUMP INTAKE [FT BGS]:** 26.0'
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron OWIP

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 2.0 **CONTROL BOX REFILL RATE:** 8.0

STABILIZED PUMP RATE (ml/min): 80 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 22.73

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
10:45	80	22.73	0.64	-95	-5.0	5.37	6.56	13.8	660
10:48	80	22.73	0.53	-102	-5.0	4.02	6.67	12.5	900
10:51	80	22.73	0.40	-107	-5.0	4.12	6.73	11.3	1140
10:57	80	22.73	0.34	-115	830	4.21	6.85	10.0	1380
11:00	80	22.73	0.26	-119	670	4.37	6.90	9.3	1620
11:03	80	22.73	0.20	-128	520	4.50	6.91	8.9	1860
11:06	80	22.73	0.14	-143	440	4.67	6.92	8.9	2100
11:09	80	22.73	0.13	-145	435	4.65	6.93	8.8	2340
11:12	80	22.73	0.13	-146	430	4.69	6.92	8.9	2540
11:15	80	22.73	0.00	-149	4.27	4.67	6.93	8.7	2820
11:18	80	22.73	0.00	-153	4.20	4.64	6.93	8.5	3060
11:21	80	22.73	0.00	-150	419	4.63	6.94	8.6	3300

SAMPLE OBSERVATIONS: Slightly cloudy, slight odor

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-M	9-30-14 / 11:25	Bladder Pump	VOCs, SVOCs, Metals

DRAFT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-N

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 211 Franklin Street **JOB #** 4884S-13

PROJECT NAME: Solepoxy **DATE:** 9/29/14

SAMPLE COLLECTOR(S): Z. Tennies **WEATHER:** -

PID READING IN WELL HEADSPACE (PPM): 22.9 **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BGS]: 23.5 – 33.5' **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 25.26 / 9-29-14

WELL DEPTH [FT BGS]: 33.5' **DEPTH OF PUMP INTAKE [FT BGS]:** 27.0
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: No **DNAPL:** N/M **OTHER OBSERVATIONS:**

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 2.0 **CONTROL BOX REFILL RATE:** 4.0

STABILIZED PUMP RATE (ml/min): 130 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 25.02

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
11:02	130	25.02	4.70	-73	94.6	1.31	7.01	18.39	0
11:05	130	25.02	4.62	-85	74.5	1.31	7.11	18.26	390
11:08	130	25.02	4.46	-104	64.2	1.30	7.24	18.30	780
11:11	130	25.02	4.44	-107	53.2	1.30	7.25	18.29	1170
11:14	130	25.02	4.40	-113	45.0	1.30	7.26	18.28	1560
11:18	130	25.02	4.35	-118	36.1	1.30	7.26	18.28	2080
11:21	130	25.02	4.32	-120	31.3	1.30	7.75	18.29	2470

SAMPLE OBSERVATIONS: Slightly cloudy, slight color, no odor

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-N	9-29-14 / 11:22	Bladder Pump	VOCs, SVOCs, Metals

DRAFT

APPENDIX H

HYDRAULIC CONDUCTIVITY TEST RESULTS

DRAFT

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET

SITE: 211 Franklin Street, Olean NY

JOB NUMBER: 4884s-13

DATE: 11-5-14

DAY REPRESENTATIVES: W. Batiste

WELL: MW-G

WELL DIAMETER: 2"

STATIC WATER LEVEL: 25.23

SLUG DIMENSIONS: Length = 3.3'; Diameter = 0.15'

WELL DEPTH: 32.56'

TIME SLUG IN: 1231

TIME SLUG OUT: 1233

TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL
SLUG IN				***SLUG OUT***	25.26		
1232	25.23			1234	25.26		
				1236	25.25		
				1238	25.24		

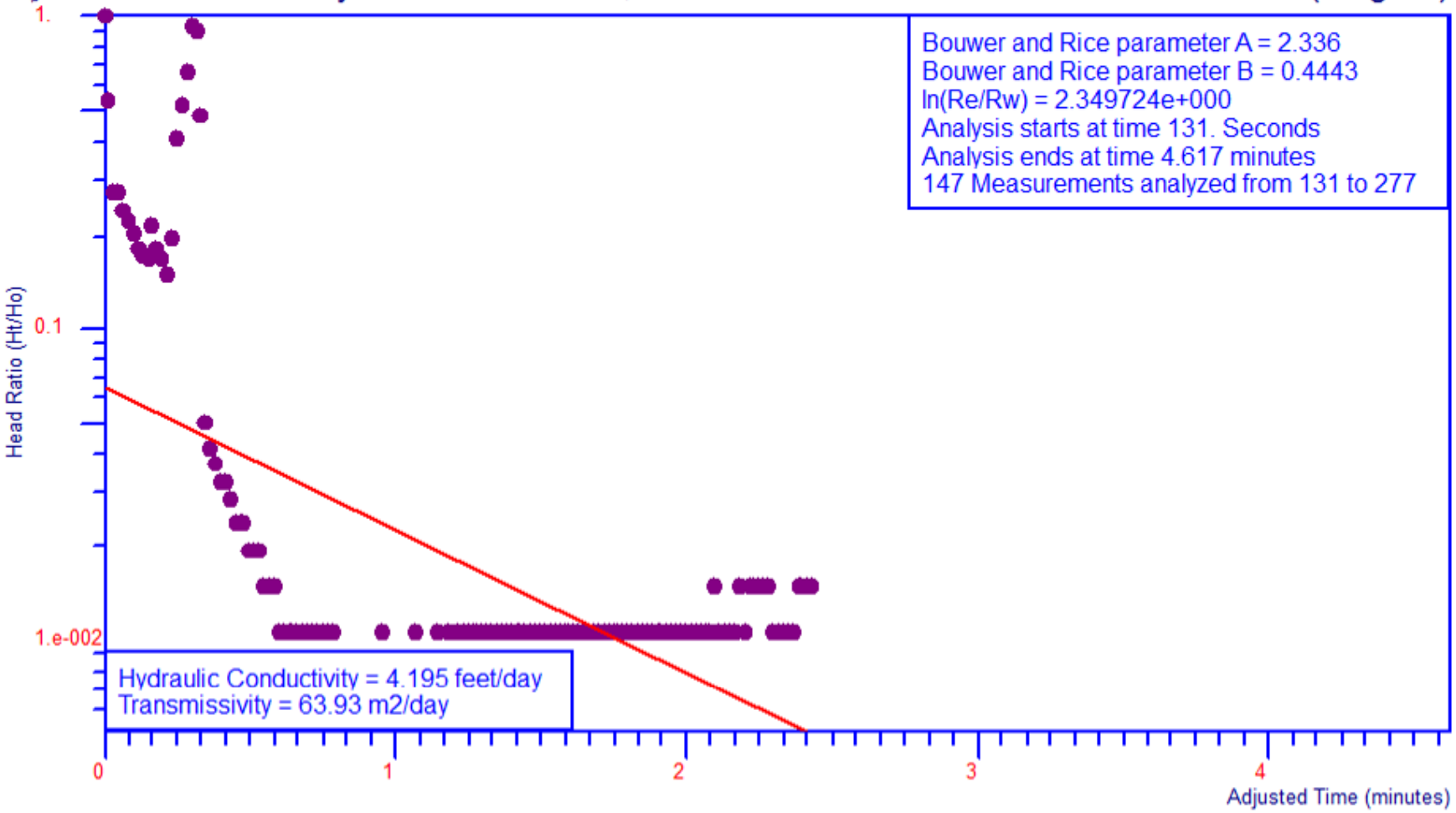
DRAFT

211 Franklin Street, Olean, NY

Bouwer and Rice Graph

Hydraulic Conductivity for November 5, 2014

MW-G (Slug-IN)



Ho is 3.888 feet at 131. Seconds

Project Number: 4884S-13

Analysis by Starpoint Software

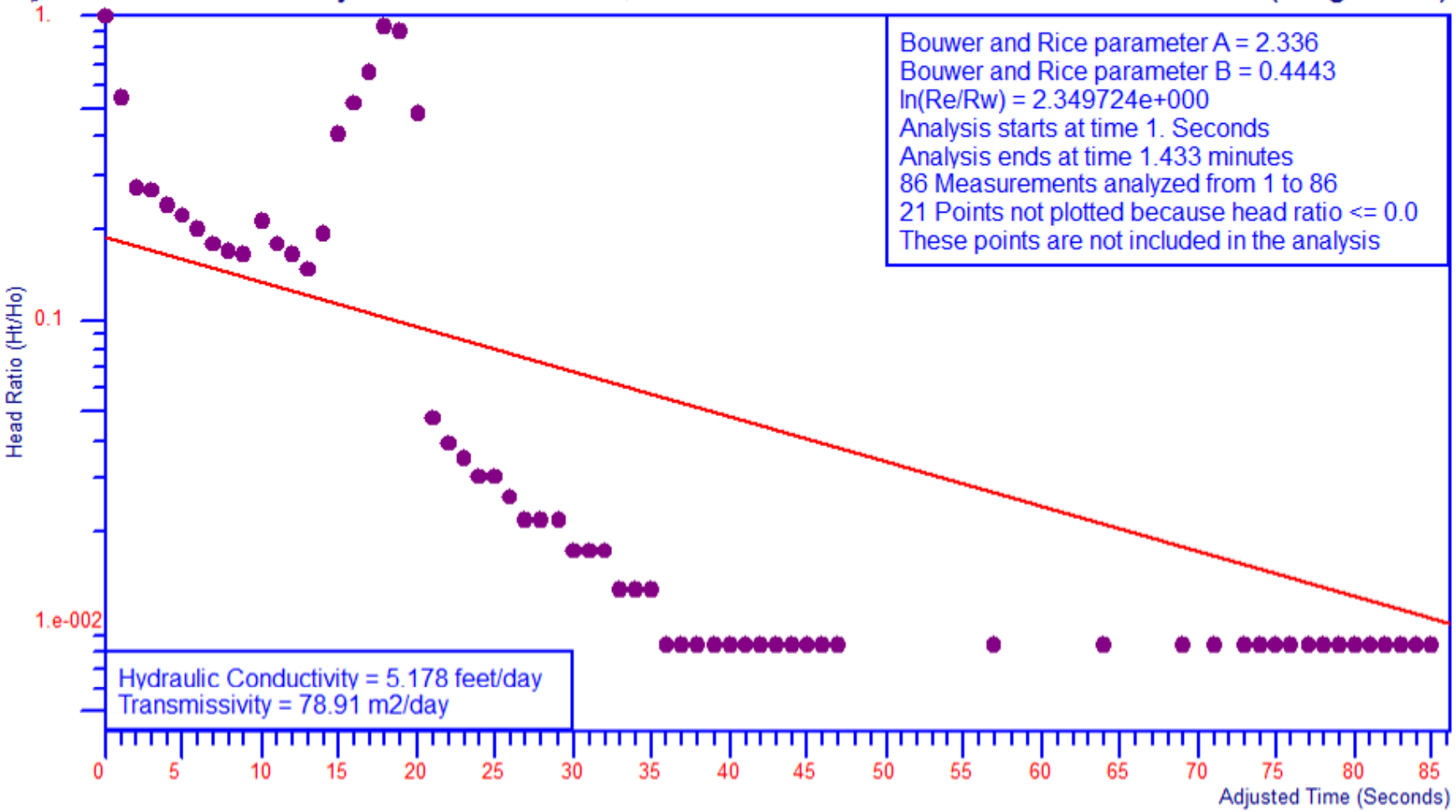
DRAFT

211 Franklin Street, Olean, NY

Bouwer and Rice Graph

Hydraulic Conductivity for November 5, 2014

MW-G (Slug-OUT)



Project Number: 4884S-13

Analysis by Starpoint Software

Ho is 3.88 feet at 1. Seconds

DRAFT

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET

SITE: 211 Franklin Street, Olean NY

JOB NUMBER: 4884s-13

DATE: 11-5-14

DAY REPRESENTATIVES: W. Batiste

WELL: MW-I

WELL DIAMETER: 2"

STATIC WATER LEVEL: 24.93

SLUG DIMENSIONS: Length = 3.3'; Diameter = 0.15'

WELL DEPTH: 32.53'

TIME SLUG IN: 1244

TIME SLUG OUT: 1449

TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL
SLUG IN	24.84			***SLUG OUT***	25.17		
1445	24.87			1450	25.03		
1446	24.92			1451	24.97		
1447	24.92			1452	24.94		
1448	24.93			1453	24.94		

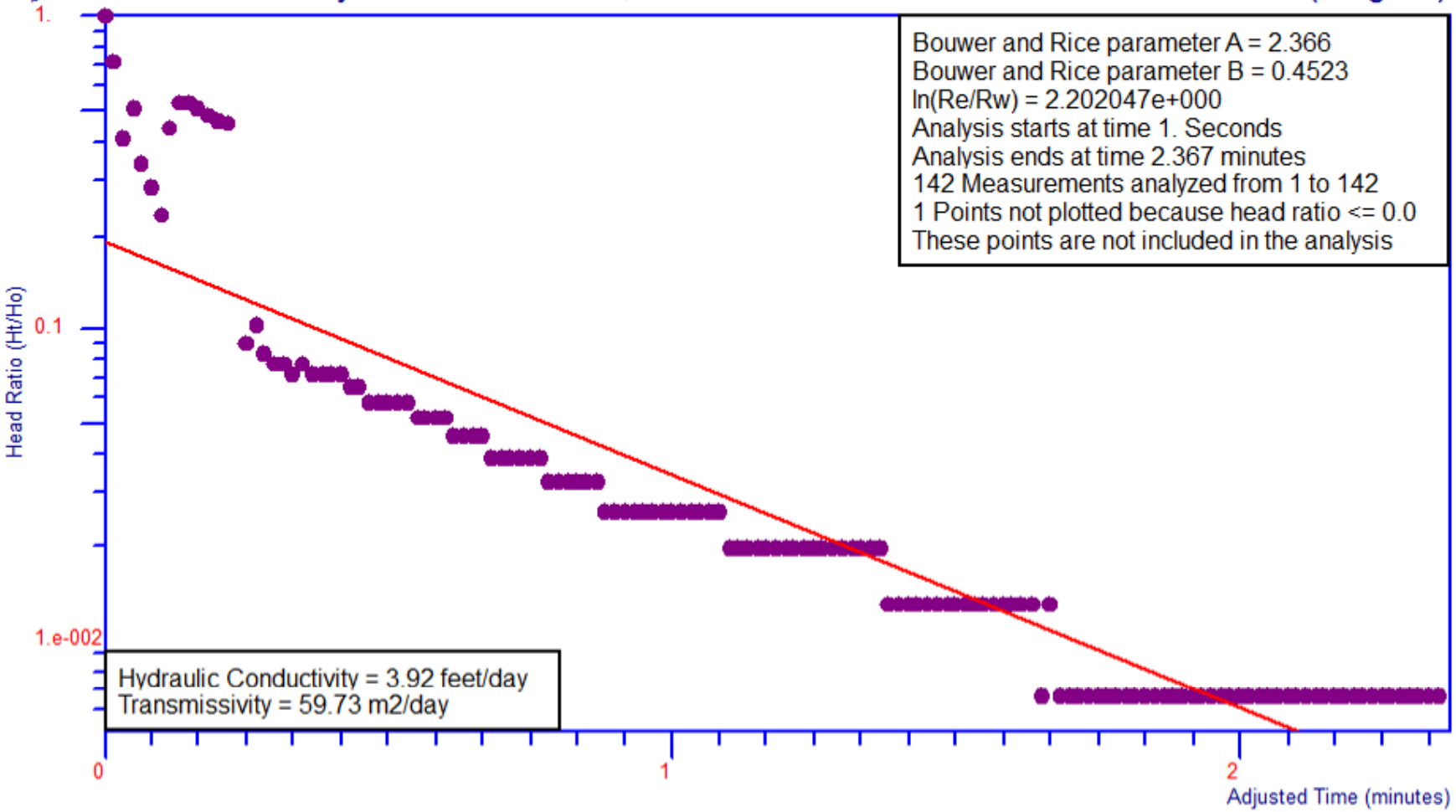
DRAFT

211 Franklin Street, Olean, NY

Hydraulic Conductivity for November 5, 2014

Bouwer and Rice Graph

MW-I (Slug-IN)



Ho is 2.632 feet at 1. Seconds

Project Number: 4884S-13

Analysis by Starpoint Software

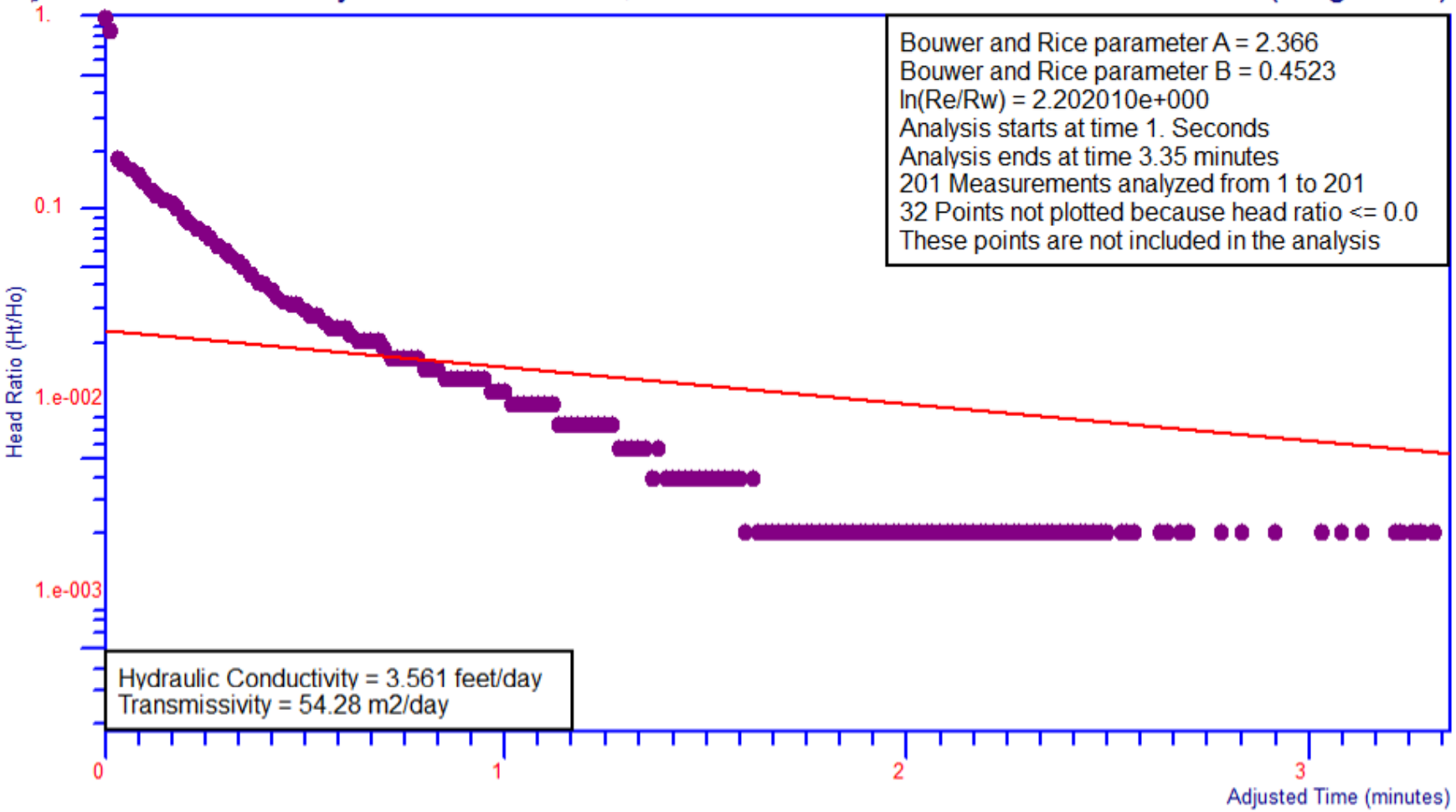
DRAFT

211 Franklin Street, Olean, NY

Bouwer and Rice Graph

Hydraulic Conductivity for November 5, 2014

MW-I (Slug-OUT)



Ho is 9.348 feet at 1. Seconds

Project Number: 4884S-13

Analysis by Starpoint Software

DRAFT

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET

SITE: 211 Franklin Street, Olean NY

JOB NUMBER: 4884s-13

DATE: 11-5-14

DAY REPRESENTATIVES: W. Batiste

WELL: MW-K

WELL DIAMETER: 2"

STATIC WATER LEVEL: 20.8

SLUG DIMENSIONS: Length = 3.3'; Diameter = 0.15'

WELL DEPTH: 29.60'

TIME SLUG IN: 1615

TIME SLUG OUT: 1625

TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL	TIME	WATER LEVEL
SLUG IN	20.8			***SLUG OUT***	-		
1617	20.74			1625	-		
1618	20.75			1627	21.70		
1619	20.76			16.28	21.18		
1620	20.77			1629	20.95		
1623	20.77			1630	20.88		
1624	20.77			1631	20.85		
				1632	20.83		
				1633	20.83		

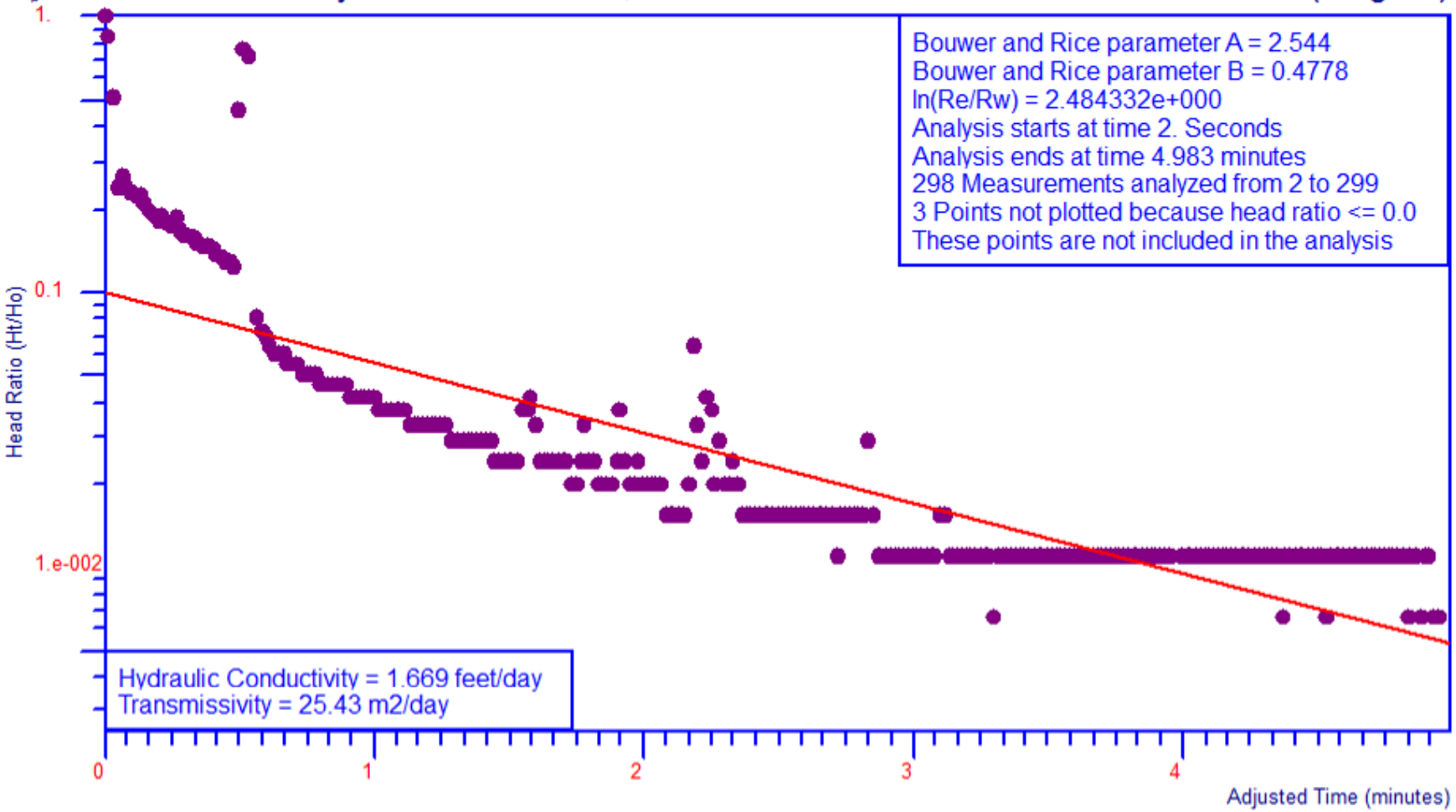
DRAFT

211 Franklin Street, Olean, NY

Bouwer and Rice Graph

Hydraulic Conductivity for November 5, 2014

MW-K (Slug-IN)



Ho is 3.856 feet at 2. Seconds

Project Number: 4884S-13

Analysis by Starpoint Software

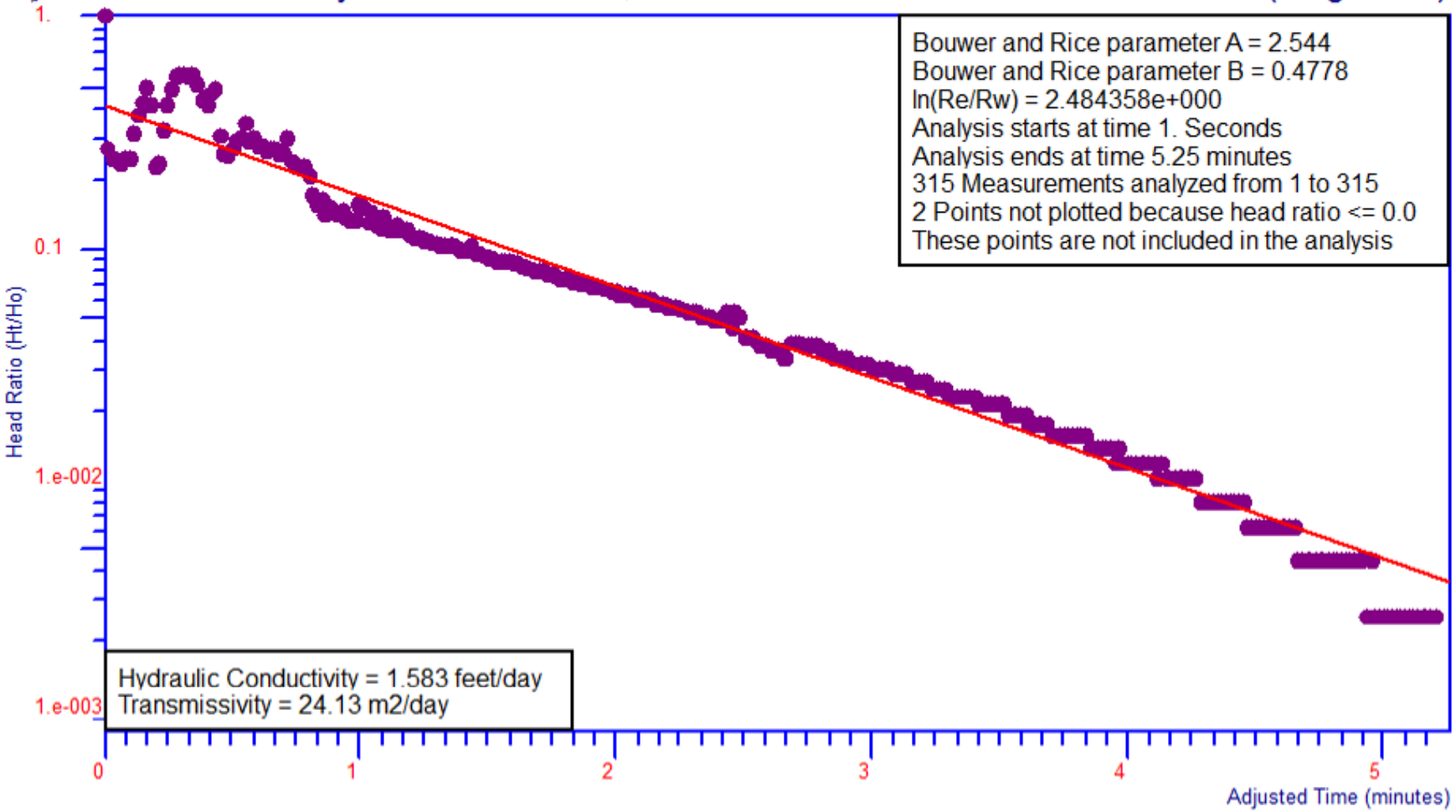
DRAFT

211 Franklin Street, Olean, NY

Hydraulic Conductivity for November 5, 2014

Bouwer and Rice Graph

MW-K (Slug-OUT)



Ho is 9.268 feet at 1. Seconds

Project Number: 4884S-13

Analysis by Starpoint Software

DRAFT

APPENDIX I

FISH AND WILDLIFE RESOURCES ANALYSIS (FWRIA) DECISION KEY

Appendix 3C Fish and Wildlife Resources Impact Analysis Decision Key	If YES Go to:	If NO Go to:
1. Is the site or area of concern a discharge or spill event?	13	2
2. Is the site or area of concern a point source of contamination to the groundwater which will be prevented from discharging to surface water? Soil contamination is not widespread, or if widespread, is confined under buildings and paved areas.	13	3
3. Is the site and all adjacent property a developed area with buildings, paved surfaces and little or no vegetation?	4	9
4. Does the site contain habitat of an endangered, threatened or special concern species?	Section 3.10.1	5
5. Has the contamination gone off-site?	6	14
6. Is there any discharge or erosion of contamination to surface water or the potential for discharge or erosion of contamination?	7	14
7. Are the site contaminants PCBs, pesticides or other persistent, bioaccumulable substances?	Section 3.10.1	8
8. Does contamination exist at concentrations that could exceed ecological impact SCGs or be toxic to aquatic life if discharged to surface water?	Section 3.10.1	14
9. Does the site or any adjacent or downgradient property contain any of the following resources? i. Any endangered, threatened or special concern species or rare plants or their habitat ii. Any DEC designated significant habitats or rare NYS Ecological Communities iii. Tidal or freshwater wetlands iv. Stream, creek or river v. Pond, lake, lagoon vi. Drainage ditch or channel vii. Other surface water feature viii. Other marine or freshwater habitat ix. Forest x. Grassland or grassy field xi. Parkland or woodland xii. Shrubby area xiii. Urban wildlife habitat xiv. Other terrestrial habitat	11	10
10. Is the lack of resources due to the contamination?	3.10.1	14
11. Is the contamination a localized source which has not migrated and will not migrate from the source to impact any on-site or off-site resources?	14	12
12. Does the site have widespread surface soil contamination that is not confined under and around buildings or paved areas?	Section 3.10.1	12
13. Does the contamination at the site or area of concern have the potential to migrate to, erode into or otherwise impact any on-site or off-site habitat of endangered, threatened or special concern species or other fish and wildlife resource? (See #9 for list of potential resources. Contact DEC for information regarding endangered species.)	Section 3.10.1	14
14. No Fish and Wildlife Resources Impact Analysis needed.		