PERIODIC REVIEW REPORT

SENECA MARKET I, LLC SITE
(BCP SITE NO. C849004)

WATKINS GLEN, NEW YORK

October 2020 0211-001-600

Prepared for:

Seneca Market I, LLC

Prepared By:

Benchmark Environmental Engineering & Science, PLLC
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PERIODIC REVIEW REPORT

Seneca Market I, LLC Site

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1.0 INTRODUCTION

Benchmark Environmental Engineering and Science, PLLC (Benchmark) has prepared this Periodic Review Report (PRR), on behalf of Seneca Market I, LLC to summarize the post-remedial status of New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C849004, located in the Village of Watkins Glen, Schuyler County, New York (Site; see Figure 1).

This PRR has been prepared for the Seneca Market I, LLC Site in accordance with NYSDEC DER-10 *Technical Guidance for Site Investigation and Remediation* (May 2010). The NYSDEC's Institutional and Engineering Controls (IC/EC) Certification Form has been completed for the Site (see Appendix A).

This PRR and the associated inspections form has been completed for the post-remedial activities at the Site for the August 29, 2017 to August 29, 2020 reporting period.

1.1 Site Background

The Seneca Market I, LLC Site encompasses approximately 2.3-acres of land which was redeveloped as a hotel complex in Watkins Glen, New York (see Figure 1). The Site was formerly comprised of four separate adjoining tax parcels which were historically used as a dry-cleaning facility, a bus garage, an automobile museum, a grape processing facility, and an asphalt company. Figure 2 shows the former parcels and buildings prior to remediation.

On-Site soil and groundwater were contaminated by chlorinated volatile organic compounds (cVOCs) related to the dry-cleaning operation, and petroleum hydrocarbons related to the former underground storage tanks (USTs) and automobile repair operations.

1.2 Remedial History

Between 1994 and 1999, multiple remedial efforts were implemented by the NYSDEC across the Site including soil vapor extraction (SVE), groundwater pump and treat system, and soil excavation. Though the remedial activities employed were successful in reducing contaminant levels, remaining soil and groundwater contamination requiring further remedial efforts was necessary for redevelopment of the Site.

After acceptance into the New York State BCP in November 2005, a Remedial Design (RD) Work Plan was prepared and subsequently approved by the NYSDEC.

Remedial activities began in October 2006 and were completed in November 2008. Remedial activities are described below in Section 2.0. The remedial program was successful in achieving the remedial objectives for the Site, and the Site Management Plan (SMP) and Final Engineering Report (FER) were approved by the Department in December 2008. The NYSDEC issued a COC for the Site on December 31, 2008.

1.3 Compliance

At the time of the Site inspection, the Site was compliant with the Department's approved SMP.

1.4 Recommendations

Based on the results of the annual inspection and certification, Benchmark makes the following recommendations for the Site.

- Discontinue groundwater sampling at MW-7S and MW-21S.

Beyond those changes described above, no modifications are recommended at this time.

2.0 SITE OVERVIEW

The Site is located within the block bounded by Franklin, First, Decatur Streets, and the Finger Lakes Railway right-of-way in the Village of Watkins Glen, Schuyler County, New York (see Figures 1 and 2). The parcels have a history of use that dates back to the 1860s. The Site was historically used as a dry-cleaning facility, a bus garage, an automobile museum, a grape processing facility, and an asphalt company. The portion of the Site formerly addressed at 20 North Franklin Street was historically occupied by a dry-cleaning facility and was formerly identified as an inactive Class 2 hazardous waste site by the NYSDEC. That portion of the Site was further remediated and is currently managed under the BCP.

Environmental site investigations were conducted between 1991 and 1993 confirmed contamination of the Site's soil and groundwater. In 1994 the NYSDEC issued a Record of Decision (ROD) which determined the remedial approach for the former dry-cleaning site. Remedial measures including SVE, and groundwater treatment were initiated in 1996, and subsequently suspended in 1998, pending the need for further investigation.

Seneca Market I, LLC entered into a Brownfield Cleanup Agreement (BCA) with the NYSDEC in 2005 to remediate and redevelop the site as a hotel complex. The remedial activities began in October 2006 and were completed in November 2008. The remedial activities included:

- Decommissioning of historic monitoring wells.
- Excavation and off-site disposal of soil impacted with chlorinated volatile organic compounds (cVOCs) within the former dry cleaner area.
- Extraction and treatment of groundwater from the cVOC excavation.
- Delivery of hydrogen release compounds (HRC) to the cVOC excavation to enhance degradation of residual cVOCs in saturated soil and groundwater.
- Removal of an underground storage tank (UST) encountered in the area of the former dry cleaner.
- Removal of two in-ground lifts and one UST and excavation and off-site disposal of petroleum-impacted soil in the area of the former bus garage.
- Implementation of a Soil/Fill Management Plan (SFMP) during Site redevelopment.
- Installation of a vapor barrier and an active sub-slab depressurization (ASD) system beneath the newly constructed hotel; and
- Placement of cover system.

Remedial activities were completed in November 2008. The FER and SMP for the Site were approved by the Department in December 2008. The COC was issued for the Site on December 31, 2008.

3.0 REMEDY PERFORMANCE

Post-remedial annual site inspections and long-term groundwater monitoring have been completed at the Site in accordance with the SMP since 2008. The Site inspection including a walk-over of the entire BCP Site to visually observe and document the use of the Site for commercial use, restriction of groundwater use, operation of the active subslab vapor extraction system, and conformance with the Site Management Plan (SMP). The 2018, 2019, and 2020 site inspections completed during this reporting period indicate that the controls are in-place and functioning as intended in accordance with the SMP.

The completed IC/EC Certification form and site photographs are included in Appendix A and Appendix B, respectively.

4.0 SITE MANAGEMENT PLAN

A SMP was prepared for the Site and approved by the Department in December 2008. The SMP includes an Operation, Monitoring and Maintenance (OM&M) Plan, a Soil/Fill Management Plan (SFMP), and a copy of the Environmental Easements. A brief description of the components of the SMP is presented below.

4.1 Operation, Monitoring and Maintenance Plan

The OM&M Plan consists of three major components, including the Active Sub-slab Depressurization System (ASD); the Long-Term Groundwater Monitoring (LTGWM) Plan; and the Annual Inspection & Certification Program.

4.1.1 Active Sub-slab Depressurization System

An ASD system was installed during construction of the hotel building. As required by the Department approved SMP, the ASD system must: (1) be operated continuously to provide a negative pressure field; (2) be visually inspected periodically to verify proper operation; and (3) annually inspected and certified that the system is performing properly and remains an effective engineering control (EC).

The ASD system was inspected on August 29, 2018, August 12, 2019, and August 26, 2020. The inspector verified that the ASD system was operating properly at the time of the site inspections. Copies of the ASD visual inspection logs are included in Appendix C.

4.1.2 Long-Term Groundwater Monitoring Plan

Long-term groundwater monitoring (LTGWM) was conducted on August 29, 2018 August 12, 2019 and August 26, 2020. A discussion of the groundwater monitoring results is described in Section 5 below.

4.1.3 Annual Inspection and Certification Program

The Annual Inspection and Certification Program outlines the requirements for the Site, to certify and attest that the institutional controls and/or engineering controls employed at the Site are unchanged from the previous certification. The Annual Certification will

primarily consist of an annual Site Inspection to complete the NYSDEC's IC/EC Certification Form. The Site inspection will verify that the IC/ECs:

- Are in place and effective.
- Are performing as designed.
- That nothing has occurred that would impair the ability of the controls to protect the public health and environment.
- That nothing has occurred that would constitute a violation or failure to comply with any operation and maintenance plan for such controls.
- Access is available to the Site to evaluate continued maintenance of such controls.

A Site inspection of the property was conducted by Benchmark during this reporting period on August 29, 2018, August 12, 2019, and August 26, 2020. At the time of the inspections, the property was being used as a hotel complex (Seneca Harbor Hotel), with surface parking, paved walkways, and landscaped areas. No observable indication of intrusive activities was noted during the Site inspection. The hotel complex utilizes the local municipal water supply, and no observable use of groundwater was noted during the Site inspections.

The completed Site Management Periodic Review Report Notice – Institutional and Engineering Controls Certification Form is included in Appendix A. A photo log of the Site inspection is included in Appendix B.

4.2 Soil/Fill Management Plan

A SFMP was included in the approved-SMP for the Site. The SFMP provides guidelines for the management of soil and fill material during any future intrusive actives.

No intrusive activities requiring management of on-Site soil or fill material; or the placement of backfill materials occurred during the montoring period.

4.3 Engineering and Institutional Control Requirements and Compliance

As detailed in the Environmental Easements, several IC/ECs need to be maintained as a requirmement of the BCAs for the Site.

4.3.1 Institutional Controls

- Groundwater-Use Restriction – the use of groundwater for potable and non-potable purposes is prohibited; and
- Land-Use Restriction: The controlled property may be used for commercial and/or industrial use; and
- Implementation of the SMP including the OM&M Plan and SFMP.

4.3.2 Engineering Controls

- Vapor Mitigation – ASD System has been operated continuously and properly maintained.
- Cover System – The cover system, including building foundations, concrete sidewalks, concrete or asphalt driveways and parking areas, and landscaped vegetated areas are all being maintained in compliance with the SMP.

At the time of the site inspection, the Site was compliant with all engineering and institutional control requirements.

5.0 LONG-TERM GROUNDWATER MONITORING

The long-term groundwater monitoring events for this reporting period occurred on August 29, 2018, August 12, 2019, and August 26, 2020, which included the collection of groundwater samples using Passive Diffusion Bags (PDBs) from monitoring wells MW-1SR, MW-3SR, MW-7S, MW-10S, and MW-21S.

Groundwater samples from each of the sampled wells were analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) per USEPA Method 8260. Tables 1 through 6 summarizes the analytical data from the current groundwater monitoring events, as well as historic groundwater monitoring events completed by Benchmark and the NYSDEC with comparison to NYSDEC Class GA groundwater quality standards (GWQS) as listed in NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1). The laboratory analytical packages are included in Appendix D.

As shown on Tables 1 through 5, chlorinated VOCs were either non-detect or below the GWQS in MW-3SR, MW-7S, MW-10S, or MW-21S. Analytical results for MW-1SR were similar to historic monitoring events, with certain parameters above their GWQS.

Groundwater elevations at each monitoring well were recorded during the 2018, 2019 and 2020 monitoring events. Tables 6 through 8 shows the relative groundwater elevations recorded during each event. An isopotenial map (Figure 4) includes estimated groundwater flow direction for the August 2020 event. The groundwater flow is generally north-northwest.

Based on the groundwater sampling completed at the Site, which indicates that no elevated VOCs are present, with the exception of MW-1SR, it is recommended to discontinue future groundwater sampling at MW-7S and MW-21S.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Conclusions:

The Site is in compliance with the SMP

Recommendation:

Based on the results of the annual inspection and certification, Benchmark makes the following recommendations for the Site.

- Discontinue future groundwater sampling at MW-7S and MW-21S.

7.0 DECLARATION/LIMITATION

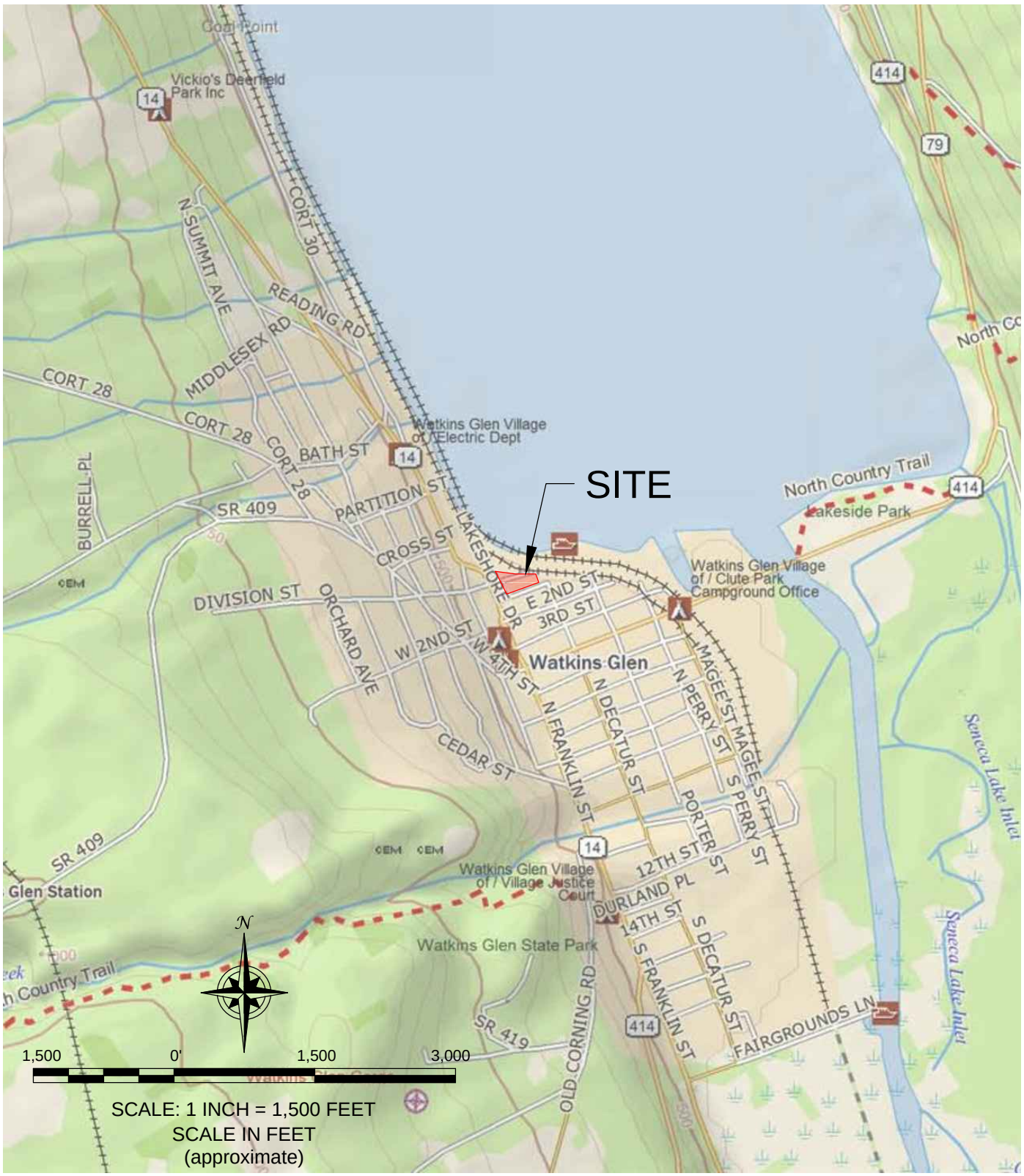
Benchmark Environmental Engineering and Science, PLLC, personnel conducted the annual site inspections for Brownfield Cleanup Program Site No. C849004, Watkins Glen, New York, according to generally accepted practices. This report complied with the scope of work provided to Seneca Market I, LLC by Benchmark Environmental Engineering and Science, PLLC.

This report has been prepared for the exclusive use of Seneca Market I, LLC. The contents of this report are limited to information available at the time of the site inspection. The findings herein may be relied upon only at the discretion of Seneca Market I, LLC. Use of or reliance upon this report or its findings by any other person or entity is prohibited without written permission of Benchmark Environmental Engineering and Science, PLLC.

FIGURES

F:\CAD\Benchmark\Seneca Market I, LLC\Periodic Review Report\2013\Figure 1; Site Location and Vicinity Map.dwg

FIGURE 1



BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

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PROJECT NO.: 0092-013-001

DATE: JULY 2013

DRAFTED BY: JGT

SITE LOCATION AND VICINITY MAP

PERIODIC REVIEW REPORT

SENECA MARKEY I, LLC SITE

WATKINS GLEN, NEW YORK

PREPARED FOR

SENECA MARKET I, LLC

F:\CAD\Benchmark\Seneca Market I, LLC\Periodic Review Report\2013\Figure 2; Site Plan (Pre).dwg

COLOR CODE:

- INACTIVE HAZARDOUS WASTE SITE (BCP)
- SENECA MARKET I, LLC SITE (BCP)
- BUILDING OR FOUNDATION (SEE BELOW)

LEGEND:

- BCP PROPERTY BOUNDARY
- PARCEL BOUNDARY
- (1) SENECA MARKET BUILDING
- (2) FORMER GLEN VINTAGE AUTO MUSEUM BUILDING
- (3) FORMER DRY CLEANER BUILDING
- (4) FORMER BUS GARAGE (SENECA HARDWOODS BUILDING)
- (5) REPUTED FORMER WELCH'S GRAPE FACILITY FOUNDATION
- (6) FORMER ASPHALT COMPANY
- (7) FORMERLY OWNED BY SCHUYLER COUNTY IDA

SCALE: 1 INCH = 60 FEET
SCALE IN FEET
(approximate)

DATE: JULY 2013
DRAFTED BY: BCH/NTM

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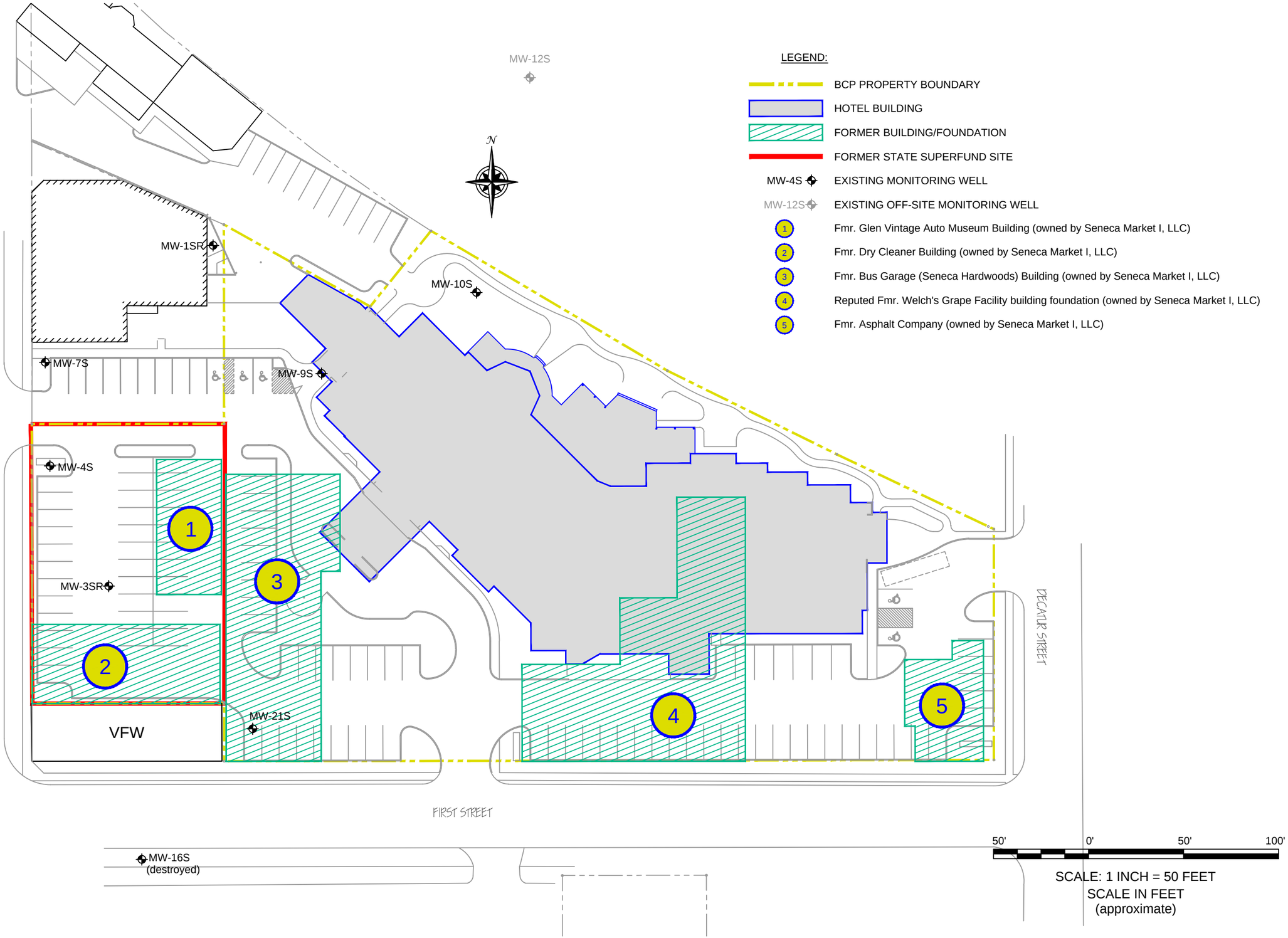
BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

JOB NO.: 0092-013-001

SITE PLAN (PRE-REMEDIATION)

PERIODIC REVIEW REPORT
SECECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK
PREPARED FOR
SENECA MARKET I, LLC

FIGURE 2



F:\CAD\Benchmark\Seneca Market I, LLC\Periodic Review Report\2013\Figure 3; Site Plan (Post-Redev) 2007.dwg

DATE: JULY 2013
DRAFTED BY: BCH/NTM

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BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

JOB NO.: 0092-013-001

SITE PLAN (POST-REMEDIATION)

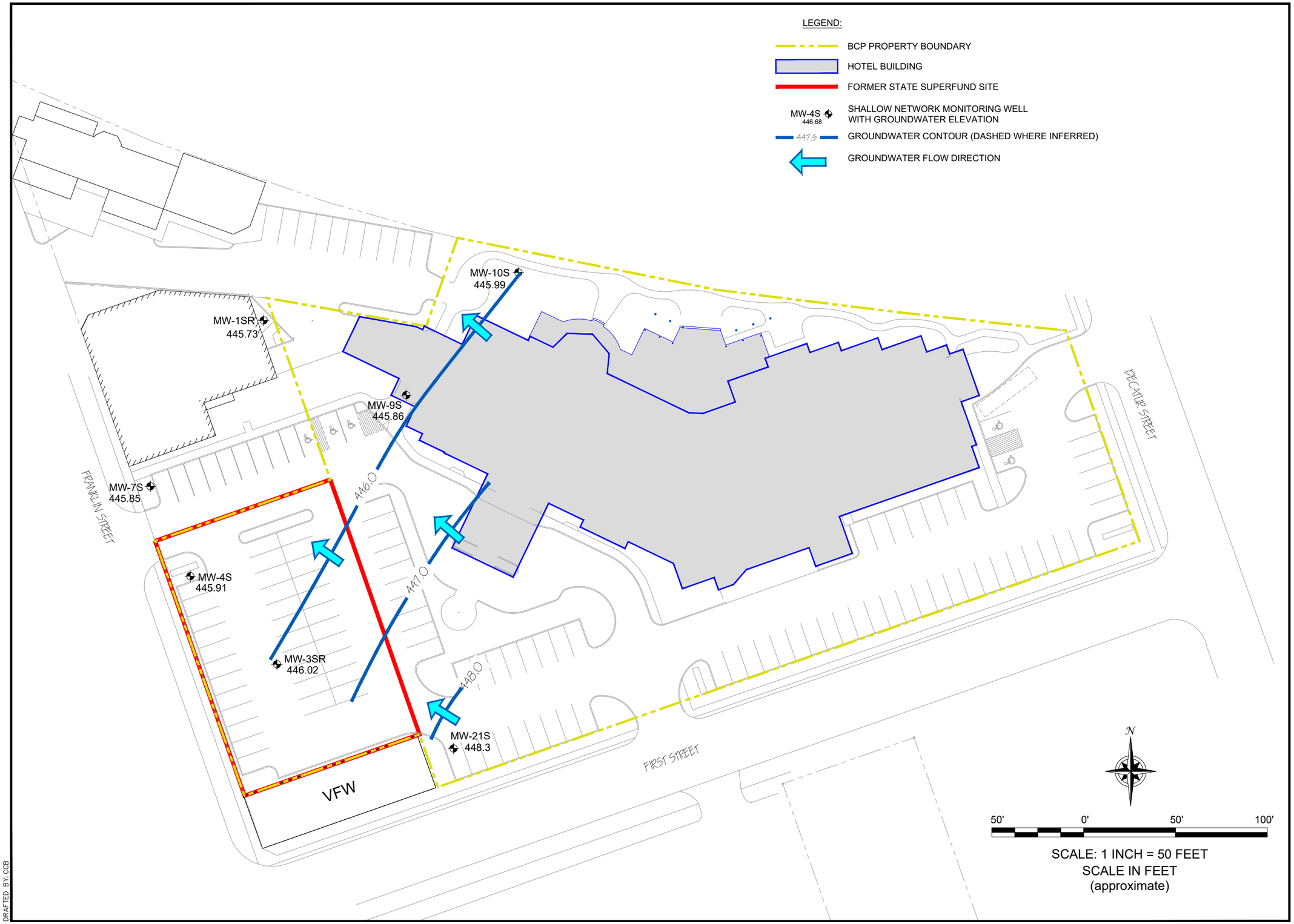
PERIODIC REVIEW REPORT
SENECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK
PREPARED FOR
SENECA MARKET I, LLC

FIGURE 3

F:\CAD\Benchmark\Seneca Market I, LLC\Periodic Review Report\2018-2020\Figure 4; Groundwater Isopotential Map (August 2020).dwg

LEGEND:

- BCP PROPERTY BOUNDARY
- HOTEL BUILDING
- FORMER STATE SUPERFUND SITE
- MW-4S 446.68 — SHALLOW NETWORK MONITORING WELL WITH GROUNDWATER ELEVATION
- 447.5 — GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION



SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

DATE: SEPTEMBER 2020
DRAFTED BY: CCB

GROUNDWATER ISOPOTENTIAL MAP AUGUST 2020

PERIODIC REVIEW REPORT

SENECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK
SITE NO. C849004

PREPARED FOR
SENECA MARKET I, LLC

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FIGURE 4

TABLES

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 1
SUMMARY OF GROUNDWATER MONITORING RESULTS

SENECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK

Parameter [1]	Sample Location																				GWQS[6]
	MW-1SR																				
	1/1/93[2]	4/1/93[2]	11/21/08	02/27/09	05/20/09	09/23/09	12/14/09	05/27/10	10/18/10	05/11/11	10/21/11	06/11/12	06/24/13	05/29/14	08/24/15	08/29/16	08/21/17	08/29/18	08/12/19	08/26/20	
TCL Volatile Organic Compounds (VOCs) - ug/L																					
Acetone	ND	ND	1.4 J	ND	ND	ND	ND	ND	ND	8.4 J	17	6.5	ND	ND	ND	6.9	ND	ND	8	3.4 J	**50**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**
Bromomethane (Methyl bromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.77 J	ND	ND	**5**
Carbon disulfide	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**--**
Chloromethane (Methyl chloride)	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.85 J	ND	**5**
1,1-Dichloroethene	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18 J	ND	ND	**5**
cis-1,2-Dichloroethene	NA	NA	91	75	72	71	79	80	74	110	91	80	93	100	83	100	96	93	98	66	**5**
trans-1,2-Dichloroethene	NA	NA	0.71 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	0.81 J	0.72 J	ND	0.81 J	ND	**5**
Total 1,2-Dichloroethene	43	40	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
4-methyl-2-pentanone (MIBK)	9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**--**
Methyl tert butyl ether (MTBE)	ND	ND	1.8	1.6	2	1.7	1.7	1.9	1.1	1.2	ND	ND	ND	ND	0.72 J	ND	ND	ND	ND	ND	**10**
Tetrachloroethene	410	360	88	70	87	83	87	70	68	71	84	62	49	56	38	28	55	38	38	22	**5**
Trichloroethene	22 J	26	21	17	21	20	20	18	17	19	22	18	17	17	13	17	18	15	14	ND	**5**
Vinyl chloride	ND	ND	1.5	1.7	1.4	1.7	1.8	3	1.9	3.3	1.5	ND	1.9	1.6	0.31 J	0.61 J	0.94 J	0.96 J	0.73 J	0.35 J	**2**
o-Xylenes	ND	ND	ND	ND	ND	ND	ND	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Total Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Total VOCs	484.0	426.0	205.8	165.3	183.4	178.5	189.5	175.9	162.0	212.9	215.5	166.5	160.9	176.2	135.0	153.3	170.7	147.9	160.4	91.8	
Total Chlorinated VOCs	475.0	426.0	202.2	163.7	181.4	175.7	187.8	171.0	160.9	203.3	198.5	160.0	160.9	176.2	134.3	146.4	170.7	147.0	151.5	88.4	

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Results are from the 1993 RI/FS report prepared by URS.
3. Pre-injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
4. Between injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
5. Post-injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
6. Class "GA" Groundwater Quality Standards for NYSDEC Divisions of Water TOGS 1.1.1
7. Monitoring Wells MW-4S & MW-9S added to monitoring program as per NYSDEC Letter Dated June 9, 2010.

Definitions:
ND = Parameter not detected above laboratory detection limit.
NA = Sample not analyzed for parameter.
"--" = No GWQS available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
R = Data rejected.

Excedeeds GWQS

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 2
SUMMARY OF GROUNDWATER MONITORING RESULTS

SENECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK

Parameter [1]	MW-3SR																							GWQS[6]
	1/1/93[2]	4/1/93[2]	3/16/00[3]	6/23/00[4]	10/20/00[5]	11/21/08	02/27/09	05/20/09	09/23/09	12/14/09	05/27/10	10/18/10	05/11/11	10/21/11	06/11/12	06/24/13	05/29/14	08/24/15	08/29/16	08/21/17	08/29/18	08/12/19	08/26/20	
TCL Volatile Organic Compounds (VOCs) - ug/L																								
Acetone	R	R	ND	24	ND	ND	ND	ND	ND	ND	ND	ND	12	12	11	ND	ND	ND	8.9	2.2 J	2.1 J	6.2	4.9	**50**
Benzene	ND	R	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**
Bromomethane (Methyl bromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Carbon disulfide	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**--**
Chloromethane (Methyl chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	**5**
1,1-Dichloroethene	ND	ND	1	13	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	13	3	1.8	1.7	7.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	**5**
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	0.24 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Total 1,2-Dichloroethene	770	87	1900	5500	2200	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
4-methyl-2-pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	**--**
Methyl tert butyl ether (MTBE)	ND	ND	ND	ND	ND	4.6	5.1	4.7	4	4.3	4.1	3.3	3.2	2.5	2.1	1.5	1.3	0.77 J	ND	ND	ND	ND	ND	**10**
Tetrachloroethene	88	8	77	83	ND	24	ND	ND	ND	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Trichloroethene	190	20	83	200	14	7.7	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Vinyl chloride	38 J	ND	17	420	390	2.6	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15 J	0.09 J	0.1 J	ND	0.11 J	**2**
o-Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Total Xylene	ND	ND	ND	6	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Total VOCs	1086.0	115.0	2078.0	6277.0	2608.0	52.1	9.3	7.0	5.7	19.0	4.1	3.3	15.2	14.5	13.1	1.5	1.3	0.8	9.1	2.3	2.2	8.3	6.0	
Total Chlorinated VOCs	1086.0	115.0	2077.0	6203.0	2604.0	47.5	4.2	2.0	1.7	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	1.0	0.1	

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Results are from the 1993 RI/FS report prepared by URS.
3. Pre-injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
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6. Class "GA" Groundwater Quality Standards for NYSDEC Divisions of Water TOGS 1.1.1
7. Monitoring Wells MW-4S & MW-9S added to monitoring program as per NYSDEC Letter Dated June 9, 2010.

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R = Data rejected.

Excedeeds GWQS

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 3
SUMMARY OF GROUNDWATER MONITORING RESULTS

SENECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK

Parameter [1]	Sample Locations and Date																							GWQS[6]
	MW-7S																							
	1/1/93[2]	4/1/93[2]	3/16/00[3]	6/23/00[4]	10/20/00[5]	11/21/08	02/27/09	05/20/09	09/23/09	12/14/10	05/27/10	10/18/10	05/11/11	10/21/11	06/11/12	06/24/13	05/29/14	08/24/15	08/29/16	08/21/17	08/29/18	08/12/19	08/26/20	
TCL Volatile Organic Compounds (VOCs) - ug/L																								
Acetone	R	ND	ND	ND	ND	ND	ND	34	41	35	ND	ND	ND	45	ND	ND	ND	ND	7.8	1.7 J	ND	5.1 J	3.4 J	**50**
Benzene	6 J	R	7	11	ND	4.7	27	14	8.2	6.5	8.8	ND	8.5	8	1.2	ND	ND	ND	ND	ND	ND	ND	ND	**1**
Bromomethane (Methyl bromide)	ND	ND	ND	ND	ND	0.2 BJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.91 J	ND	ND	**5**
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**50**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**7**
Chloromethane (Methyl chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	**5**
Cyclohexane	ND	ND	ND	ND	ND	8.8	21	12	11	12	15	10	10	11	7.3	4.3	6.2	2.6 J	3.4 J	4.7 J	2.5 J	12	8.9 J	**--**
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**50**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	4.1	3.5	3	7.5	2.7	2.2	2.8	4.4	1.1	1.3	ND	4	3.5	ND	3.5	2.8	1.1 J	ND	**5**
Total 1,2-Dichloroethene	ND	3 J	6	36	6	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Ethylbenzene	ND	6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Isopropylbenzene (Cumene)	ND	ND	ND	ND	ND	ND	ND	1.4	1.7	1.3	1.6	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Methylcyclohexane	ND	ND	ND	ND	ND	1.4	6.9	4.4	5	5.1	5.1	2.7	4.8	3.8	1.5	1.4	ND	0.46 J	ND	0.59 J	ND	0.49 J	1 J	**--**
Methylene chloride	R	R	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
4-methyl-2-pentanone (MIBK)	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**--**
Methyl tert butyl ether (MTBE)	ND	ND	ND	ND	ND	4.5	3.7	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10**
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Tetrachloroethene	ND	ND	ND	5	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Toluene	ND	ND	ND	2	ND	0.69 J	5.7	5.7	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Trichloroethene	ND	ND	ND	4	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Vinyl chloride	ND	ND	1	3	ND	1.3	1.1	ND	2.1	1.1	1	1.8	1.4	1.1	ND	ND	1.8	1.7	0.36 J	2.5	1.8	0.83 J	0.95 J	**2**
o-Xylenes	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
m+p Xylene	ND	ND	ND	ND	ND	0.3 J	3.3	8.3	5.8	3.8	3.1	ND	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Total Xylene	ND	2 J	ND	ND	ND	0.3 J	3.3	8.3	5.8	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Total VOCs	26.0	11.0	14.0	61.0	14.0	26.0	72.2	86.3	82.3	67.5	36.8	17.3	41.1	70.0	11.3	5.7	12.0	8.3	11.6	13.0	8.0	20.5	14.3	
Total Chlorinated VOCs	0.0	3.0	7.0	48.0	14.0	5.4	4.6	3.0	9.6	3.8	3.2	4.6	5.8	2.2	1.3	0.0	5.8	5.2	0.4	6.0	4.6	1.9	1.0	

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Results are from the 1993 RI/FS report prepared by URS.
3. Pre-injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
4. Between injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
5. Post-injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
6. Class "GA" Groundwater Quality Standards for NYSDEC Divisions of Water TOGS 1.1.1
7. Monitoring Wells MW-4S & MW-9S added to monitoring program as per NYSDEC Letter Dated June 9, 2010.

Definitions:
ND = Parameter not detected above laboratory detection limit.
NA = Sample not analyzed for parameter.
"--" = No GWQS available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
R = Data rejected.

Excedeeds GWQS

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 4
SUMMARY OF GROUNDWATER MONITORING RESULTS

SENECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK

Parameter [1]	MW-10S																				GWQS[6]
	1/1/93[2]	4/1/93[2]	11/21/08	11/21/08 Blind Duplicate	02/27/09	05/20/09	09/23/09	12/14/09	05/27/10	10/18/10	05/11/11	10/21/11	06/11/12	06/24/13	05/29/14	08/24/15	08/29/16	08/21/17	08/29/18	08/12/19	08/26/20	
TCL Volatile Organic Compounds (VOCs) - ug/L																						
Acetone	20	R	ND	ND	ND	ND	ND	ND	ND	ND	13 J	15 J	7.7	ND	ND	ND	ND	ND	250 E	9.4	4.6 J	**50**
Benzene	ND	R	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**
Bromomethane (Methyl bromide)	ND	ND	0.33 BJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19 J	ND	0.73 J	ND	ND	**5**
2-Butanone (MEK)	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**50**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	0.82 J	ND	ND	ND	**7**
Chloromethane (Methyl chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**--**
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.48 J	ND	ND	ND	ND	**50**
cis-1,2-Dichloroethene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Total 1,2-Dichloroethene	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Isopropylbenzene (Cumene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Methylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**--**
Methylene chloride	ND	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
4-methyl-2-pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**--**
Methyl tert butyl ether (MTBE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10**
Styrene	ND	0.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
1,1,2,2-Tetrachloroethane	ND	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Tetrachloroethene	6 J	R	3.2	3.2	4	2.5	2.5	3.7	3.7	3.6	4.3	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Toluene	ND	0.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2**
o-Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
m+p Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Total Xylene	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Total VOCs	26.0	20.4	3.5	3.2	4.0	2.5	2.5	3.7	3.7	3.6	17.3	15.0	10.0	0.0	0.0	0.0	1.7	0.8	250.7	9.4	4.6	
Total Chlorinated VOCs	6.0	4.0	3.2	3.2	4.0	2.5	2.5	3.7	3.7	3.6	4.3	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Results are from the 1993 RI/FS report prepared by URS.
3. Pre-injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
4. Between injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
5. Post-injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
6. Class "GA" Groundwater Quality Standards for NYSDEC Divisions of Water TOGS 1.1.1
7. Monitoring Wells MW-4S & MW-9S added to monitoring program as per NYSDEC Letter Dated June 9, 2010.

Definitions:
ND = Parameter not detected above laboratory detection limit.
NA = Sample not analyzed for parameter.
"--" = No GWQS available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
R = Data rejected.

Excedeeds GWQS

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 5
SUMMARY OF GROUNDWATER MONITORING RESULTS

SENECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK

Parameter [1]	Sample Location and Date																	GWQS[6]
	MW-21S																	
	11/21/08	02/27/09	09/23/09	12/14/09	05/27/10	10/18/10	05/11/11	10/21/11	06/11/12	06/24/13	05/29/14	08/24/15	08/29/16	08/21/17	08/29/18	08/12/19	08/26/20	
TCL Volatile Organic Compounds (VOCs) - ug/L																		
Acetone	1.8 J	ND	ND	ND	ND	ND	12	14	13	5.1	ND	ND	NS	3.8	6.9	6.8	2.5 J	**50**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	**7**
Chloromethane (Methyl chloride)	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	1.3 J	ND	**5**
cis-1,2-Dichloroethene	0.21 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	**5**
Methyl tert butyl ether (MTBE)	0.55 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	**10**
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	**5**
Vinyl chloride	0.23 J	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	**2**
Total VOCs	2.8	0.0	2.6	0.0	0.0	0.0	12.0	14.0	13.0	5.1	0.0	0.0	0.0	3.8	6.9	8.1	2.5	
Total Chlorinated VOCs	0.4	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Results are from the 1993 RI/FS report prepared by URS.
3. Pre-injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
4. Between injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
5. Post-injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
6. Class "GA" Groundwater Quality Standards for NYSDEC Divisions of Water TOGS 1.1.1
7. Monitoring Wells MW-4S & MW-9S added to monitoring program as per NYSDEC Letter Dated June 9, 2010.

Definitions:
ND = Parameter not detected above laboratory detection limit.
NA = Sample not analyzed for parameter.
NS = No sample collected due to vehicle parked over monitoring well.
"--" = No GWQS available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
R = Data rejected.

Excedeeds GWQS

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 6

SUMMARY OF GROUNDWATER ELEVATIONS

Annual Groundwater Monitoring Report - August 29, 2018
Seneca Market I, LLC Site
Watkins Glen, New York

Location	TOR Elevation (fmsl)	DTW (fbTOR)	Groundwater Elevation (fmsl)
MW-1SR	451.39	4.70	446.69
MW-3SR	451.89	4.49	447.40
MW-4S	450.68	3.55	447.13
MW-7S	450.85	3.85	447.00
MW-9S	453.57	6.10	447.47
MW-10S	452.01	5.09	446.92
MW-21S	453.09	4.38	448.71

Notes:
1. DTW = depth to water, measured in feet below top of riser
2. fmsl = feet above mean sea level
3. fbTOR = feet below top of riser
4. TOR = Top of Riser; elevations surveyed on 02-27-2009

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 7

SUMMARY OF GROUNDWATER ELEVATIONS

Annual Groundwater Monitoring Report - August 12, 2019
Seneca Market I, LLC Site
Watkins Glen, New York

Location	TOR Elevation (fmsl)	DTW (fbTOR)	Groundwater Elevation (fmsl)
MW-1SR	451.39	5.28	446.11
MW-3SR	451.89	5.30	446.59
MW-4S	450.68	4.30	446.38
MW-7S	450.85	4.58	446.27
MW-9S	453.57	7.30	446.27
MW-10S	452.01	5.80	446.21
MW-21S	453.09	4.69	448.40

Notes:
1. DTW = depth to water, measured in feet below top of riser
2. fmsl = feet above mean sea level
3. fbTOR = feet below top of riser
4. TOR = Top of Riser; elevations surveyed on 02-27-2009

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 8

SUMMARY OF GROUNDWATER ELEVATIONS

Annual Groundwater Monitoring Report - August 26, 2020
Seneca Market I, LLC Site
Watkins Glen, New York

Location	TOR Elevation (fmsl)	DTW (fbTOR)	Groundwater Elevation (fmsl)
MW-1SR	451.39	5.66	445.73
MW-3SR	451.89	5.87	446.02
MW-4S	450.68	4.77	445.91
MW-7S	450.85	5.00	445.85
MW-9S	453.57	7.71	445.86
MW-10S	452.01	6.02	445.99
MW-21S	453.09	4.79	448.30

Notes:
1. DTW = depth to water, measured in feet below top of riser
2. fmsl = feet above mean sea level
3. fbTOR = feet below top of riser
4. TOR = Top of Riser; elevations surveyed on 02-27-2009

APPENDIX A

INSTITUTIONAL & ENGINEERING CONTROLS CERTIFICATION FORM

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **C849004**

Site Name **Seneca Market 1, LLC site**

Site Address: 16 Franklin Street Zip Code: 14819
City/Town: Watkins Glen
County: Schuyler
Site Acreage: 2.3

Reporting Period: August 29, 2018 to August 29, 2020

		YES	NO
1.	Is the information above correct?	X	☐
	If NO, include handwritten above or on a separate sheet.		
2.	Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3.	Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4.	Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
	If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5.	Is the site currently undergoing development?	☐	X

Box 2

		YES	NO
6.	Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	☐
7.	Are all ICs/ECs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒ X

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C849004

Description of Institutional Controls

Parcel	Owner	Institutional Control
65.09-2-56	Seneca Market 1, LLC	
		Ground Water Use Restriction Land Use Restriction Site Management Plan Soil Management Plan
65.09-2-58	Seneca Market 1, LLC	
		Ground Water Use Restriction Land Use Restriction Site Management Plan Soil Management Plan
65.09-2-59.1	Seneca Market 1, LLC	
		Ground Water Use Restriction Land Use Restriction Site Management Plan Soil Management Plan
65.09-2-61.2	Seneca Market 1, LLC	
		Ground Water Use Restriction Land Use Restriction Site Management Plan Soil Management Plan

Description of Engineering Controls

Parcel	Engineering Control
65.09-2-56	
	Cover System Vapor Mitigation
65.09-2-58	
	Cover System Vapor Mitigation
65.09-2-59.1	
	Cover System Vapor Mitigation
65.09-2-61.2	

Parcel

Engineering Control

Cover System
Vapor Mitigation

Engineering Control Details for Site No. C849004

Parcel: 65.09-2-56

The sub-slab depressurization system under the building structure at the site.
A composite cover system consisting of concrete building foundation, concrete sidewalks, a vapor barrier beneath the building one foot of topsoil cover in areas not covered with the building, concrete or asphalt, and asphalt parking surfaces.
Use of groundwater underlying the controlled property is prohibited without treatment.
Controlled property may be used for commercial and industrial use.

Parcel: 65.09-2-58

The sub-slab depressurization system under the building structure at the site.
A composite cover system consisting of concrete building foundation, concrete sidewalks, a vapor barrier beneath the building one foot of topsoil cover in areas not covered with the building, concrete or asphalt, and asphalt parking surfaces.
Use of groundwater underlying the controlled property is prohibited without treatment.
Controlled property may be used for commercial and industrial use.

Parcel: 65.09-2-59.1

The sub-slab depressurization system under the building structure at the site.
A composite cover system consisting of concrete building foundation, concrete sidewalks, a vapor barrier beneath the building one foot of topsoil cover in areas not covered with the building, concrete or asphalt, and asphalt parking surfaces.
Use of groundwater underlying the controlled property is prohibited without treatment.
Controlled property may be used for commercial and industrial use.

Parcel: 65.09-2-61.2

The sub-slab depressurization system under the building structure at the site.
A composite cover system consisting of concrete building foundation, concrete sidewalks, a vapor barrier beneath the building one foot of topsoil cover in areas not covered with the building, concrete or asphalt, and asphalt parking surfaces.
Use of groundwater underlying the controlled property is prohibited without treatment.
Controlled property may be used for commercial and industrial use.

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted

YES	NO
X	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C849004

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Tim Costello (print name) at 617 Dingens St Buffalo, NY. 14206 (print business address)

am certifying as Seneca Market I (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

9/25/20
Date

IC/EC CERTIFICATIONS

Box 7

Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Thomas H. Forbes, P.E. at Benchmark Environmental Engineering 2558 Hamburg Tpk Buffalo, NY 14218,

print name print business address

am certifying as a for the _____

(Owner or Remedial Party)

Signature of, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

Date 9-23-20

APPENDIX B

SITE PHOTO LOGS

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Seneca Markets I, LLC	Watkins Glenn, New York	0211-001-600

Photo No.	Date
1	08/29/18

Direction Photo Taken:
East

Description:
Vegetative and hard cover within hotel area.

Photo No.	Date
2	08/29/18

Direction Photo Taken:
South

Description:
Asphalt cover within hotel area

Prepared By: RLD

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Seneca Markets I, LLC	Watkins Glenn, New York	0211-001-600

Photo No.	Date
3	08/29/18

Direction Photo Taken:
West

Description:
Asphalt cover within hotel area

Photo No.	Date
4	08/29/18

Direction Photo Taken:
Southeast

Description:
Vegetative and hard cover within hotel area.

Prepared By: RLD

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Seneca Markets I, LLC	Watkins Glenn, New York	0211-001-600

Photo No.	Date
5	08/29/18

Direction Photo Taken:
East

Description:
ASD fans

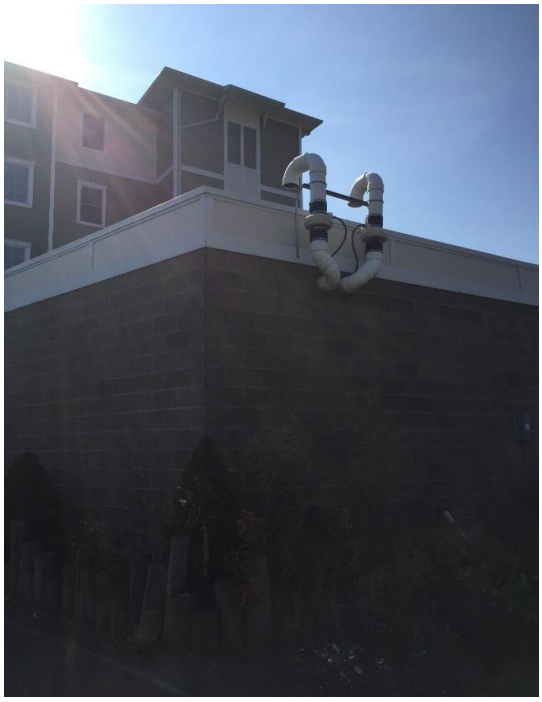
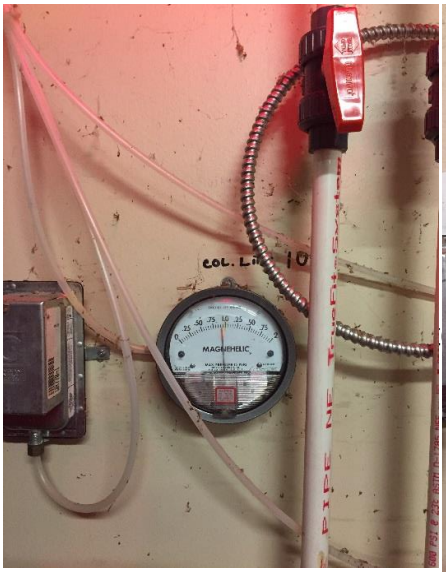
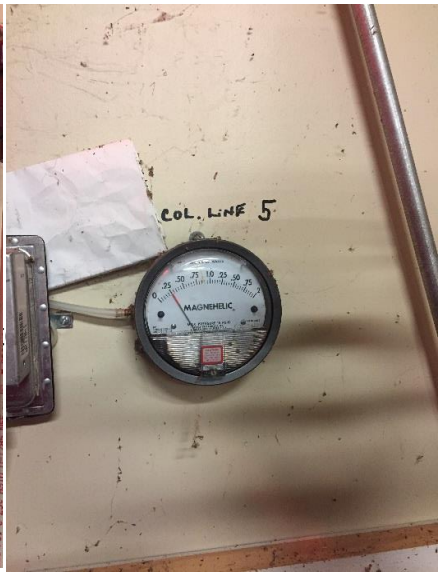


Photo No.	Date
6	08/29/18

Direction Photo Taken:
West

Description:
ASD Gauges





Prepared By: RLD

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Seneca Markets I, LLC	Watkins Glenn, New York	0211-001-600

Photo No.	Date
1	08/12/19

Direction Photo Taken:
East

Description:
Vegetative and hard cover within hotel area.

Photo No.	Date
2	08/12/19

Direction Photo Taken:
South

Description:
Asphalt cover within hotel area

Prepared By: RLD

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Seneca Markets I, LLC	Watkins Glenn, New York	0211-001-600

Photo No.	Date
3	08/12/19

Direction Photo Taken:
South

Description:
Asphalt cover within hotel area

Photo No.	Date
4	08/12/19

Direction Photo Taken:
East

Description:
Vegetative and hard cover within hotel area.

Prepared By: RLD

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Seneca Markets I, LLC	Watkins Glenn, New York	0211-001-600

Photo No.	Date
5	08/12/19

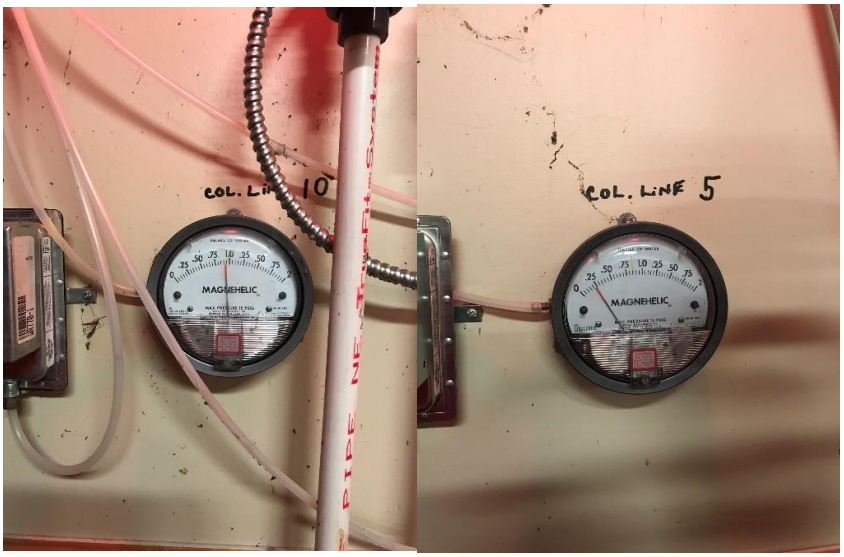
Direction Photo Taken:
East

Description:
ASD fans

Photo No.	Date
6	08/12/19

Direction Photo Taken:
West

Description:
ASD Gauges



Prepared By: RLD

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Seneca Markets I, LLC	Watkins Glenn, New York	0211-001-600

Photo No.	Date
1	08/26/20

Direction Photo Taken:
East

Description:
Vegetative and hard cover within hotel area.

Photo No.	Date
2	08/26/20

Direction Photo Taken:
South

Description:
Asphalt cover within hotel area

Prepared By: RLD

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Seneca Markets I, LLC	Watkins Glenn, New York	0211-001-600

Photo No.	Date
3	08/26/20

Direction Photo Taken:
South

Description:
Asphalt cover within hotel area

Photo No.	Date
4	08/26/20

Direction Photo Taken:
Northeast

Description:
Vegetative and hard cover within hotel area.

Prepared By: *RLD*

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Seneca Markets I, LLC	Watkins Glenn, New York	0211-001-600

Photo No.	Date
5	08/26/20

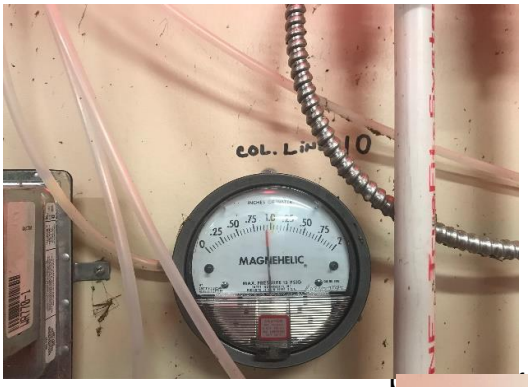
Direction Photo Taken:
East

Description:
ASD fans

Photo No.	Date
6	08/26/20

Direction Photo Taken:
West

Description:
ASD Gauges



Prepared By: RLD

APPENDIX C

ASD PERIODIC VISUAL INSPECTION LOGS

ASD Gauge readings July 2017 to July 2018

D.E.C.

Brown water Monitoring

	MONTH	LINE 5	LINE 10	TIME	WHO
	July 17	99	32		
SAT	1	99	32	5AM	MM
SUN	2	99	32	5AM	MM
MON	3	99	32	5AM	MM
TUE	4	99	32	5AM	MM
WE	5	99	32	5AM	MM
THU	6	99	32	5AM	MM
FRI	7	99	32	5AM	DW
SAT	8	99	32	5AM	MM
SUN	9	99	32	7AM	DW
MON	10	99	32	5A	MM
TUE	11	99	32	5A	MM
WE	12	99	32	5A	MM
THU	13	99	32	5A	MM
FRI	14	99	32	5A	DHE
SAT	15	99	32	5A	DHE
SUN	16	99	32	5A	MM
MON	17	99	32	5A	MM
TUE	18	99	32	5A	MM
WE	19	99	32	5A	MM
THU	20	99	32	5A	MM
FRI	21	99	32	5A	DHE
SAT	22	99	32	5A	DHE
SUN	23	99	32	5A	DW
MON	24	99	32	5A	DW
TUE	25	99	32	5A	MM
WE	26	99	32	5A	MM
THU	27	99	32	5A	MM
FRI	28	99	32	5A	MM
SAT	29	99	32	5A	MM
SUN	30	99	32	5A	MM
MON	31	99	32	5A	MM

D.E.C.

99 Brown water Monitoring 32

	MONTH	LINE 5	LINE 10	TIME	WHO
	Aug 17				
TUE	1	99	32	5A	MM
WE	2	99	32	5A	MM
THU	3	99	32	5A	MM
FRI	4	99	32	5A	DHF
SAT	5	99	32	5A	DHF
SUN	6	99	32	5A	MM
MON	7	99	32	5A	MM
TUE	8	99	32	5A	MM
WE	9	99	32	5A	MM
THUR	10	99	32	5A	DHF
FRI	11	99	32	5A	MM
SAT	12	99	32	5A	DHF
SUN	13	99	32	5A	MM
MON	14	99	32	5A	MM
TU	15	99	32	5A	DW
WE	16	99	32	5A	MM
TH	17	99	32	5A	MM
FRI	18	99	32	5A	DHF
SAT	19	99	32	5A	DHF
SUN	20	99	32	5A	MM
MON	21	99	32	5A	MM
TUE	22	99	32	5A	MM
WE	23	99	32	5A	MM
THU	24	99	32	5A	MM
FRI	25	99	32	5A	DHF
SAT	26	99	32	5A	DHF
SUN	27	99	32	5A	MM
MON	28	99	32	5A	MM
TUE	29	99	32	5A	MM
WE	30	99	32	5A	MM
TH	31	99	32	5A	MM

D.E.C.

Brown water Monitoring

	MONTH	LINE 5	LINE 10	TIME	WHO
	Sept 17				
FRI	1	99	32	5A	DHE
SAT	2	99	32	5A	DHE
SUN	3	99	32	5A	MM
MON	4	99	32	5A	MM
TUE	5	99	32	5A	MM
WE	6	99	32	5A	MM
TH	7	99	32	5A	MM
FRI	8	99	32	5A	DHE
SAT	9	99	32	5A	DHE
SUN	10	99	32	5A	MM
MON	11	99	32	5A	MM
TUE	12	99	32	5A	MM
WE	13	99	32	5A	MM
THU	14	99	32	5A	MM
FRI	15	99	32	5A	MM
SAT	16	99	32	5A	DHE
SUN	17	99	32	5A	MM
MON	18	99	32	5A	MM
TUE	19	99	32	5A	MM
WE	20	99	32	5A	MM
TH	21	99	32	5A	M
FRI	22	99	32	5A	DHE
SAT	23	99	32	5A	DHE
SUN	24	99	32	5A	MM
MON	25	99	32	5A	MM
TUE	26	99	32	5A	MM
WED	27	99	32	5A	MM
THU	28	99	32	5A	MM
FRI	29	99	32	5A	DHE
SAT	30	99	32	5A	DHE
	31				

D.E.C.

Brown water Monitoring

Oct 17 [redacted]

	MONTH	LINE 5	LINE 10	TIME	WHO
SUN	[redacted]	99	32	5A	MM
MON	1	99	32		
↓	2	↓		5A	MM
TUE	3	99	32	5A	MM
WE	4	99	32	5A	MM
TH	5	99	32	5A	MM
FRI	6	99	32	5A	DHF
SAT	7	99	32	5A	DHF
SUN	8	99	32	6A	MM
MON	9	99	32	6A	MM
TU	10	99	32	6A	MM
WE	11	99	32	6A	MM
THU	12	99	32	6A	MM
FR	13	99	32	6A	MM
SAT	14	99	32	6A	DHF
SUN	15	99	32	6A	MM
MON	16	99	32	6A	MM
TU	17	99	32	6A	MM
WE	18	99	32	6A	MM
THU	19	99	32	6A	MM
FRI	20	99	32	6A	DHF
SAT	21	99	32	6A	DHF
SUN	22	99	32	6A	DHF
M	23	99	32	6A	DHF
TU	24	99	32	6A	MM
WE	25	99	32	6A	MM
TU	26	99	32	6A	MM
FRI	27	99	32	6A	MM
SAT	28	99	32	6A	DHF
SUN	29	99	32	6A	MM
MON	30	99	32	6A	MM
TU	31	99	32	6A	MM

D.E.C.

Brown water Monitoring NOV 17

	MONTH	LINE 5	LINE 10	TIME	WHO
	WE	99	32	6 A	MM
TH	1	99	32	6A	MM
FRI	NOV 2	99	32	6A	DHF
SAT	3	99	32	6A	DHF
SUN	4	99	32	6A	DW
M	5	99	32	6A	DW
TU	6	99	32	6A	MM
WE	7	99	32	6A	MM
TH	8	99	32	6A	MM
FRI	9	99	32	6A	DHF
SAT	10	99	32	6A	DHF
SUN	11	99	32	6A	MM
MON	12	99	32	6A	MM
TU	13	99	32	6A	MM
WE	14	99	32	6A	MM
TH	15	99	32	6A	MM
FRI	16	99	32	6A	DHF
SAT	17	99	32	6A	MM
SUN	18	99	32	6A	MM
MON	19	99	32	6A	MM
TU	20	99	32	6A	MM
WE	21	99	32	6A	MM
TH	22	99	32	6A	MM
FR	23	99	32	6A	MM
SAT	24	99	32	6A	DHF
SUN	25	99	32	6A	MM
MON	26	99	32	6A	DW
TU	27	99	32	6A	DW
WE	28	99	32	6A	MM
TH	29	99	32	6A	DW
FRI	30	99	32	6A	MM
	31				

D.E.C.

Brown water Monitoring

	MONTH	LINE 5	LINE 10	TIME	WHO
FRI	DEC 07	99	32	6A	DHK
SAT	1	99	32	6A	DHK
SUN	2				
	3	99	32	6A	MM
MON	4	99	32	6A	MM
TU	5	99	32	6A	MM
WE	6	99	32	6A	MM
TH	7	99	32	6A	MM
FRI	8	99	32	6A	DHK
SAT	9	99	32	6A	DHK
SUN	10	99	32	6A	MM
MON	11	99	32	6A	MM
TU	12	99	32	6A	MM
WE	13	99	32	6A	MM
THU	14	99	32	6A	MM
FRI	15	99	32	6A	DHK
SAT	16	99	32	6A	DHK
SUN	17	99	32	6A	MM
MON	18	99	32	6A	MM
TUE	19	99	32	6A	MM
WE	20	99	32	6A	MM
THU	21	99	32	6A	MM
FRI	22	99	32	6A	DHK
SAT	23	99	32	6A	DHK
SUN	24	99	32	6A	MM
MON	25	99	32	6A	MM
TUE	26	99	32	6A	MM
WE	27	99	32	6A	MM
THU	28	99	32	6A	MM
FRI	29	99	32	6A	MM
SAT	30	99	32	6A	DHK
SUN	31	99	32	6A	MM

D.E.C.

Brown water Monitoring

JAN 18

	MONTH	LINE 5	LINE 10	TIME	WHO
MON	1				
TU	1 JAN	99	32	6A	MM
W	2	99	32	6A	DW
TH	3	99	32	6A	DW
FRI	4	99	32	6A	MM
SAT	5	99	32	6A	DHF
SUN	6	99	32	6A	DHF
MON	7	99	32	6A	MM
TUE	8	99	32	6A	MM
WE	9	99	32	6A	MM
THU	10	99	32	6A	MM
FRI	11	99	32	6A	MM
SAT	12	99	32	6A	DHF
SUN	13	99	32	6A	DHF
MON	14	99	32	6A	MM
TU	15	99	32	6A	MM
WE	16	99	32	6A	MM
THU	17	99	32	6A	MM
FRI	18	99	32	6A	MM
S	19	99	32	6A	DHF
SU	20	99	32	6A	DHF
M	21	99	32	6A	DW
TU	22	99	32	6A	MM
W	23	99	32	6A	MM
TH	24	99	32	6A	MM
FR	25	99	32	6A	MM
SA	26	99	32	6A	MM
SUN	27	99	32	6A	DW
MON	28				
TUE	29	99	32	6A	MM
WE	30	99	32	6A	MM
	31	99	32	6A	MM

D.E.C.

Brown water Monitoring

2018

	MONTH	LINE 5	LINE 10	TIME	WHO
	FEB 1				
TH	1	99	32	6A	MM
FRI	2	99	32	6A	DHK
SAT	3	99	32	6A	DHK
SUN	4	99	32	6A	MM
MON	5	99	32	6A	MM
TUE	6	99	32	6A	MM
WE	7	99	32	6A	DW
THU	8	99	32	6A	MM
FRI	9	99	32	6A	DHK
SAT	10	99	32	6A	DHK
SUN	11	99	32	6A	MM
MON	12	99	32	6A	MM
TU	13	99	32	6A	CC
WE	14	99	32	6A	MM
THU	15	99	32	6A	MM
FRI	16	99	32	6A	DW
SAT	17	99	32	6A	DHK
SUN	18	99	32	6A	MM
MON	19	99	32	6A	MM
TU	20	99	32	6A	MM
WE	21	99	32	6A	MM
TH	22	99	32	6A	MM
FRI	23	99	32	6A	DHK
SAT	24	99	32	6A	DHK
SUN	25	99	32	6A	CC
M	26	99	32	6A	CW
TUE	27	99	32	6A	MM
WE	28	99	32	6A	MM
	29				
	30				
	31				

D.E.C.

Brown water Monitoring

2018

MONTH		LINE 5 99	LINE 10 32	TIME	WHO
MARCH					
THUR	1	99	32	6A	DW
FRI	2	99	32	6A	DHF
SAT	3	99	32	6A	DHF
SUN	4	99	32	6A	MM
MON	5	99	32	6A	MM
TUE	6	99	32	6A	MM
WE	7	99	32	6A	MM
TH	8	99	32	6A	DW
FRI	9	99	32	6A	DHF
FRI	10	99	32	6A	DHF
SUN	11	99	32	6A	MM
MON	12	99	32	6A	C.C.
TUE	13	99	32	6A	MM
WE	14	99	32	6A	MM
TH	15	99	32	6A	MM
FRI	16	99	32	6A	DHF
SAT	17	99	32	6A	DHF
SUN	18	99	32	6A	MM
MON	19	99	32	6A	MM
TU	20	99	32	6A	DW
WE	21	99	32	6A	MM
TH	22	99	32	6A	MM
FRI	23	99	32	6A	DHF
SAT	24	99	32	6A	DHF
SUN	25	99	32	6A	MM
MON	26	99	32	6A	MM
TU	27	99	32	6A	DW
WE	28	99	32	6A	MM
TH	29	99	32	6A	MM
FRI	30	99	32	6A	DHF
SAT	31	99	32	6A	DHF

D.E.C.

Brown water Monitoring

2018

MONTH		LINE 5 99	LINE 10 32	TIME	WHO
April					
Sun	1	99	32	6A	MM
Mon	2	99	32	CA	DW
TU	3	99	32	CA	DW
WE	4	99	32	CA	MM
TH	5	99	32	CA	MM
FRI	6	99	32	CA	DW
SAT	7	99	32	CA	DW
SUN	8	99	32	CA	MM
M	9	99	32	CA	DW
TU	10	99	32	CA	DW
W	11	99	32	CA	DW
TH	12	99	32	CA	DW
FRI	13	99	32	CA	DW
SAT	14	99	32	CA	DW
SUN	15	99	32	CA	MM
MON	16	99	32	CA	MM
TU	17	99	32	CA	DW
W	18	99	32	CA	DW
TH	19	99	32	CA	DW
FRI	20	99	32	CA	DW
SAT	21	99	32	CA	DW
SUN	22	99	32	CA	MM
M	23	99	32	CA	DW
TU	24	99	32	CA	DW
W	25	99	32	CA	DW
TH	26	99	32	CA	DW
FRI	27	99	32	CA	DW
SAT	28	99	32	CA	DW
Sun	29	99	32	CA	DW
M	30	99	32	CA	DW
	31				

D.E.C.

Brown water Monitoring

2018

	MONTH	LINE 5 99	LINE 10 32	TIME	WHO
	MAY				
	1	99	32	GA	MM
	2	99	32	GA	DW
	TH 3	99	32	GA	DW
	4	99	32	GA	DW
	5	99	32	GA	DW
	6	99	32	GA	MM
	M 7	99	32	GA	DW
	TU 8	99	32	GA	DW
	W 9	99	32	GA	DW
	T 10	99	32	GA	MM
	F 11	99	32	GA	DW
	12	99	32	GA	DW
	SAT 13	99	32	GA	MM
	M 14	99	32	GA	DW
	TU 15		32	GA	DW
	W 16	99	32	GA	DW
	TH 17	99	32	GA	DW
	18	99	32	GA	DW
	19	99	32	GA	DW
	S 20	99	32	GA	DW
	M 21	99	32	GA	DW
	TU 22	99	32	GA	DW
	W 23	99	32	GA	DW
	TH 24	99	32	GA	DW
	FRI 25	99	32	GA	DW
	SAT 26	99	32	GA	DW
	SUN 27	99	32	GA	MM
	M 28	99	32	GA	DW
	TU 29	99	32	GA	DW
	W 30	99	32	GA	DW
	TH 31	99	32	GA	DW

D.E.C.

Brown water Monitoring

2018

MONTH	LINE 5	LINE 10	TIME	WHO
JUNE	99	32		
FR 1	99	32	6A	DAF
2	99	32	6A	DHF
3	99	32	6A	MM
M 4	99	32	6A	DW
T 5	99	32	6A	MM
W 6	99	32	6A	DW
TH 7	99	32	6A	DW
8	99	32	6A	DAF
9	99	32	6A	DHF
SUN 10	99	32	6A	MM
M 11	99	32	6A	DW
TU 12	99	32	6A	DW
WE 13	99	32	6A	MM
TH 14	99	32	6A	DW
FRI 15	99	32	6A	DHF
SAT 16	99	32	6A	DHF
SUN 17	99	32	6A	MM
M 18	99	32	6A	DW
TU 19	99	32	6A	DW
W 20	99	32	6A	DW
TH 21	99	32	6A	DW
FRI 22	99	32	6A	DAF
SAT 23	99	32	6A	DHF
SUN 24	99	32	6A	MM
M 25	99	32	6A	DW
TU 26	99	32	6A	DW
W 27	99	32	6A	DW
TH 28	99	32	6A	DW
F 29	99	32	6A	DW
SAT 30	99	25	10:10	A.M
SUN 31	99	25	6A	MM

D.E.C.

Brown water Monitoring

July

2018

	MONTH	LINE 5	LINE 10	TIME	WHO
Sun	1	25	93	6AM	Dw
MON	2	25	93	6AM	mm
TU	3	25	93	6A	Dw
W	4	25	93	6A	Dw
Th	5	25	93	6A	Dw
F	6	25	93	6A	Dw
SAT	7	25	.95	5AM	A.M
SUN	8	25	.95	6AM	MM
M	9	25	95	6 4m	Dw
TU	10	25	.96	6AM	Dw
WE	11	25	.96	6AM	mm
TU	12	25	96	6A	Dw
FR	13	25	96	6A	Dw
SAT	14	25	.95	6AM	A.M
SUN	15	25	.95	6A	mm.
M	16	25	95	6A	Dw
TU	17	25	95	6A	Dw
W	18	25	95	6A	Dw
TH	19	25	95	6A	Dw
F	20	25	95	6A	Dw
SAT	21	.25	.95	6A	A.M
S	22	25	95	6A	Dw
M	23	25	95	6A	Dw
TU	24	25	95	6A	Dw
W	25	25	95	6A	Dw
TH	26	25	95	6A	Dw
FR	27	25	95	6A	Dw
SAT	28	.25	.95	6AM	A.M
SUN	29	.25	.95	6AM	mm
M	30	25	95	6A	Dw
TU	31	.25	.95	6A	Dw

D.E.C.

Brown water Monitoring

July

2018-2019

	MONTH	LINE 5	LINE 10	TIME	WHO
Sun	1	25	93	6AM	DW
MON	2	25	93	6AM	MM
TU	3	25	93	6A	DW
W	4	25	93	6A	DW
TH	5	25	93	6A	DW
F	6	25	93	6A	DW
SAT	7	25	95	5AM	A.M
SUN	8	25	.95	6:AM	MM
M	9	25	95	6 AM	DW
TU	10	25	.96	6 AM	DW
WE	11	25	.96	6 AM	MM
TU	12	25	96	6A	DW
FR	13	25	96	6A	DW
SAT	14	25	.95	6 AM	A.M
SUN	15	25	.95	6A	MM
M	16	25	95	6A	DW
TU	17	25	95	6A	DW
W	18	25	95	6A	DW
TH	19	25	95	6A	DW
F	20	25	95	6A	DW
SAT	21	.25	.95	6A	A.M
S	22	25	95	6A	DW
M	23	25	95	6A	DW
TU	24	25	95	6 A	DW
W	25	25	95	6A	DW
TH	26	25	95	6A	DW
FR	27	25	95	6A	DW
SAT	28	.25	.95	6AM	A.M
SUN	29	.25	.95	6AM	MM
M	30	25	95	6A	DW
TU	31	.25	.95	6A	DW

D.E.C.

Brown water Monitoring

	MONTH Aug	LINE 5 25	LINE 10 95	TIME	WHO
Wed	1	25	95		DW
TH	2	25	95		DW
F	3	25	95		DW
SAT	4	.25	.92		A.M
SAN	5	.25	.95		DW
Mon	6	.25	.95		DW
TU	7	.25	.95		DW
W	8	.25	.95		DW
TH	9	.25	.95		DW
FR	10	25	95		DW
SAT	11	.25	.95		A.M
SUN	12	.25	.95		mm
M	13	25	95		DW
TU	14	.25	.95		DW
W	15	.25	.95		DW
TH	16	.25	.95		DW
Fri	17	.25	.95		DW
SAT	18	.25	.95		AM
Sun	19	.25	.95		mm
M	20	.25	.95		DW
TU	21	.25	.95		DW
W	22	.25	.95		DW
TH	23	.25	.95		DW
Fri	24	.25	.95		DW
SAT	25	.25	.95		A.M
Sun	26	.25	.95		DW
M	27	.25	.95		DW
TU	28	.25	.95		DW
W	29	.25	95		DW
TH	30	.25	95		DW
FRI	31	.25	95		DW

D.E.C.

Brown water Monitoring

2018	MONTH	LINE 5 . 25	LINE 10 . 95	TIME	WHO
SEPT					
SAT	1	.25	.95	6AM	A.M
SUN	2	.25	.95	6 AM	A.M.
M	3	.25	.95	6A	DW
TU	4	.25	.95	6A	DW
WE	5	.25	.95	6A	MM
TH	6	.25	.95	6A	MM
FRIDAY	7	.25	.95	6A	A.M
SAT	8	.25	.95	6A	MM
SU	9	.25	.95	6A	DW
M	10	.25	.95	6A	DW
TU	11	.25	.95	6A	DW
WE	12	.25	.95	6A	MM
TH	13	.25	.95	6A	MM
FRIDAY	14	.25	.95	6AM	A.M
SATURDAY	15	.25	.95	6.AM	A.M
SUN	16	25	95	6A	DW
M	17	.25	.95	6A	DW
TU	18	.25	.95	6A	DW
WE	19	.25	.95	6A	MM
TH	20	.25	.95	6A	MM
FRIDAY	21	.25	.95	6A	A.M
SATURDAY	22	.35	1.0	6A	A.M
SU	23	.25	.95	6A	DW
M	24	.25	.94	6A	DW
TU	25	.25	.94	6A	DW
WEDNESDAY	26	.25	.95	6A	A.M
THU	27	.25	.95	6A	MM
FRIDAY	28	.25	.95	6A	A.M
SATURDAY	29	.25	.95	6A	A.M
SUN	30	25	95	6A	DW
	31				

D.E.C.

Brown water Monitoring

	MONTH		LINE 5	LINE 10	TIME	WHO
2018			25	95		
Oct	MON	1	.25	.95	6A	DW
	TU	2	.25	.95	6A	DW
	WEDNESDAY	3	.25	.95	6AM	A.M
	THURSDAY	4	.25	.95	6A.M	A.M
	FRIDAY	5	.25	.95	6A.M	A.M
	SATURDAY	6	.25	.95	6A.M	A.M
	SUNDAY	7	.25	.95	6A	DW
	M	8	.25	.95	6A	DW
	TU	9	.25	.95	6A	DW
	WEDNESDAY	10	.25	.95	6AM	A.M
	THURSDAY	11	.25	.95	6AM	A.M
	FRIDAY	12	.25	.95	6AM	A.M
	SATURDAY	13	.25	.95	6AM	A.M
	SUNDAY	14	.25	.95	6AM	MM
	M	15	.25	.95	6A	DW
	TUESDAY	16	.25	.95	6AM	A.M
	WEDNESDAY	17	.25	.95	6AM	A.M
	THUR	18	.25	.95	6AM	MM
	FRIDAY	19	.25	.95	6AM	A.M
	SATURDAY	20	.25	.95	6AM	A.M
	SUN	21	.25	.95	6A	DW
	M	22	.25	.95	6A	DW
	TU	23	.25	.95	6A	DW
	WED	24	.25	.95	6AM	MM
	THURSDAY	25	.25	.95	6AM	A.M
	FRIDAY	26	.25	.95	6AM	A.M
	SATURDAY	27	.25	.95	6AM	A.M
	SUN	28	.25	.95	6A	DW
	M	29	.25	.95	6A	DW
	TU	30	.25	.95	6A	DW
	WEDNESDAY	31	.25	.99	6AM	A.M

D.E.C.

Brown water Monitoring

November

MONTH		LINE 5	LINE 10	TIME	WHO
Thursday	1	.25	.95	6.AM	A.M
Friday	2	.25	.95	6-AM	A.M
Saturday	3	.25	.95	6.A.M	A.M
Sun	4	.25	.95	6 AM	DW
Mon	5	.25	95	6A	DW
TUES	6	.25	.95	6A	DW
W	7	.25	.95	6A	DW
Thursday	8	.25	.95	6A	A.M
Friday	9	.25	.95	6A	A.M
Saturday	10	.25	.95	6A	A.M
Sunday	11	.25	.95	6A	DW
Mon	12	.25	.95	6A	DW
TU	13	.25	95	6A	DW
W	14	.25	.95	6A	DW
Thursday	15	.25	.95	6A	A.M
Friday	16	.25	.95	6A	A.M
Saturday	17	.25	.95	6A	A.M
Sun	18	.25	.95	6A	DW
M	19	.25	.95	6A	DW
TU	20	.25	.95	6A	DW
wed	21	.25	.95	6A	JmC
Thursday	22	.25	.95	6A	A.M
Friday	23	.25	.95	6A	mm
Saturday	24	.25	.95	6A	A.M
Sun	25	.25	.95	5A	DW
Mon	26	.25	.95	5A	DW
TU	27	.25	.95	5A	DW
WE	28	.25	.95	6A	mm
THU	29	.25	.95	6A	mm
Fri	30	.25	.95	6A	mm
Saturday	31	.25	.95	6A	AM

D.E.C.

Brown water Monitoring

	MONTH		LINE 5	LINE 10	TIME	WHO
2016	DEC					
	SAT	1	.25	.95	6A	AM COW
	SUN	2	.25	.95	5A	DW
	MON	3	.25	.95	5A	DW
	TU	4	.25	.95	5A	DW
	WE	5	.25	.95	6A	MM
	TH	6	.25	.95	6.A	MM
	FRIDAY	7	.25	.95	6A	A.M
	SATURDAY	8	.25	.95	6.AM	A.M
	SUN	9	.25	.95	5A	DW
	MON	10	.25	.95	5A	DW
	TU	11	.25	.95	5A	DW
	WE	12	.25	.95	6A	MM
	TH	13	.25	.95	6A	MM
	FRIDAY	14	.25	.95	6AM	A.M
	SATURDAY	15	.25	.95	6AM	A.M
	SUN	16	.25	.95	5AM	DW
	MON	17	.25	.95	5AM	DW
	TUE	18	.25	.95	5AM	DW
	WE	19	.25	.95	6AM	MM
	THURSDAY	20	.25	.95	6.AM	A.M
	FRIDAY	21	.25	.95	6.AM	A.M
	SATURDAY	22	.25	.95	6.AM	A.M
	SUN	23	.25	.95	5AM	DW
	MON	24	.25	.95	5AM	DW
	TU	25	.25	.95	5AM	DW
	WE	26	.25	.95	6.AM	MM
	TH	27	.25	.95	6AM	MM
	FRIDAY	28	.25	.95	6.AM	A.M
	SATURDAY	29	.25	.95	6.AM	A.M
	SUN	30	.25	.95	5AM	DW
	MON	31	.25	.95	5A	DW

D.E.C.
Brown water Monitoring

	MONTH		LINE 5 .25	LINE 10 .95	TIME	WHO
2019	JAN					
	Tues	1	.25	.95	5AM	DW
	WE	2	.25	.95	6AM	MM
	TH	3	.25	.95	6Am	MM
	Friday	4	.25	.95	6.AM	A.M
	Saturday	5	.25	.95	6.AM	A.M
	Sunday	6	.25	.95	5AM	DW
	Monday	7	.25	.95	5AM	DW
	Tu	8	.25	.95	5AM	DW
	WE	9	.25	.95	6Am	MM
	TH	10	.25	.95	6Am	MM
	Friday	11	.25	.95	6AM	A.M
?	Sat	12	.25	.95	5AM	DW
	Sunday	13	.25	.95	5AM	DW
	Monday	14	.25	.95	5AM	DW
	TUES	15	.25	.95	5AM	DW
	WE	16	.25	.95	5AM	MM
	Thursday	17	.25	.95	6.AM	A.M
	Friday	18	.25	.95	6.AM	A.M
	Saturday	19	.25	.95	6.AM	A.M
	Sunday	20	.25	.95	6Am	JC
	monday	21	.25	.95	6Am	JC
	Tues	22	.25	.95	6A	DW
	WE	23	.25	.95	6Am	MM
	Thursday	24	.25	.95	6AM	A.M
	Friday	25	.25	.95	6.AM	A.M
	Saturday	26	.25	.95	6.AM	A.M
DW: Drained main pipe ←	Sun	27	.25	.95	5AM	DW
	Mon	28	.25	.95	5AM	DW
	Tu	29	.25	.95	5AM	DW
	WE	30	.25	.95	6AM	MM
	Thursday	31	.25	.95	6AM	A.M

D.E.C.

Brown water Monitoring

	MONTH		LINE 5	LINE 10	TIME	WHO
2019	Febuary					
	Friday	1	.25	.95	6 AM	A.M
	Saturday	2	.25	.95	6 AM	A.M
	Sun	3	.25	.95	5 AM	DW
	MO	4	.25	.95	5 AM	DW
	TU	5	.25	.95	5 AM	DW
	Wednesday	6	.25	.95	10:30 AM	A.M
	Thursday	7	.25	.95	6. AM	A.M
	Friday	8	.25	.95	6. A.M	A.M
	Sat	9	.25	.95	5 AM	DW
	Sun	10	.25	.95	6 Am	MM
	MON	11	.25	.95	6 AM	MM
	TU	12	.25	.95	5 AM	DW
	WE	13	.25	.95	6 Am	MM
	THU	14	.25	.95	6 Am	MM
	Fri	15	.25	.95	6 Am	JML
	Sat	16	.25	.95	5 AM	DW
	Sun	17	.25	.95	6 Am	MM
	MON	18	.25	.95	6 Am	MM
	TU	19	.23	.95	5 AM	DW
	WE	20	.25	.95	6 Am	MM
	TH	21	.25	.95	6 Am	MM
	Fri	22	.25	.95	6 Am	JML
	Sat	23	.25	.95	5 A	DW
	Sun	24	.25	.95	6 AM	MM
	mon	25	.25	.95	6 Am	MM
	TU	26	.25	.95	5 AM	DW
	WE	27	.25	.95	6 AM	MM
	THU	28	.25	.95	6 AM	MM
		29				
		30				
		31				

D.E.C.

Brown water Monitoring

MONTH		LINE 5	LINE 10	TIME	WHO
MARCH		99	32		
Friday	1	.25	.95	6am	JmC
SAT	2	.25	.95	5AM	DW
SUN	3	.25	.95	6AM	MM
MON	4	.25	.95	6AM	MM
TU	5	25	.95	5AM	DW
WE	6	.25	.95	6AM	MM
THU	7	.25	.95	6AM	MM
Fri	8	.25	.95	6AM	JmC
SAT	9	.25	.95	5A	DW
SUN	10	.25	.95	6A	MM
MON	11	.25	.95	6A	MM
TU	12	25	95	5A	DW
WE	13	.25	.95	6A	MM
THI	14	.25	.95	6A	MM
FRi	15	.25	.95	6A	MM
SAT	16	.25	.95	5A	DW
SUN	17	.25	.95	6A	MM
MON	18	.25	.95	6A	MM
TU	19	.25	.95	5A	DW
WE	20	.25	.95	6A	MM
THU	21	.25	.95	6A	MM
FRi	22	.25	.95	6A	MM
SAT	23	.25	.95	5A	DW
Sun	24	.25	.95	6A	JmC
Mon	25	.25	.95	6A	JmC
TU	26	.25	.95	5A	DW
WE	27	.25	.95	6A	MM
TH	28	.25	.95	6A	MM
FR	29	.25	.95	6A	MM
SAT	30	.25	.95	5A	DW
SUN	31	.25	.95	6A	MM

D.E.C.

April

Brown water Monitoring

	MONTH		LINE 5	LINE 10	TIME	WHO
	~~MARCH~~					
	MON	1	.25	.95	6A	MM
	TU	2	.25	.95	5A	DW
	WE	3	.25	.95	6A	MM
	TH	4	.25	.95	6A	MM
		5				
	SAT	6	.25	.95	5A	DW
	SUN	7	.25	.95	5A	MM
	MON	8	.25	.95	5A	MM
	TUE	9	.25	.95	5A	MM
	WE	10	.25	.95	5A	MM
	THU	11	.25	.95	5A	MM
	Fri	12	.25	.95	6A	JWC
	SAT	13	.25	.95	5A	DW
	SUN	14	.25	.95	5A	MM
	MON	15	.25	.95	5A	MM
	TU	16	.25	.95	5A	DW
	WE	17	.25	.95	5A	MM
	THU	18	.25	.95	5A	MM
	Fri	19	.25	.95	6A	JWC
	SAT	20	.25	.95	5A	DW
	SUN	21	.25	.95	5A	MM
	MON	22	.25	.95	5A	MM
	TUE	23	.25	.95	5A	MM
	WE	24	.25	.95	5A	MM
	TH	25	.25	.95	5A	MM
	Fri	26	.25	.95	6A	JWC
	SAT	27	.25	.95	5A	DW
	SUN	28	.25	.95	5A	MM
	MON	29	.25	.95	5A	MM
	TU	30	.25	.95	5A	DW
		31				

MAY

D.E.C.
Brown water Monitoring

MONTH		LINE 5 25	LINE 10 99	TIME	WHO
Wed	1	.25	.99	6A	JmC
THU	2	.25	.99	6A	MM
Fri	3	.25	.99	6A	JmC
SAT	4	.25	.99	5A	DW
SUN	5	.25	.99	5A	MM
MON	6	.25	.99	5A	MM
TU	7	.25	.99	5A	DW
WE	8	.25	.99	5A	MM
TH	9	.25	.99	5A	MM
Fri	10	.25	.99	6A	JmC
SAT	11	.25	.99	5A	DW
SUN	12	.25	.99	5A	MM
MON	13	.25	.99	5A	MM
TU	14	.25	.99	5A	DW
WE	15	.25	.99	5A	MM
THU	16	.25	.99	5A	MM
Fri	17	.25	.99	6A	JmC
SAT	18	.25	.99	5A	DW
SUN	19	.25	.99	5A	DHR
MON	20	.25	.99	6A	JmC
TU	21	.25	.99	5A	DW
WE	22	.25	.99	5A	MM
TH	23	.25	.99	5A	MM
Fri	24	.25	.99	6A	JmC
SAT	25	25	99	5A	DW
SUN	26	25	99	5A	MM
MO	27	25	99	5A	DW
TU	28	25	99	5A	DW
W	29	25	99	5A	DW
TH	30	.25	.99	5A	MM
Fri	31	.25	.99	6A	JmC

D.E.C.

Jan

Brown water Monitoring

MONTH		LINE 5	LINE 10	TIME	WHO
SAT	1	.99	.25	5A	mm
SUN	2	.99	.25	5A	mm
MON	3	.99	.25	5A	mm
TU	4	99	25	5A	DW
WED	5	.99	.25	5A	mm
THU	6	.99	.25	5A	mm
Fri	7	.25	.99	6A	JmC
SAT	8	.25	.99	5A	DW
SUN	9	.25	.99	5A	mm
MON	10	.25	.99	5A	mm
TU	11	25	99	5A	DW
WE	12	.25	.99	5A	mm
TH	13	.25	.99	6A	JmC
Fri	14	.25	.99	6A	JmC
SAT	15	.25	.99	5A	DW
SUN	16	.25	.99	5A	mm
MON	17	.25	.99	5A	mm
TU	18	.25	.99	5A	DW
WE	19	.25	.99	5A	mm
THU	20	.25	.99	5A	mm
Fri	21	.25	.99	6A	JmC
SAT	22	.25	.99	5A	DW
SUN	23	.25	.99	5A	mm
MON	24	.25	.99	5A	mm
TU	25	.25	.99	5A	DW
WE	26	.25	.99	5A	mm
THU	27	.25	.99	5A	mm
Fri	28	.25	.99	6A	JmC
Sat	29	.25	.99	6A	JmC
SUN	30	.25	.99	5A	mm
MON	31	.25	99	5A	MM

D.E.C.

Brown water Monitoring

	MONTH		LINE 5	LINE 10	TIME	WHO
	July		.25	.99		
	MON	1	~~.99~~	~~.25~~	5 A	MM
	Tue	2	.25	.99	6 A	Jme
	wed	3	.25	.99	6 A	Jme
	THU	4	.25	.99	5 A	MM
	Fri	5	.25	.99	6 A	Jme
	SAT	6	.25	.99	5 A	MM
	Sund	7	.25	.99	9:30	MM
	MON	8	.25	.99	5 00	MM
	Tue	9	.25	.99	6	Jme
	wed	10	.25	.99	6	Jme
	THU	11	.25	.99	5	MM
	Fri	12	.25	.99	6	Jme
	SAT	13	.25	.99	6	Jme
	SUN	14	.25	.99	5,	MM
	Mon	15	.25	.99	5	MM
	TU	16	.25	.99	5	MM
	WE	17	.25	.99	5A	MM
	TH	18	.25	.99	5A	MM
	Fri	19	.25	.99	6A	Jme
	SAT	20	.25	.99	5A	DW
	Sun	21	.25	.99	6A	Jme
	mon	22	.25	.99	5A	MM
	TU	23	.25	.99	5A	DW
	WE	24	.25	.99	5A	MM
	TH	25	.25	.99	5A	MM
	Fri	26	.25	.99	5A	DW
	SA	27	25	99	5A	DW
	Sun	28	25	99	5A	DW
	Mon	29	25	99	5 A	DW
	TH	30	25	99	5A	MM
	WE	31	.25	.99	5A	MM

D.E.C.

Brown water Monitoring

2019 -2020

	MONTH		LINE 5 .25	LINE 10 .95	TIME	WHO
2019	JAN					
	Tues	1	.25	.95	5AM	DW
	WE	2	.25	.95	6AM	MM
	TH	3	.25	.95	6AM	MM
	FRIDAY	4	.25	.95	6.AM	A.M
	Saturday	5	.25	.95	6.AM	A.M
	Sunday	6	.25	.95	5AM	DW
	Monday	7	.25	.95	5AM	DW
	Tue	8	.25	.95	5AM	DW
	WE	9	.25	.95	6AM	MM
	TH	10	.25	.95	6AM	AM
	FRIDAY	11	.25	.95	6AM	A.M
?	SATDAY	12	.25	.95	5AM	DW
	Sunday	13	.25	.95	5AM	DW
	Monday	14	.25	.95	5AM	DW
	TUES	15	.25	.95	5AM	DW
	WE	16	.25	.95	5AM	MM
	THURSDAY	17	.25	.95	6.AM	A.M
	FRIDAY	18	.25	.95	6.AM	A.M
	SATURDAY	19	.25	.95	6.AM	A.M
	Sunday	20	.25	.95	6AM	JC
	monday	21	.25	.95	6AM	JC
	Tues	22	.25	.95	6A	DW
	WE	23	.25	.95	6AM	MM
	THURSDAY	24	.25	.95	6AM	A.M
	FRIDAY	25	.25	.95	6.AM	A.M
	SATURDAY	26	.25	.95	6.AM	A.M
	Sunday	27	.25	.95	5AM	DW
	Mon	28	.25	.95	5AM	DW
	Tue	29	.25	.95	5AM	DW
	WE	30	.25	.95	6AM	MM
	THURSDAY	31	.25	.95	6AM	A.M

DW drained Main Pit

D.E.C.

Brown water Monitoring

	MONTH		LINE 5	LINE 10	TIME	WHO
2019	FEBUARY					
	FRIDAY	1	.25	.95	6 AM	A.M
	SATURDAY	2	.25	.95	6 AM	A.M
	SUN	3	.25	.95	5 AM	DW
	MO	4	.25	.95	5 AM	DW
	TU	5	.25	.95	5 AM	DW
	WEDNESDAY	6	.25	.95	10:30 AM	A.M
	THURSDAY	7	.25	.95	6. AM	A.M
	FRIDAY	8	.25	.95	6. A.M	A.M
	SAT	9	.25	.95	5 AM	DW
	SUN	10	.25	.95	6 AM	MM
	MON	11	.25	.95	6 AM	MM
	TU	12	.25	.95	5 AM	DW
	WE	13	.25	.95	6 AM	MM
	THU	14	.25	.95	6 AM	MM
	FRI	15	.25	.95	6 AM	JML
	SAT	16	.25	.95	5 AM	DW
	SUN	17	.25	.95	6 AM	MM
	MON	18	.25	.95	6 AM	MM
	TU	19	.23	.95	5 AM	DW
	WE	20	.25	.95	6 AM	MM
	TH	21	.25	.95	6 AM	MM
	FRI	22	.25	.95	6 AM	JML
	SAT	23	.25	.95	5 A	DW
	SUN	24	.25	.95	6 AM	MM
	MON	25	.25	.95	6 AM	MM
	TU	26	.25	.95	5 AM	DW
	WE	27	.25	.95	6 AM	MM
	THU	28	.25	.95	6 AM	MM
		29				
		30				
		31				

D.E.C.

Brown water Monitoring

	MONTH		LINE 5	LINE 10	TIME	WHO
	MARCH		99	32		
	Friday	1	.25	.95	6am	JmC
	SAT	2	.25	.95	5AM	DW
	SUN	3	.25	.95	6AM	MM
	MON	4	.25	.95	6AM	MM
	TU	5	25	.95	5AM	DW
	WE	6	.25	.95	6AM	MM
	THU	7	.25	.95	6AM	MM
	Fri	8	.25	.95	6AM	JmC
	SAT	9	.25	.95	5A	DW
	SUN	10	.25	.95	6A	MM
	MON	11	.25	.95	6A	MM
	TU	12	25	95	5A	DW
	WE	13	.25	.95	6A	MM
	TH	14	.25	.95	6A	MM
	FRi	15	.25	.95	6A	MM
	SAT	16	.25	.95	5A	DW
	SUN	17	.25	.95	6A	MM
	MON	18	.25	.95	6A	MM
	TU	19	.25	.95	5A	DW
	WE	20	.25	.95	6A	MM
	THU	21	.25	.95	6A	MM
	FRi	22	.25	.95	6A	MM
	SAT	23	.25	.95	5A	DW
	Sun	24	.25	.95	6A	JmC
	Mon	25	.25	.95	6A	JmC
	TU	26	.25	.95	5A	DW
	WE	27	.25	.95	6A	MM
	TH	28	.25	.95	6A	MM
	FR	29	.25	.95	6A	MM
	SAT	30	.25	.95	5A	DW
	SUN	31	.25	.95	6A	MM

D.E.C.

April

Brown water Monitoring

	MONTH		LINE 5	LINE 10	TIME	WHO
	~~MARCH~~					
	MON	1	.25	.95	6A	MM
	TU	2	.25	.95	5A	DW
	WE	3	.25	.95	6A	MM
	TH	4	.25	.95	6A	MM
		5				
	SAT	6	.25	.95	5A	DW
	SUN	7	.25	.95	5A	MM
	MON	8	.25	.95	5A	MM
	TUE	9	.25	.95	5A	MM
	WE	10	.25	.95	5A	MM
	THU	11	.25	.95	5A	MM
	Fri	12	.25	.95	6A	JWC
	SAT	13	.25	.95	5A	DW
	SUN	14	.25	.95	5A	MM
	MON	15	.25	.95	5A	MM
	TU	16	.25	.95	5A	DW
	WE	17	.25	.95	5A	MM
	THU	18	.25	.95	5A	MM
	Fri	19	.25	.95	6A	JWC
	SAT	20	.25	.95	5A	DW
	SUN	21	.25	.95	5A	MM
	MON	22	.25	.95	5A	MM
	TUE	23	.25	.95	5A	MM
	WE	24	.25	.95	5A	MM
	TH	25	.25	.95	5A	MM
	Fri	26	.25	.95	6A	JWC
	SAT	27	.25	.95	5A	DW
	SUN	28	.25	.95	5A	MM
	MON	29	.25	.95	5A	MM
	TU	30	.25	.95	5A	DW
		31				

MAY

D.E.C.
Brown water Monitoring

MONTH		LINE 5 .25	LINE 10 .99	TIME	WHO
WED	1	.25	.99	6A	JMC
THU	2	.25	.99	6A	MM
FRI	3	.25	.99	6A	JMC
SAT	4	.25	.99	5A	DW
SUN	5	.25	.99	5A	MM
MON	6	.25	.99	5A	MM
TU	7	.25	.99	5A	DW
WE	8	.25	.99	5A	MM
TH	9	.25	.99	5A	MM
FRI	10	.25	.99	6A	JMC
SAT	11	.25	.99	5A	DW
SUN	12	.25	.99	5A	MM
MON	13	.25	.99	5A	MM
TU	14	.25	.99	5A	DW
WE	15	.25	.99	5A	MM
THU	16	.25	.99	5A	MM
FRI	17	.25	.99	6A	JMC
SAT	18	.25	.99	5A	DW
SUN	19	.25	.99	5A	DHR
MON	20	.25	.99	6A	JMC
TU	21	.25	.99	5A	DW
WE	22	.25	.99	5A	MM
TH	23	.25	.99	5A	MM
FRI	24	.25	.99	6A	JMC
SAT	25	25	99	5A	DW
SUN	26	25	99	5A	MM
MO	27	25	99	5A	DW
TU	28	25	99	5A	DW
W	29	25	99	5A	DW
TH	30	.25	.99	5A	MM
FRI	31	.25	.99	6A	JMC

D.E.C.

Brown water Monitoring

Jan

	MONTH		LINE 5	LINE 10	TIME	WHO
	SAT	1	.99	.25	5A	MM
	SUN	2	.99	.25	5A	MM
	MON	3	.99	.25	5A	MM
	TU	4	99	25	5A	DW
	WEN	5	.99	.25	5A	MM
	THU	6	.99	.25	5A	MM
	Fri	7	.25	.99	6A	JmC
	SAT	8	.25	.99	5A	DW
	SUN	9	.25	.99	5A	MM
	MON	10	.25	.99	5A	MM
	TU	11	25	99	5A	DW
	WE	12	.25	.99	5A	MM
	TH	13	.25	.99	6A	JmC
	Fri	14	.25	.99	6A	JmC
	SAT	15	.25	.99	5A	DW
	SUN	16	.25	.99	5A	MM
	MON	17	.25	.99	5A	MM
	TU	18	.25	.99	5A	DW
	WE	19	.25	.99	5A	MM
	THU	20	.25	.99	5A	MM
	Fri	21	.25	.99	6A	JmC
	SAT	22	.25	.99	5A	DW
	SUN	23	.25	.99	5A	MM
	MON	24	.25	.99	5A	MM
	TU	25	.25	.99	5A	DW
	WE	26	.25	.99	5A	MM
	THU	27	.25	.99	5A	MM
	Fri	28	.25	.99	6A	JmC
	Sat	29	.25	.99	6A	JmC
	SUN	30	.25	.99	5A	MM
	MON	31	.25	99	5A	MM

D.E.C.

Brown water Monitoring

	MONTH		LINE 5	LINE 10	TIME	WHO
	July		.25	.99		
	MON	1	~~.99~~	~~.25~~	5A	MM
	Tue	2	.25	.99	6A	Jme
	wed	3	.25	.99	6A	Jme
	THU	4	.25	.99	5A	MM
	Fri	5	.25	.99	6A	Jme
	SAT	6	.25	.99	5A	MM
	Sun	7	.25	.99	9:30	MM
	MON	8	.25	.99	5 00	MM
	Tue	9	.25	.99	6	Jme
	wed	10	.25	.99	6	Jme
	THU	11	.25	.99	5	MM
	Fri	12	.25	.99	6	Jme
	SAT	13	.25	.99	6	Jme
	Sun	14	.25	.99	5,	MM
	Mon	15	.25	.99	5	MM
	TU	16	.25	.99	5	MM
	WE	17	.25	.99	5A	MM
	TH	18	.25	.99	5A	MM
	Fri	19	.25	.99	6A	Jme
	SAT	20	.25	.99	5A	DW
	Sun	21	.25	.99	6A	Jme
	MON	22	.25	.99	5A	MM
	TU	23	.25	.99	5A	DW
	WE	24	.25	.99	5A	MM
	TH	25	.25	.99	5A	MM
	Fri	26	.25	.99	5A	DW
	SA	27	25	99	5A	DW
	Sun	28	25	99	5A	DW
	Mon	29	25	99	5A	DW
	TU	30	25	99	5A	MM
	WE	31	.25	.99	5A	MM

D.E.C.

Brown water Monitoring

	MONTH		LINE 5	LINE 10	TIME	WHO
	Aug					
	THU	1	25	99	5A	mm
	FRI	2	25	99	5A	DW
	Sat	3	25	99	5A	DW
	Sun	4	.25	.99	5A	mm
	MON	5	.25	.99	.5A	mm
	TU	6	.25	.99	5A	DW
	WE	7	.25	.99	5A	mm
	TH	8	.25	.99	5A	mm
	Fri	9	.25	.99	6A	JmC
	SAT	10	25	99	JA	DW
	SUN	11	.25	.99	5A	mm
	MON	12	.25	.99	5A	mm
	TU	13	25	99	5A	DW
	WE	14	.25	.99	5A	mm
	TH	15	.25	.99	5A	mm
	Fri	16	.25	.99	6A	JmC
	SAT	17	.25	.99	5A	DW
	SUN	18	.25	.99	5A	mm
	MON	19	.25	.99	5A	mm
	TU	20	25	99	5A	DW
	WE	21	.25	.99	5A	mm
	TH	22	.25	.99	5A	mm
	Fri	23	.25	.99	6A	JmC
	Sat	24	.25	.99	JA	DW
	SUN	25	.25	.99	5A	mm
	MON	26	.25	.99	5A	mm
	TUE	27	.25	.99	5A	mm
	WED	28	.25	.99	5A	mm
		29	.25	.99	.5A	mm
	Fri	30	.25	.99	.6A	JmC
	SAT	31	25	99	5A	DW

D.E.C.

Brown water Monitoring

	MONTH	LINE 5	LINE 10	TIME	WHO
	Sept	.25	.99		
Sun	1	.25	99	5A m	M.M.
Mon	2	.25	.99	5A m	mm
TU	3	.25	.99	5A	mm
WE	4	.25	.99	5A	mm
TH	5	.25	.99	5A	mm
Fri	6	.25	.99	6A	Jmc
Sat	7	.25	.99	5A	DW
SUN	8	.25	.99	5A	mm
MON	9	.25	.99	5A	mm
TU	10	.25	.99	5A	mm
WE	11	.25	.99	5A	mm
TH	12	.25	.99	5A	mm
Fri	13	.25	.99	6A	Jmc
Sat	14	.25	.99	5A	DW
Sun	15	.25	.99	6A	Jmc
MON	16	.25	.99	6A	mm
TU	17	.25	.99	5A	mm
WE	18	.25	99	5A	mm
TH	19	.25	.99	5A	mm
FR	20	.25	.99	5A	mm
Sat	21	.25	.99	5A	DW
SUN	22	.25	.99	6A	mm
MON	23	.25	.99	6A	mm
TU	24	.25	99	5A	DW
WE	25	.25	.99	5A	mm
TH	26	.25	.99	5A	mm
Fri	27	.25	.99	6A	Jmc
Sat	28	.25	.99	5A	DW
Sun	29	.25	.99	5A	DW
M	30	.25	99	5A	DW
	31				

D.E.C.

Brown water Monitoring

	MONTH		LINE 5 25	LINE 10 99	TIME	WHO
Oct						
	TU	1	25	99	5A	DW
	W	2	25	99	5A	DW
	TH	3	.25	.99	6A	MM
	Fri	4	.25	.99	6A	JMC
	Sat	5	.25	.99	5A	DW
	SUN	6	.25	.99	6A	MM
	MON	7	.25	.99	6A	MM
	TU	8	.25	.99	5A	DW
	WE	9	.25	.99	6A	MM
	TH	10	.25	.99	6A	MM
	Fri	11	.25	.99	6A	JMC
	SAT	12	25	99	5A	MM
	SUN	13	.25	.99	6A	MM
	MON	14	.25	.99	6A	MM
	TU	15	.25	.99	5A	DW
	WE	16	.25	.99	6A	MM
	TH	17	.25	.99	6A	MM
	Fri	18	.25	.99	6A	JMC
	SAT	19	25	99	5A	DW
	SUN	20	.25	.99	6A	MM
	MON	21	.25	.99	6A	MM
	TU	22	.25	.99	5A	DW
	WE	23	.25	.99	6A	MM
	TH	24	.25	.99	6A	MM
	Fri	25	.25	.99	6A	JMC
	SAT	26	.25	.99	5A	DW
	SUN	27	.25	.99	6A	MM
	MON	28	.25	.99	6A	MM
	TU	29	.25	.99	5A	DW
	WE	30	.25	.99	6A	MM
	TH	31	.25	.99	6A	MM

D.E.C.

Brown water Monitoring

Nov	MONTH	LINE 5	LINE 10	TIME	WHO
	1	.25	.99	6A	Jmc
	SAT 2	.25	.99	5A	mm
	SUN 3	.25	.99	6A	mm
	MON 4	.25	.99	6A	mm
	TU 5	25	99	5A	DW
	WE 6	.25	.99	6A	mm
	TH 7	.25	.99	6A	mm
	FR 8	.25	.99	8:15-A	mm
	SAT 9	25	99	5A	DW
	SUN 10	.25	.99	6A	mm
	MON 11	.25	.99	6A	mm
	TU 12	25	99	5A	DW
	WE 13	.25	.99	6A	mm
	TH 14	.25	.99	6A	mm
	Fri 15	.25	.99	6A	Jmc
	sat 16	25	99	5A	DW
	SUN 17	.25	.99	6A	mm
	MON 18	.25	.99	6A	mm
	TU 19	.25	99	5A	DW
	wed 20	.25	.99	6A	Jmc
	TH 21	.25	.99	6A	mm
	FR 22	.25	.99	6A	mm
	Sat 23	25	99	5A	DW
	SUN 24	.25	.99	6A	mm
	mon 25	.25	.99	6A	Jmc
	TU 26	.25	.99	5A	DW
	wed 27	.25	.99	6A	Jmc
	TH 28	.25	.99	6A	mm
	FR 29	.25	.99	6A	mm
	SAT 30	25	.99	5A	DW
	31				

D.E.C.

Brown water Monitoring

DEC	MONTH		LINE 5 .25	LINE 10 .99	TIME	WHO
	12-1-19	1	.25	.99	6AM	mm
	12/2-19	2				
	12/3/19	3	.25	.99	5A	DW
	12-4-19	4	.25	.99	6A	mm
	12-5-19	5	.25	.99	6A	mm
	12/5/19	6	.25	.99	6A	JmC
	12/7/19	7	.28	.99	5A	DW
	12/8/19	8	.25	.99	6A	mm
	12/9/19	9	.25	.99	6A	mm
	12/10/19	10	25	99	5A	DW
	12-11-19	11	.25	.99	6A	mm
	12-12-19	12	.25	.99	6A	mm
	12/13/19	13	.25	.99	6A	JmC
	12/14/19	14	.25	.99	5A	DW
	12-15-19	15	.25	.99	6A	mm
	12-16-19	16	.25	.99	6A	mm
	12/17/19	17	25	99	5A	DW
	12/18/19	18	.25	.99	6A	mm
	12/19/19	19	.25	.99	6A	mm
	12/20/19	20	.25	.99	6A	JmC
	12/21/19	21	.25	.99	5A	DW
	12/22/19	22	.25	.99	6A	mm
	12/23/19	23	.25	.99	6A	mm
	12/24/19	24	.25	.99	5A	DW
XMAS	12/25/19	25	.25	.99	5A	DW
	12/26/19	26	.25	.99	5A	DW
	12/27/19	27	.25	.99	6A	JmC
	12/28/19	28	.25	.99	5A	DW
	12-29-19	29	.25	.99	6A	mm
	12/30/19	30	25	.99	5A	DW
	12/31/19	31	25	99	5A	DW

D.E.C.

Brown water Monitoring

2020

JAN	MONTH	LINE 5 .25	LINE 10 .99	TIME	WHO
~~WED~~	1	.25	99	6 AM	MBL
TH ~~TH~~	2	.25	99	6 AM	MM
Fri	3	.25	99	6 AM	JMC
~~Sat~~	4	.25	.99	5A	DW
SUN	5	.25	.99	6A	MM
~~MON~~	6	.25	.99	6A	MM
TU	7	25	99	5A	DW
WE	8	.25	.99	6A	MM
TH	9	.25	.99	6A	MM
Fri	10	.25	.99	6A	JMC
SAT	11	.25	.99	5A	DW
SUN	12	.25	.99	6A	MM
MON	13	.25	.99	6A	MM
TU	14	.25	.99	5A	DW
WE	15	.25	.99	6A	MM
TH	16	.25	.99	6A	MM
Fri	17	.25	.99	6A	JMC
~~Sat~~	18	.25	.99	5A	DW
SUN	19	.25	.99	6A	MM
MON	20	.25	.99	6A	MM
TU	21	.25	.99	5A	DW
WE	22	.25	.99	6A	MM
TH	23	.25	.99	6A	MM
Fri	24	.25	.99	6A	JMC
~~Sat~~	25	.25	.99	5A	DW
SUN	26	.25	.99	6A	MM
MON	27	.25	.99	6A	JMC
TU	28	25	99	5A	DW
WE	29	.25	.99	6A	MM
TH	30	.25	.99	6A	DHR
FRI	31	.25	.99	6A	DHR

D.E.C.

Brown water Monitoring

FEB 2020

	MONTH		LINE 5	LINE 10	TIME	WHO
	SAT	1	.25	.99	6A	DW
	SUN	2	.25	.99	6A	MM
	MON	3	.25	.99	6A	MM
	TU	4	.25	.99	5A	DW
	WE	5	.25	.99	6A	MM
	TH	6	.25	.99	6A	MM
	Fri	7	.25	.99	6A	JME
	Sat	8	.25	99	5A	DW
	SUN	9	.25	.99	6A	MM
	MON	10	.25	99	6A	MM
	TU	11	.25	99	5A	DW
	WE	12	.25	.99	6A	MM
	TH	13	.25	.99	6A	MM
	Fri	14	.25	.99	6A	JME
	Sat	15	.25	.99	5A	DW
	SUN	16	.25	.99	6A	MM
	MON	17	.25	.99	6A	MM
	TU	18	.25	.99	5A	DW
	WE	19	.25	.99	6A	MM
	TH	20	.25	.99	6A	MM
	Fri	21	.25	.99	6A	JME
	SAT	22	.25	.99	5A	DW
	SUN	23	.25	.99	6A	MM
	MON	24	.25	.99	6A	MM
	TU	25	.25	.99	5AM	DW
WE	TH	26	.25	.99	6A	MM
	FR	27	.25	.99	6A	MM
		28				
	SAT	29	25	99	5A	DW
		30				
		31				

D.E.C.

Brown water Monitoring

March 2020

	MONTH		LINE 5 .25	LINE 10 .99	TIME	WHO
	Sun	1	.25	.99	6A	MM
	MON	2	.25	.99	6A	MM
	TU	3	.25	.99	5A	DW
	WE	4	.25	.99	6A	MM
	TH	5	.25	.99	6A	MM
	Fri	6	.25	.99	6A	JME
	Sat	7	.25	.99	5A	DW
	SUN	8	.25	.99	6A	MM
	MON	9	.25	.99	6A	MM
	TU	10	.25	.99	5A	DW
	WE	11	.25	.99	6A	MM
	TH	12	.25	.99	6A	MM
	Fri	13	.25	.99	6A	JME
	Sat	14	.25	.99	5A	DW
	SUN	15	.25	.99	6A	MM
	MON	16	.25	.99	6A	MM
	TU	17	.25	.99	6A	DW
	WE	18	.25	.99	6A	MM
	TH	19	.25	.99	6A	MM
	Fri	20	.25	.99	6A	JME
	Sat	21	.25	.99	6A	JME
	Sun	22	.25	.99	8A	JME
	mon	23	.25	.99	8A	JME
	TU	24	.25	.99	8A	DW
	wed	25	.25	.99	8A	JME
	Thurs	26	.25	.99	8A	JME
	Fri	27	.25	.99	8A	JME
	Sat	28	.25	.99	12P	JME
	Sun	29	.25	.99	10A	JME
	mon	30	.25	.99	10A	JME
	Tues	31	.25	.99	10A	JME

D.E.C.

Brown water Monitoring

	MONTH	LINE 5	LINE 10	TIME	WHO
	April 2020				
	1	.25	.99	6 A	DW
	2	.25	99	6 A	DW
	3	.25	99	6A	DW
	4	.25	99	6A	DW
	5	.25	.99	6A	MM
	6	.25	99	6A	DW
	7	.25	99	6A	DW
	8	.25	99	6A	DW
	9	.25	99	6A	DW
	10	.25	99	6A	DW
	11	.25	99	6A	DW
	12	.25	.99	6A	MM
	13	.25	99	6A	DW
	14	.25	99	6A	DW
	15	.25	99	6A	DW
	16	.25	99	6A	DW
	17	.25	.99	6A	MM
	18	.25	99	6A	DW
	19	.25	99	6A	DW
	20	.25	99	6A	DW
	21	.25	99	6A	DW
	22	.25	.99	6A	MM
	23	.25	99	6A	DW
	24	.25	99	6A	DW
	25	.25	99	6A	DW
	26	.25	99	6A	DW
	27	.25	99	6A	DW
	28	.25	99	6A	DW
	29	.25	.99	6A	MM
	30	.25	.99	6A	DW
	31				

D.E.C.

Brown water Monitoring

	MONTH	LINE 5	LINE 10	TIME	WHO
	May				
	1	.25	99	6	
	2	.25	99	6	
	3	.25	99	6	
	4	.25	99	6	
	5	.25	99	6	
	6	.25	99	6	MM
	7	.25	99	6	
	8	.25	99	6	
	9	.25	99	6	
	10	.25	99	6	
	11	.25	99	6	
	12	.25	99	6	
	13	.25	99	6	MM
	14	.25	99	6	
	15	.25	99	6	
	16	.25	99	6	
	17	.25	99	6	
	18	.25	99	6	
	19	.25	99	6	MM
	20	.25	99	6	
	21	.25	99	6	
	22	.25	99	6	
	23	.25	99	6	
	24	.25	99	6	
	25	.25	99	6	
	26	.25	99	6	
	27	.25	99	6	MM
	28	.25	99	6	
	29	.25	99	6	
	30	.25	99	6	
	31	.25	.99	6A	

D.E.C.

Brown water Monitoring

	MONTH	LINE 5	LINE 10	TIME	WHO
	June 2020				
	1	25	99	6	DW
	2	25	99	6	DW
	3	05	99	6	DW
	4	25	99	6	DW
	5	25	99	6	DW
	6	25	99	6	DW
	7	25	99	6	DW
	8	25	99	6	DW
	9	25	99	6	DW
	10	25	99	6	DW
	11	25	99	6	DW
	12	25	99	6	DW
	13	25	99	6	DW
	14	25	99	6	DW
	15	25	99	6	DW
	16	25	99	6	DW
	17	25	99	6	DW
	18	25	99	6	DW
	19	25	99	6	DW
	20	25	99	6	DW
	21	25	99	6	DW
	22	25	99	6	DW
	23	25	99	6	DW
	24	25	99	6	DW
	25	25	99	6	DW
	26	25	99	6	DW
	27	25	99	6	DW
	28	25	99	6	DW
	29	25	99	6	DW
	30	25	99	6	DW
	31				

D.E.C.

Brown water Monitoring

	MONTH		LINE 5	LINE 10	TIME	WHO
	July 2020					
	Wed	1	.25	.99	530 A	DW
	Th	2	.25	.99	532 A	DW
	Fri	3	.25	.99	530 A	DW
	Sat	4	25	99	530 A	DW
	Sun	5	.25	.99	5:30 A	mm
	M	6	.25	.99	530A	DW
	TU	7	.25	.99	530A	DW
	WE	8	.25	.99	5:30A	mm
	TH	9	.25	.99	530A	DW
	FR	10	25	99	530A	DW
	Sat	11	25	99	530A	DW
	Sun	12	25	99	530A	DW
	M	13	25	99	530A	DW
	TU	14	25	99	530A	DW
	WE	15	.25	.99	5:30 A	mm
	TH	16	25	99	530 A	DW
	Fri	17	25	99	530A	DW
	Sat	18	25	99	530	DW
	Sun	19	25	99	5:30	mm
	M	20	25	99	530A	DW
	TU	21	25	99	530 A	DW
	WE	22	25	.99	5:30 A	mm
	TU	23	25	99	530A	DW
	FR	24	25	99	530A	DW
	Sat	25	25	99	530	DW
	Sun	26	.25	.99	5:30	mm
	M	27	25	99	530	DW
	WE	28	.25	.99	5:30	mm
	W	29	.25	99	530	DW
	TH	30	25	99	530	DW
	Fri	31	25	99	530	DW

APPENDIX D

LABORATORY ANALYTICAL DATA PACKAGES