2021 PERIODIC REVIEW REPORT
FRANKLIN CLEANERS SITE
NYSDEC SITE NO. 130050

WORK ASSIGNMENT NO. D009809-18

Prepared for:

New York State Department of Environmental Conservation
Albany, New York

Prepared by:

MACTEC Engineering and Geology, P.C.
Portland, Maine

MACTEC: 3616206123

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GLOSSARY OF ACRONYMS AND ABBREVIATIONS

1,1-DCE	1,1-dichloroethene
1,2-DCE	1,2-dichloroethene
AS	air sparging
DCE	dichloroethene
EC(s)	engineering control(s)
GAC	granular activated carbon
GWE&TS	groundwater extraction and treatment system
IC(s)	institutional control(s)
µg/m^3	microgram(s) per cubic meter
µg/kg	microgram(s) per kilogram
µg/l	microgram(s) per liter
NCDOH	Nassau County Department of Health
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O&M	operation and maintenance
PCE	tetrachloroethene
PFAS	per- and polyfluoroalkyl substances
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RI/FS	Remedial Investigation and Feasibility Study

GLOSSARY OF ACRONYMS AND ABBREVIATIONS (CONTINUED)

ROD	Record of Decision
RSO	remedial system optimization
SCGs	Standards, Criteria, and Guidance
SIM	selected ion monitoring
Site	Franklin Cleaners
SM	Site Management
SMP	Site Management Plan
SPDES	Stormwater Pollutant Discharge Elimination System
SSDS	sub-slab depressurization system
SVE	soil vapor extraction
TCE	trichloroethene
TCL	Target Compound List
TSCA	Toxic Substance Control Act
USEPA	United States Environmental Protection Agency
VOC(s)	volatile organic compound(s)

EXECUTIVE SUMMARY

The Franklin Cleaners site (herein referred to as the Site) is located at 206-208B South Franklin Street in the Incorporated Village of Hempstead, Nassau County, New York. A groundwater extraction and treatment system (GWE&TS) associated with the Site is located approximately one mile downgradient at 1000 Hempstead Avenue in the Village of Rockville Centre, New York. The Site is a New York State Department of Environmental Conservation (NYSDEC) Class 4 Inactive Hazardous Waste Disposal Site and is listed on the New York State Registry of Inactive Hazardous Waste Sites (Site No. 130050).

Based on the requirements of the Record of Decision (ROD), dated March 30, 1998 (NYSDEC, 1998), remedial activities have been conducted at and downgradient of the Site to address chlorinated-solvent contamination associated with the historical use of the Site as a dry cleaner. Remedial goals outlined in the ROD for the Site are instituted to protect human health and the environment; these goals include:

- Reduce, control, or eliminate contaminated media to the extent practicable.
- Eliminate the threat to groundwater and indoor air by eliminating onsite soil contamination.
- Eliminate the potential for human exposure to the on-site contaminated soils.
- Eliminate the potential for exposure to contaminated groundwater.
- Provide for attainment of soil Standards, Criteria, and Guidance (SCGs) for groundwater, soil, and indoor air to the limits of the affected area, to the extent practicable.

The Site operated as a dry cleaner from 1957 through 1991 and additionally as a laundromat beginning in 1987. Operation as a dry-cleaning facility is reportedly the source of chlorinated-solvent contamination identified at the Site, as well as the groundwater plume extending from the Site. The "source area" contamination was remediated via a soil vapor extraction and air sparging (SVE/AS) system from 2004 to 2007. In February 2007, a sub-slab depressurization system (SSDS) was installed within the basement of the Site building to replace the SVE system.

A GWE&TS was installed approximately one mile downgradient of the Site and began operating in September 2004 to capture and treat the chlorinated-solvent groundwater plume. A monitoring well

network was installed in the vicinity and downgradient of the GWE&TS to monitor the system's effectiveness at treating the plume. Following construction of the GWE&TS and associated groundwater monitoring well network, a routine groundwater monitoring sampling program was initiated.

In July 2017, the system was shut down to allow for equilibrium of the subsurface environment and for monitoring of volatile organic compound (VOC) concentrations via the existing groundwater monitoring well network.

This Periodic Review Report summarizes Site Management (SM) activities completed at the Site from March 2018 through February 2021. Based on activities completed during this period, the Site use and activities are in compliance with the Site Management Plan (SMP) requirements and the institutional controls/engineering controls (IC/ECs) remain in-place and are effective in protecting the public health and environment.

1.0 SITE OVERVIEW

1.1 SITE DESCRIPTION

The Franklin Cleaners Site is a New York State Department of Environmental Conservation (NYSDEC) Class 4, formerly Class 2, Inactive Hazardous Waste Site and was listed on the New York State Registry of Inactive Hazardous Waste Sites (Site No. 130050), following the identification of chlorinated-solvent contamination at the Site due to its historical use as a dry cleaner. The Site operated as a dry cleaner from 1957 through 1991 and additionally as a laundromat beginning in 1987. A dry-cleaning fluid "cooker" operated in the basement of the Site's building during its years as a dry-cleaning facility.

1.2 PHYSICAL SETTING

The Site is located in a mixed residential-commercial area at 206-208B South Franklin Street in the Incorporated Village of Hempstead, Nassau County, New York (**Figure 1.1**). The Site is approximately 1/8-acre in size and includes a two-story structure with a basement, a coin-operated laundromat and a delicatessen on the first floor, and residential apartments on the second floor. The Site is bordered to the west by South Franklin Street, to the north and east by private residences, and to the south and by commercial structure.

The GWE&TS, associated with the Site, is located approximately one mile downgradient of the Site at 1000 Hempstead Avenue in the Village of Rockville Centre, Nassau County, New York (**Figure 1.1** and **Figure 1.2**). It is located on an approximately 1/4-acre area and is bounded to the north by the Southern State Parkway, to the south by Molloy College, to the west by Mercy Medical Center, and to the east by Hempstead Avenue.

The topography within the vicinity of the Site consists of gently southward-sloping plains within the Atlantic Coastal Plain. The geology underlying the Site consists of a southeastward thickening wedge of unconsolidated deposits overlying crystalline bedrock (D&B Engineers and Architects, P.C., 2012). Unconsolidated deposits of poorly sorted glacial till (very fine to coarse sand and gravel) of the Upper Glacial Aquifer make up the uppermost geologic unit. Beneath this unit lies the Magothy

Formation which consists of layers of unconsolidated sands, silts, and clays, and is approximately 500 feet thick. The Raritan Formation sits below the Magothy Formation and consists of an upper clay member, Raritan Clay (approximately 200 feet thick), and a lower sand member, Lloyd Sand Member (approximately 500 feet thick). Beneath this formation lies a gneissic bedrock at approximately 1,000 feet below land surface.

This hydrology beneath the Site consists of the Upper Glacial Aquifer (uppermost), the Magothy Aquifer (middle), and the Lloyd Aquifer (bottommost) which make up Long Island's sole-source aquifer system. The Upper Glacial Aquifer is approximately 80 feet thick beneath the Site and consists primarily of glacial outwash. Hydraulic conductivity values average approximately 250 feet per day. The Magothy Aquifer ranges from approximately 300 to 600 feet in thickness and consists mainly of fine to medium sand with some layers of silts and clays. The bottom 50 to 100 feet comprise coarse sand and gravel. Hydraulic conductivity averages 50 to 60 feet per day. The Lloyd Aquifer is confined by the overlying Raritan Clay member and the underlying bedrock and ranges in thickness from approximately 300 to 500 feet. Regional and local groundwater generally flows to the south-southwest toward small lakes, which generally discharge to various bays along Nassau County's southern shore.

1.3 SITE HISTORY

In March 1990, the Nassau County Department of Health (NCDOH) investigated a complaint of tainted drinking water from a private residence located approximately 100 feet southwest and downgradient of the Site. Two private water supply wells were identified at the residence, a drinking water well (approximately 45 feet deep) and an irrigation well (approximately 32 feet deep). Samples collected from the two wells contained tetrachloroethene (PCE) concentrations of 5,500 micrograms per liter (µg/l) and 29,000 µg/l, respectively. Following these detections, the residence was connected to the Village of Hempstead public water supply system (NYSDEC, 1998).

Due to the Site's upgradient location from the PCE contamination identified at the private residence, in April 1990, the NCDOH performed an inspection of the Site including collection of soil samples from soil exposed at gaps in the Site building's basement and surface soil from the rear of the property. Soil samples from the basement contained PCE concentrations of up to 9,400 micrograms

per kilogram (µg/kg). A sample from the rear of the property contained PCE at 650,000 µg/kg, trichloroethene (TCE) at 1,700 µg/kg, and dichloroethene (DCE) at 680 µg/kg (NYSDEC, 1998).

From April to December 1992, the Nassau County Department of Public Works (NCDPW) conducted a Preliminary Site Assessment based on results from the NCDOH's 1990 groundwater and soil investigations (NCDPW, 1993). One groundwater monitoring well, FC-1, was installed upgradient of the Site to a depth of 40 feet below the ground surface and three groundwater monitoring wells, FC-2, FC-3, and FC-4, were installed downgradient of the Site, each to a depth of 37 feet below the ground surface. Groundwater samples from the four wells were collected and analyzed for volatile organic compounds (VOCs). Downgradient groundwater monitoring well FC-2 contained a PCE concentration of 83 µg/l, which exceeded the Class GA Groundwater Standard for PCE of 5 µg/l. Upgradient groundwater monitoring well FC-1 and downgradient groundwater monitoring wells FC-3 and FC-4 did not contain exceedances of PCE. Following this assessment, in August 1993, the Site was listed as a NYSDEC Class 2, Inactive Hazardous Waste Site (NYSDEC, 1993).

From December 1996 to April 1997, D&B Engineers and Architects, P.C. conducted a Remedial Investigation and Feasibility Study (RI/FS) to identify the source of groundwater contamination, to characterize the nature and extent of onsite groundwater contamination, and to develop an Interim Remedial Measure (IRM) for source remediation (D&B, 1998). Results were summarized in a RI/FS report, dated November 1998, and revealed elevated concentrations of PCE in Site soils and in groundwater at and downgradient of the Site. Soil samples collected from the rear portion of the property and from beneath the Site building's basement slab contained PCE detections of up to 240,000 µg/kg, specifically from beneath the basement's southeast corner in the vicinity of the fluid "cooker." Groundwater samples collected from the water table, approximately 20 to 26 feet below grade, contained elevated PCE detections (up to 1,500 µg/l at the Site and up to 780 µg/l within approximately 3,000 feet downgradient of the Site) as well as elevated levels of PCE breakdown products TCE, 1,1-dichloroethene (1,1-DCE), and 1,2-dichloroethene (1,2-DCE). Groundwater samples collected from an intermediate depth, approximately 33 to 57 feet below grade, contained elevated PCE detections (greater than 1,000 µg/l approximately 1,000 feet downgradient of the Site and greater than 100 µg/l approximately 3,500 feet downgradient of the Site), as well as elevated levels of associated breakdown products. Groundwater samples collected from a greater depth, approximately 49 to 87 feet below grade, contained elevated concentrations of PCE and its associated

breakdown products at the Site and up to 4,500 feet downgradient of the Site. This data suggested that contamination migrated deeper as it traveled further from the source area likely due to downward flow of groundwater immediately downgradient of the Site, contaminants of concern with densities/specific gravities greater than that of water, and infiltration of precipitation. Air samples collected from within the Site building (basement, first floor commercial areas and second floor residential areas), and from commercial and residential properties immediately adjacent to the Site, contained exceedances of the NYSDOH guidance value for PCE of 100 micrograms per cubic meter ($\mu g/m^3$).

In January 1998, an IRM was performed at the Site to address the elevated PCE concentrations detected in indoor air samples collected from the basement, first and second floors of the onsite building. As part of this IRM, air filtration units were installed within the Site building. The units consisted of fans with integrated particulate and granular activated carbon (GAC) filters to recirculate and filter the air and to remove particulates and VOCs. A wall was constructed in the basement to isolate the areas where the former fluid "cooker" was located and where elevated PCE concentrations were detected in soil immediately beneath the basement floor slab. In March 1998, two air filtration units were installed in the basement of the commercial building immediately adjacent to the former dry cleaner building (NYSDEC, 1998).

Based on the findings of the RI/FS, the NYSDEC issued a Record of Decision (ROD) for the Site in March 1998 (NYSDEC, 1998). In order to eliminate or mitigate threats to human health and the environment, the NYSDEC selected the following Institutional Controls/Engineering Controls (ICs/ECs) to be implemented at the Site:

- Soil vapor extraction (SVE) of PCE-contaminated soils with onsite treatment of contaminated vapors using a vapor-phase GAC treatment system.
- Air sparging (AS) of shallow onsite groundwater and capture of PCE vapors by the SVE system.
- Extraction of contaminated groundwater at the leading edge of the contaminant plume for up to 20 years and treatment of water through the use of chemical precipitation and filtering of metals, and air stripping of VOCs along with GAC treatment of off gasses, if necessary.
- Offsite disposal of all spent GAC at a Toxic Substance Control Act (TSCA) and Resource Conservation and Recovery Act (RCRA)-permitted incinerator.

- Installation of a deep irrigation/monitoring well located at Molloy College, downgradient of the Site to replace an existing irrigation well at Molloy College located in the Upper Glacial aquifer.
- Long-term groundwater monitoring and groundwater use restrictions, as necessary.
- Control of indoor air contamination using air purifying, ventilation and vapor barrier systems along with a monitoring program until the "source area" remediation has been effectively completed.

From July 1999 to December 2000, remedial predesign studies were performed at and downgradient of the Site to prepare for the design and construction of a downgradient groundwater extraction and treatment system (GWE&TS) to address contamination migrating from the Franklin Cleaners Site (D&B, 2000). The studies identified that the groundwater contamination plume was approximately 400 feet wide and extended from the Site to approximately 4,500 feet south of the Site and was concentrated at approximately 80 to 95 feet below the ground surface directly above a confining clay layer. A GWE&TS was proposed to be installed approximately one mile downgradient of the Franklin Cleaners Site at the leading edge of the contaminated groundwater plume on property owned by the New York State Office of Parks, Recreation and Prehistoric Preservation. To evaluate effectiveness of the GWE&TS, a groundwater monitoring well network consisting of five wells would be installed downgradient of the system. Proposed wells ASMW-1 through ASMW-3 would be located immediately downgradient of the GWE&TS and screened from approximately 85 to 95 feet below ground surface. Proposed wells ASMW-4 and ASMW-5 would be installed in close proximity to one another and located further downgradient of the GWE&TS on the Molloy College Property. ASMW-4 was proposed to be screened approximately 85 to 95 feet below ground surface above a clay unit, and ASMW-5 would be screened directly below the clay unit at approximately 100 to 110 feet below ground surface.

Remedial activities to address contamination at the Franklin Cleaners Site began in June 2002 and were completed in September 2003. Activities included remedial excavation and restoration of a contaminated dry well, the construction, start-up, and operation and maintenance of an SVE/AS system, the installation of groundwater monitoring wells, repair and sealing of basement floor cracks, and asphalt paving at the rear of the property (D&B Engineers and Architects, P.C., 2018).

The SVE/AS system began operating in November 2003; the AS system was shut down on August 30, 2004 and the SVE system was shut down on August 20, 2005 as concentrations of PCE were below 5 µg/l in on-site groundwater monitoring wells and concentrations of PCE in soil vapor extracted from the SVE wells were non-detectable. The SVE system was restarted on August 30, 2005, following a sub-slab soil sampling event August 10-11, 2005, wherein results indicated a PCE concentration of 128 µg/m^3 in the southern basement of the property. In February 2007, a sub-slab depressurization system (SSDS) was installed within the basement of the Site building to replace the SVE system. The SVE/AS system was decommissioned in March 2007 following start-up of the SSDS (NYSDEC, 2012a). Details of the SSDS are discussed in subsection Section 2.1.2.4.

A GWE&TS was installed approximately one mile downgradient of the Site to capture and treat the contaminated groundwater plume, and a monitoring well network was installed downgradient of the GWE&TS to monitor the system's effectiveness at treating the plume. The GWE&TS and monitoring well network are discussed in further detail in Section 2.0.

The NYSDEC completed groundwater investigations at the Franklin Cleaners Site and downgradient of the Site in December 2008, March 2009, and September 2011 in support of reclassifying the Site's Class 2 Inactive Hazardous Waste Site designation (D&B Engineers and Architects, P.C., 2018). In December 2008, three of nine monitoring wells sampled contained PCE detections, and monitoring well MW-2S, located approximately 300 feet downgradient of the Site, contained a PCE concentration of 29 µg/l, exceeding its Class GA Standard of 5 µg/l. In March 2009, groundwater samples were collected from the nine wells to confirm the results of the December 2008 sampling event. PCE was detected in monitoring well MW-2S at 7.8 µg/l again exceeding the Class GA Standard. In September 2011, a geoprobe groundwater investigation was conducted along the centerline of the groundwater plume. Groundwater grab samples were collected from 20 geoprobe locations, from the Site to approximately 3,600 feet downgradient of the Site, and from four existing groundwater monitoring wells immediately downgradient of the Site. None of the samples contained exceedances of the Class GA Standard for PCE (5 µg/l) including a sample collected from groundwater monitoring well MW-2S. Results from the groundwater investigations showed a general decline in PCE concentrations from December 2008 to September 2011.

In a letter dated November 20, 2012, the NYSDEC notified the Site owner of the Site classification change from Class 2 to Class 4. The letter indicated that hazardous waste disposal at the Site was

addressed by implementation of the selected remedy identified by the March 1998 ROD and that a significant threat to public health and the environmental no longer exists at the Site (NYSDEC, 2012b).

A remedial system optimization (RSO) evaluation was completed at the Site in 2011 and 2012 in an effort to improve the efficiency, effectiveness, and net environmental benefit of the GWE&TS. The RSO evaluation identified potential system improvements and modifications to expedite Site closure while reducing overall project costs. It was recommended that additional investigations be completed to re-delineate the vertical and horizontal extents of the groundwater plume (D&B Engineers and Architects, P.C., 2012).

In June and July 2014, a Plume Redelineation Program was completed at the Site to identify the current vertical and horizontal extents of the groundwater plume. Nine existing wells located along the plume's center line and seventeen temporary groundwater wells were sampled from shallow (approximately up to 50 feet below grade), intermediate (50 to 65 feet below grade), and deep (65 feet below grade and deeper) groundwater intervals. Results from the Plume Redelineation Program indicated that the plume occupied the same general horizontal extents as identified during the November 1998 RI/FS, however, it had greatly reduced its vertical presence in the shallow groundwater interval (up to 50 feet below grade); and that it had slightly migrated below its historical depth of 90 to 95 feet below grade with a significant reduction in concentrations (D&B Engineers and Architects, P.C., 2015).

In the 2016 Periodic Review Report for the Site, it was recommended that continued operation of the system be evaluated as operational and performance data suggested the current configuration of the system was approaching asymptomatic conditions. The system was shut down in July 2017 to allow for equilibrium of the subsurface environment and for monitoring of VOC concentrations via the existing groundwater monitoring well network (D&B Engineers and Architects, P.C., 2017). Following this shut down, concentrations of PCE have steadily decreased (D&B Engineers and Architects, P.C., 2020).

1.4 CLEANUP GOALS AND REMEDIAL PROGRESS

Remedial goals outlined in the ROD for the Site were instituted to protect human health and the environment from chlorinated-solvent contamination related to historical use as a dry cleaner at and downgradient of the Site. Remedial goals outlined in the ROD included:

- Reduce, control, or eliminate contaminated media to the extent practicable.
- Eliminate the threat to groundwater and indoor air by eliminating onsite soil contamination.
- Eliminate the potential for human exposure to the onsite contaminated soils.
- Eliminate the potential for exposure to contaminated groundwater.
- Provide for attainment of soil Standards, Criteria, and Guidance (SCGs) for groundwater, soil, and indoor air to the limits of the affected area, to the extent practicable.

Soil and groundwater contamination within the "source area" was remediated via an SVE/AS system which operated at the Site from November 2003 to February 2007. Due to the availability of public water, groundwater is not currently utilized at or downgradient of the Site and therefore does not act as a potential exposure pathway.

A GWE&TS was installed approximately one mile downgradient of the Site and began operating in 2004 to capture and treat the contaminated groundwater plume. In July 2017, operation of the system was suspended as operational and performance data was approaching asymptomatic conditions and to allow for equilibrium of the subsurface environment (D&B Engineers and Architects, P.C., 2020). Monitoring of groundwater downgradient of the system is accomplished via the groundwater monitoring well network to determine if the GWE&TS should resume operations and to maintain compliance with the institutional controls/engineering controls (ICs/ECs) established for the Site. ICs/ECs are discussed in Section 2.1.

2.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

The Site Management Plan (SMP) for the Site includes an Institutional and Engineering Control Plan, Monitoring and Sampling Plan, Operation and Maintenance (O&M) Plan, and a Site Management Reporting and Certification Plan (D&B Engineers and Architects, P.C., 2020).

2.1 INSTITUTIONAL CONTROLS/ENGINEERING CONTROLS

Institutional controls/engineering controls (ICs/ECs) provide added protection measures for potentially exposed receptors over and above natural attenuation mechanisms and source area remedial measures. ICs for the Site include an O&M Plan, a Monitoring and Sampling Plan, and a Site Management Plan. ECs for the Site include the GWE&TS, the groundwater monitoring well network (ASMW-1 through ASMW-7), an alternate water supply (Molloy College deep irrigation well MCOL-1), and vapor mitigation.

2.1.1 INSTITUTIONAL CONTROLS

The Site Management Plan dated February 2020 includes a Monitoring and Sampling Plan and an O&M Plan for the GWE&TS and acts as an IC for the Site. Soil and groundwater contamination within the "source area" was successfully remediated via an SVE/AS system and groundwater is not currently utilized at or downgradient of the Site due to availability of public water.

2.1.2 ENGINEERING CONTROLS

2.1.2.1 GWE&TS

A GWE&TS was installed approximately one mile downgradient of the Site at the leading edge of the groundwater plume to capture and treat the contaminated groundwater plume. Groundwater was extracted via two 6-inch diameter extraction wells (EW-1 and EW-2) screened at a depth of 70-90 and 75-90 feet below grade, respectively, and treated by an air stripping unit inside the GWE&TS building. Treated water was then discharged to a Nassau County Department of Public Works storm sewer manhole where it eventually discharged to Smith Pond (approximately two miles south-

southwest of the GWE&TS). Exhaust from the air stripping unit was initially treated via two 1,000-pound GAC vessels before discharging to the atmosphere. This was reconfigured to bypass the GAC vessels and discharge directly to the atmosphere following continued low contaminant concentrations in the air stripper vapor-phase discharge (D&B Engineers and Architects, P.C., 2020). An "As-Built" drawing depicting the layout of the GWE&TS is included as **Figure 1.3**.

In July 2017, the GWE&TS was put into prolonged shut down as the operational and performance data set indicated the system was approaching asymptotic conditions. The shutdown allows for equilibrium of the subsurface environment and for monitoring of VOC concentrations via the existing groundwater monitoring well network (D&B Engineers and Architects, P.C., 2017). Following shutdown, quarterly groundwater monitoring was performed to assess current conditions of the groundwater plume and based on groundwater sampling data collected, the sampling frequency was reduced from quarterly to every fifth quarter in February 2020.

Although not a requirement of the March 1998 ROD for the Site, fencing and security signage within the vicinity of the GWE&TS prevents Site access. An annual inspection of fencing is to be completed in accordance with the Site's Monitoring and Sampling Plan included in the February 2020 SMP. Based on available records from the reporting period, fencing and security signage are reportedly in-place and functioning properly.

2.1.2.2 GROUNDWATER MONITORING WELL NETWORK

A groundwater monitoring well network (ASMW-1 through ASMW-7) was installed in 2004 approximately one mile downgradient of the Site and is sampled as part of routine long-term groundwater monitoring in accordance with the March 1998 ROD for the Site (NYSDEC, 1998). Monitoring wells ASMW-1, ASMW-2, and ASMW-3 were installed to monitor groundwater contaminant concentrations at the leading edge of the groundwater plume (in the vicinity of the GWE&TS) and screened from approximately 80 to 90 feet below ground surface above a confining clay layer. Monitoring wells ASMW-4, ASMW-5, ASMW-6, and ASMW-7 were installed downgradient of the GWE&TS and upgradient of the Village of Rockville Centre water supply wells to ensure the GWE&TS was effectively capturing the groundwater plume, and act as sentinel wells for the Village's water supply wells. ASMW-4 is screened from 100 to 110 feet below ground surface, ASMW-5 is screened from 123 to 133 feet below ground surface, ASMW-6 is screened from

122 to 123 feet below ground surface, and ASMW-7 is screened from 230 to 250 feet below ground surface. Well construction logs for the formerly installed monitoring wells are included in the February 2020 SMP (D&B Engineers and Architects, P.C., 2020). Following shutdown of the GWE&TS, groundwater samples are collected from EW-1 and EW-2 as part of long-term monitoring.

A figure depicting well locations is included as **Figure 2.1**.

2.1.2.3 ALTERNATE WATER SUPPLY (MOLLOY COLLEGE DEEP IRRIGATION WELL)

Based on the requirements of the March 1998 ROD for the Site, a deep irrigation well was installed on the Molloy College property (approximately one mile downgradient of the Site and approximately 240 feet east of ASMW-6) to replace an existing shallow irrigation well (MCOL-1) that had the potential to draw from the contaminated groundwater plume.

Irrigation well MCOL-1 is not sampled as part of routine long-term groundwater monitoring; however, samples collected from monitoring wells ASMW-4 through ASMW-7 (west of MCOL-1) during the reporting period did not contain detections of VOCs, with the exception of ASMW-6 which contained a PCE concentration of 0.52 µg/l during the July 2018 sampling event.

2.1.2.4 VAPOR MITIGATION

Although not a required EC as part of the selected remedy for the Site in the March 1998 ROD, an SSDS was installed in February 2007 at the Franklin Cleaners Site to address chlorinated VOCs that were detected beneath the Site's basement slab following the decommissioning of the SVE/AS system. The SSDS contains four suction points in the basement slab that are connected to centrifugal fans and piping. Soil gas from beneath the slab is discharged through the piping to an exhaust stack exiting above the Site building roof. Operation of the SSDS is the responsibility of the property owner; however, inspection and maintenance activities are managed by the NYSDEC under a separate state-wide program. Based on a February 14, 2012 site inspection, the SSDS was operating as designed (D&B Engineers and Architects, P.C., 2020). Recent SSDS inspection data was not available at the time of this report.

To evaluate the potential for soil vapor intrusion impacts in the off-site area above the original PCE plume, a shallow groundwater quality investigation was initiated in 2008 and completed in 2011. Field work completed in December 2008 included sampling of six direct push probes and three existing monitoring wells. The results showed PCE in three out of the nine locations within 200 ft of the former dry cleaner. An additional set of groundwater samples was collected in March 2009 to confirm the initial results. Analytical results indicated that only one well, located about 300 ft from the site, had any detections of PCE. In 2011, additional groundwater sampling was completed along the centerline of the off-site PCE plume previously delineated during the RI in 1995. Results of groundwater grab samples collected at the water table from the 20 Geoprobe locations and 4 existing monitoring wells indicated that the shallow off-site PCE plume (encountered at approximately 20 ft bgs) has significantly decreased and is no longer considered a source of vapors.

2.2 OPERATION AND MAINTENANCE PLAN COMPLIANCE

The GWE&TS was shut down in July 2017 and was not in operation during the 2018-2021 reporting period; therefore, routine and non-routine system maintenance activities outlined in the O&M Plan included in the SMP were not required. Although the system was not operational, the following general facility maintenance tasks were completed, as applicable, in adherence with the Site's O&M Plan:

- Snow removal, as needed;
- Replacement of light bulbs for emergency and GWE&TS area lighting, as needed;
- Cleaning of GWE&TS building louver inlet vent screen, as needed; and
- Removal of onsite overgrown vegetation.

Summaries of these general facility maintenance tasks are outlined below and were recorded on Site Activities Logs and Daily Inspection Reports from April 2018 through February 2021 (**Appendix A**).

- **Quarter 55 (March 2018-May 2018):** Routine and non-routine maintenance activities were not completed during this period. Facility maintenance activities were not completed this reporting period.
- **Quarter 56 (June 2018-August 2018):** Routine and non-routine maintenance activities were not completed during this period. Groundskeeping activities were completed once during this period.
- **Quarter 57 (September 2018-November 2018):** Routine and non-routine maintenance activities were not completed during this period. Groundskeeping activities were completed once during this period.
- **Quarters 58 (December 2018-February 2019) and 59 (March 2019-May 2019):** Documentation was not available.
- **Quarter 60 (June 2019-August 2019):** Routine maintenance activities were not completed during this period. Non-routine maintenance was performed in July 2019 which included routine groundwater sampling by the NYSDEC Remedial Services Contractor. The Contractor attempted to collect samples from EW-1 and EW-2 on July 2, 2019. The Contractor returned to the Site on July 3, 2019, to complete groundwater sampling and again attempt sample collection at EW-1 and EW-2. The second attempt to restart the GWE&TS resulted in a ground fault error displayed at EW-1 and EW-2's variable frequency drive (VFD). On July 24, 2019, the NYSDEC's call-out electrician completed troubleshooting activities at EW-1 and EW-2 and the Contractor was able to successfully collect samples from these wells. Groundskeeping activities were completed on June 6 and 18, 2019, July 1, 16, and 30, 2019, and August 14 and 29, 2019.
- **Quarter 61 (September 2019-November 2019):** Routine maintenance activities were not completed during this period. Non-routine maintenance activities were completed on October 2 and 3, 2019. The NYSDEC Remedial Services Contractor replaced the manhole

cover at ASMW-7 and installed bollards around the manhole. Groundskeeping activities were completed on September 12 and 24, 2019, and October 11, 2019.

- **Quarter 62 (December 2019-February 2020):** Documentation was not available.
- **Quarter 63 (March 2020-May 2020):** Routine and non-routine maintenance activities were not completed during this period. Groundskeeping activities were completed once during this period.
- **Quarter 64 (June 2020-August 2020):** Routine and non-routine maintenance activities were not completed during this period. Groundskeeping activities were completed six times during this period.
- **Quarter 65 (September 2020-November 2020):** Routine and non-routine maintenance activities were not completed during this period. General facility maintenance including groundskeeping activities and safety equipment (fire extinguisher, emergency lighting) inspections were completed six and two times, respectively, during this period.
- **Quarter 66 (December 2020-February 2021):** Routine and non-routine maintenance activities were not completed during this period. Groundskeeping activities were completed twice during this period.

Additional maintenance and modifications to the system are not necessary unless full-time operation resumes. Should the GWE&TS resume operation, the procedures and requirements of O&M Plan included in the February 2020 SMP shall be adhered to. Additionally, a State Pollutant Discharge Elimination System (SPDES) permit equivalency is in place for the discharge of treated groundwater from the GWE&TS to a NCDPW storm sewer located along Hempstead Avenue, east of the GWE&TS, should the system resume operations. The permit equivalency expires after December 31, 2021 (**Appendix B**)

2.3 MONITORING AND SAMPLING PLAN COMPLIANCE

A Monitoring and Sampling Plan (included in the SMP) is in place for the GWE&TS and provides methods for evaluating the groundwater plume extending from the Site (D&B Engineers and Architects, P.C., 2020). Elements of the Monitoring and Sampling Plan include, but are not limited to:

- Requirements and protocols for inspection and maintenance, groundwater sampling and analysis, sample locations and frequency.

- Assessment of remedial performance, groundwater standards compliance, and condition of the implemented ECs.
- Evaluation of prolonged shutdown of the GWE&TS.
- Reporting and Quality Assurance/Quality Control (QA/QC) requirements.

2.3.1 LONG-TERM GROUNDWATER MONITORING

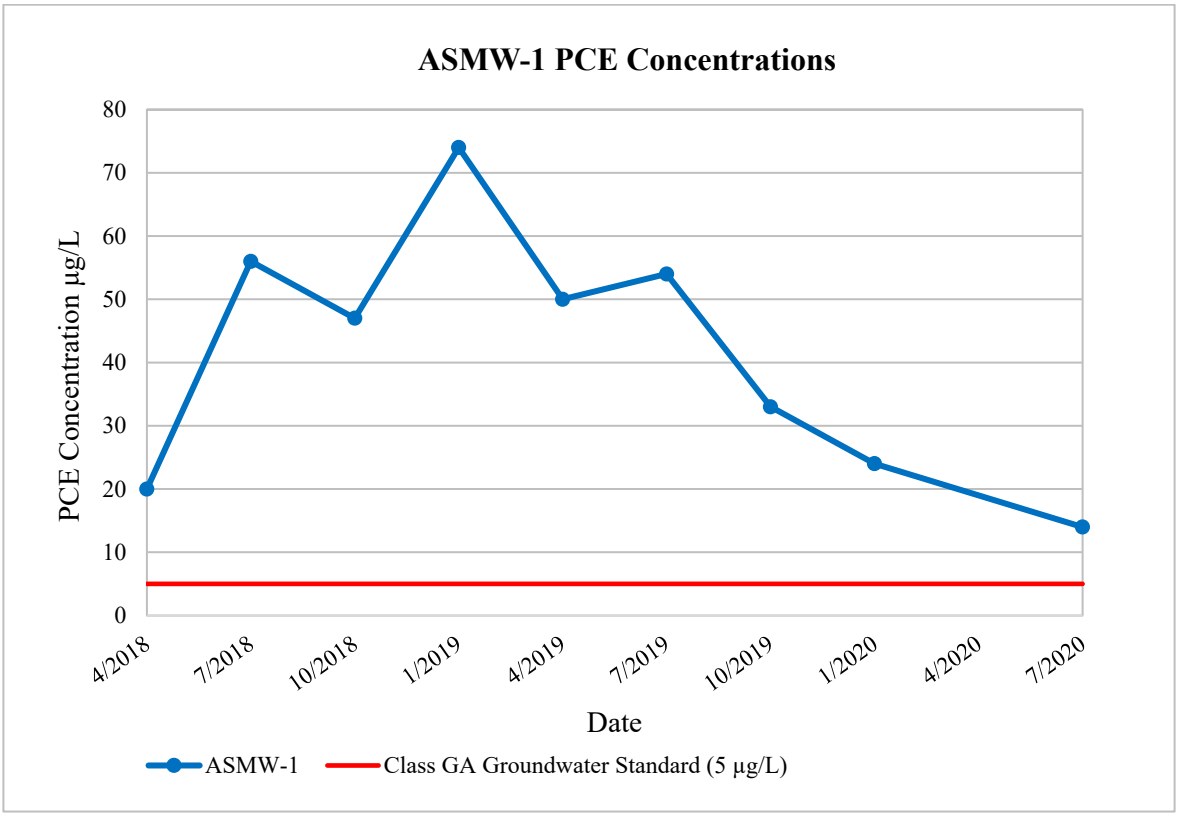
Long-term monitoring of the leading edge of the groundwater plume and downgradient of the GWE&TS is accomplished through the groundwater monitoring well network located approximately one mile south-southwest of the Site. Monitoring wells ASMW-1, ASMW-2, and ASMW-3 are used to monitor groundwater contaminant concentrations at the leading edge of the groundwater plume (in the vicinity of the GWE&TS). Monitoring wells ASMW-4, ASMW-5, ASMW-6, and ASMW-7 are used to monitor groundwater contaminant concentrations downgradient of the GWE&TS and upgradient of the Village of Rockville Centre water supply wells and serve as sentinel wells for the Village's supply wells. Extraction wells EW-1 and EW-2 are also sampled as part of long-term monitoring and are located along the southern median of the Southern State Parkway (eastbound) upgradient of the GWE&TS building. Well locations are depicted on **Figure 2.1**.

Following shutdown of the GWE&TS, quarterly groundwater monitoring was performed to assess if operation of the system should resume. Based on groundwater sampling data collected as part of the quarterly monitoring events in 2018 and 2019, the sampling frequency was reduced from quarterly to every fifth quarter in February 2020 (D&B Engineers and Architects, P.C., 2020).

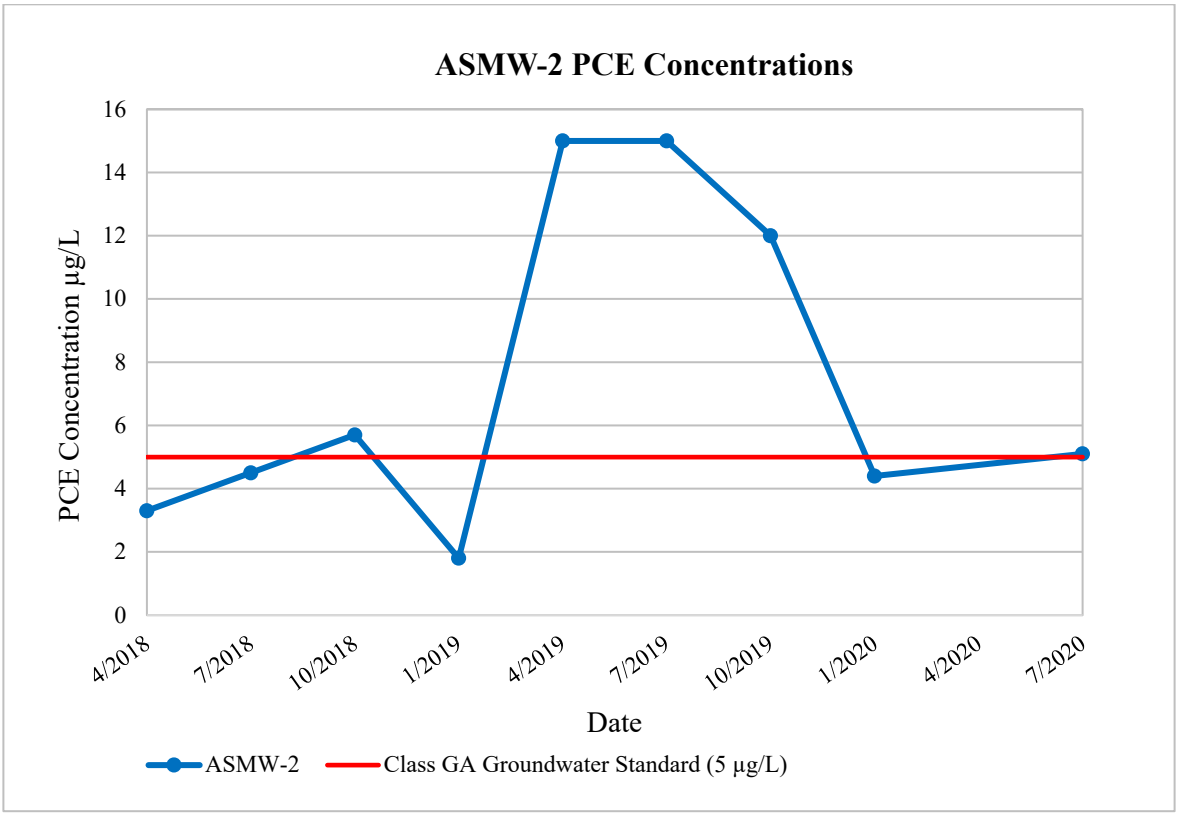
Groundwater samples were collected and analyzed for Target Compound List (TCL) VOCs via United States Environmental Protection Agency (USEPA) Method 8260C. At the request of the NYSDEC, beginning in July 2017, samples were collected for the analysis of per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane via USEPA Methods 537 (modified), and 8270 selected ion monitoring (SIM), respectively. A long-term monitoring sampling matrix reflecting the updated sampling frequency from February 2020 is included as **Table 2.1**. Analytical results for VOCs and emerging contaminants (PFAS and 1,4-dioxane) from sampling events conducted during the reporting period are included in **Tables 2.2** and **2.3**, respectively. Analytical data were reviewed in accordance with USEPA validation guidelines; available data validation checklists are included as **Appendix D**. A summary of PCE concentrations detected in the monitoring well network is

provided below. Groundwater PCE concentrations from sampling events conducted in 2018, 2019, and 2020, are depicted on **Figures 2.2**, **2.3**, and **2.4**, respectively.

ASMW-1: PCE was detected at concentrations ranging from 14 µg/l (July 2020) to 74 µg/l (January 2019) during the reporting period. PCE concentrations in ASMW-1 exhibited an overall decreasing trend throughout the reporting period and historically since 2003. A graph depicting PCE concentrations in ASMW-1 during the reporting period compared to the Class GA Standard for PCE (5 µg/l) is included below.



ASMW-2: During the reporting period, PCE was detected at concentrations ranging from 1.8 µg/l (January 2019) to 15 µg/l (April and July 2019). Overall, PCE concentrations have exhibited an increasing trend throughout the reporting period and an overall decreasing trend since 2003. A graph depicting PCE concentrations in ASMW-2 during the reporting period compared to the Class GA Standard for PCE (5 µg/l) is included below.



ASMW-3: Consistent with historical data, PCE was not detected in the groundwater samples collected from this monitoring well except for one detection of 0.29 µg/l from the July 2018 sampling event.

ASMW-4: Consistent with historical data, PCE was not detected in the groundwater samples collected from this downgradient monitoring well during the reporting period.

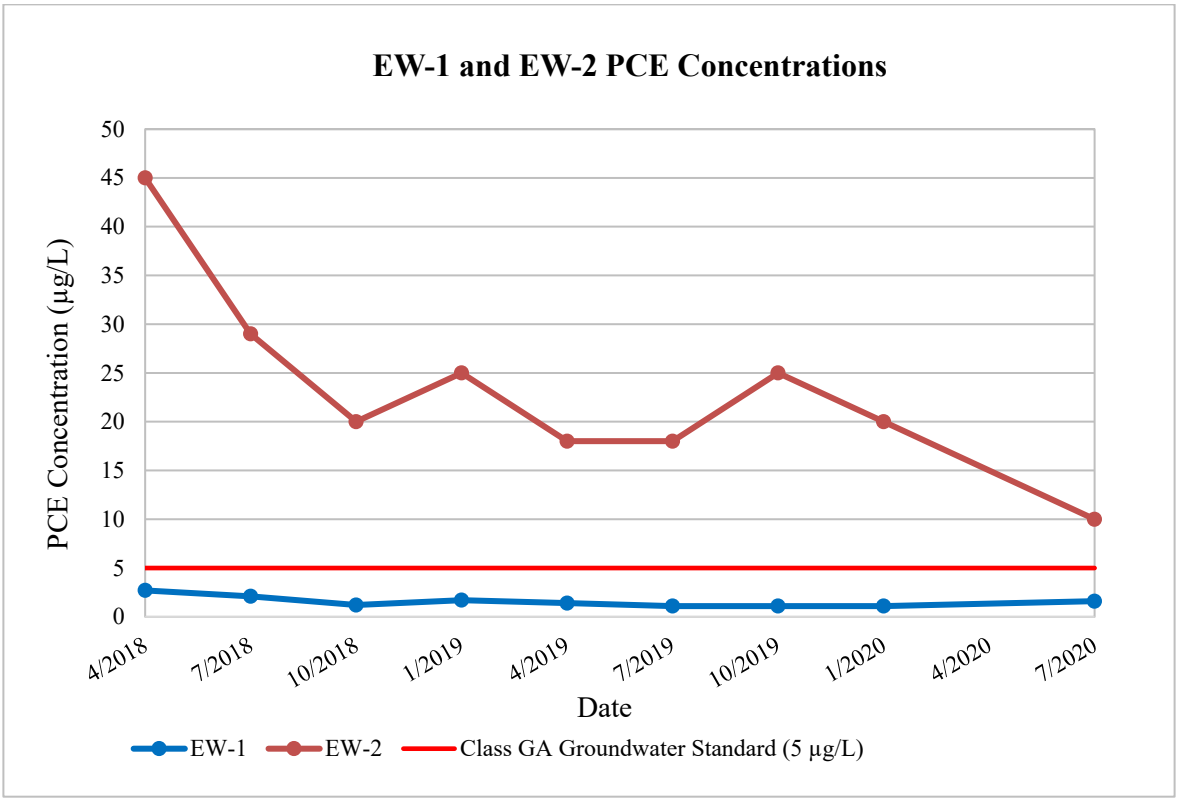
ASMW-5: Consistent with historical data, PCE was not detected in the groundwater samples collected from this downgradient monitoring well during the reporting period.

ASMW-6: Consistent with historical data, PCE was not detected in the groundwater samples collected from this downgradient monitoring well except for one detection of 0.52 µg/l from the July 2018 sampling event.

ASMW-7: PCE was not detected in the groundwater samples collected from this downgradient monitoring well throughout the reporting period.

EW-1: During the reporting period, PCE was detected at concentrations ranging from 1.1 µg/l (July and October 2019 and January 2020) to 2.7 µg/l (April 2018) which are below the Class GA Standard for PCE of 5.0 µg/l. A graph depicting PCE concentrations in EW-1 during the reporting period compared to the Class GA Standard for PCE is included below.

EW-2: PCE concentrations ranged from 10 µg/l (July 2020) to 45 µg/l (April 2018) during the reporting period. Overall, PCE concentrations have exhibited a decreasing trend throughout the reporting period and a decreasing trend since start-up of the treatment system in September 2004. A graph depicting PCE concentrations in EW-2 during the reporting period compared to the Class GA Standard for PCE is included below.



Collectively, the groundwater monitoring well network has demonstrated stabilized or decreasing PCE trends. Downgradient monitoring wells (ASMW-4 through ASMW-7) have exhibited non-detectable concentrations of PCE concentrations during the 2018 to 2021 reporting period with the

exception of one detection at ASMW-6 of 0.52 µg/l (July 2018) well below the PCE Class GA Standard of 5 µg/l.

2.3.1.1 MONITORING WELL FIELD INSPECTIONS

All wells sampled as part of long-term monitoring of the groundwater plume during the reporting period were accessible, and concrete well pads (where applicable), protective casings, surface seals, well IDs, well risers, well plugs, and locks were observed to be in good condition with the following exceptions:

Quarter 55 (March 2018-May 2018):

- Well ID markers for ASMW-5 and ASMW-6 were missing.
- Bolts were missing or broken at ASMW-1, ASMW-2, and ASMW-4.
- A lock was not present at ASMW-2, ASMW-4, or ASMW-5.

Quarter 56 (June 2018-August 2018):

- Well ID markers for ASMW-5 and ASMW-6 were missing.
- The concrete pad around the manhole for ASMW-5 was in poor condition.
- A lock was not present at ASMW-4, ASMW-5, or ASMW-7.

Quarter 57 (September 2018-November 2018):

- Well cover for ASMW-7 was cracked.
- ASMW-2 could not be accessed for sampling on October 10, 2018, due to a downed tree. On October 26, 2018, the downed tree was removed and groundwater samples were collected from ASMW-2.

Quarters 58 (December 2018-February 2019) and 59 (March 2019-May 2019): Documentation not available.

Quarter 60 (June 2019-August 2019):

- ASMW-1 was observed to be missing 3 bolts.
- ASMW-2 was observed to have stripped threads at the manhole tabs.
- ASMW-7 was observed to have a crack in the well cover.

Quarter 61 (September 2019-November 2019):

- ASMW-4 was observed to have a small crack in the manhole and was missing the well ID.
- ASMW-5 was observed to have a small crack in the manhole and was missing the well ID.

- ASMW-6 was observed to be missing the well ID.

Quarter 62 (December 2019-February 2020): Documentation not available.

Quarter 63 (March 2020-May 2020): Long-term monitoring activities were not completed during this quarter.

Quarter 64 (June 2020-August 2020):

- ASMW-4, ASMW-5, and ASMW-6 were noted to be missing their respective well ID; however, photographs included in the July 15, 2020 Daily Inspection Report depicted visible well IDs written in permanent marker on the exposed surface of the well lids.
- Photographs included in the July 14 and 15, 2020 Daily Inspection Reports depict missing bolts on well lids at ASMW-1, ASMW-2, ASMW-3, ASMW-4, and ASMW-5; however, missing bolts at these wells was not noted on the Monitoring Well Field Inspection Logs completed on July 14 and 15, 2020.

Quarters 65 (September 2020-November 2020) and 66 (December 2020-February 2021): Long-term monitoring activities were not completed during these quarters.

Available monitoring well field inspection logs from the reporting period are included as **Appendix C**.

3.0 COST CONTROL SUMMARY

SM costs incurred during the reporting period under the Site's previous engineering consultant or for subcontractors or utilities were not available. MACTEC was awarded Work Assignment D009809-18 for the Site on November 18, 2020. A cost summary for MACTEC's SM activities from November 2020 through February 2021 is provided below by task.

Task 1 (Scoping)	
Labor	$14,403.83
Task 2 (Site Management Plan)	
Labor	$0
Task 3 (Operation and Maintenance)	
Labor	$323.96
Task 4 (Monitoring and Reporting)	
Labor	$565.62
Task 5 (Remedial System Optimization)	
Labor	$0

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the requirements of the March 1998 ROD, remedial activities have been conducted at and downgradient of the Site to address chlorinated-solvent contamination associated with the historical use of the Site as a dry cleaner. The remedial goals outlined in the ROD were instituted to protect human health and the environment and include:

- Reduce, control, or eliminate contaminated media to the extent practicable.
- Eliminate the threat to groundwater and indoor air by eliminating onsite soil contamination.
- Eliminate the potential for human exposure to the onsite contaminated soils.
- Eliminate the potential for exposure to contaminated groundwater.
- Provide for attainment of soil Standards, Criteria, and Guidance (SCGs) for groundwater, soil, and indoor air to the limits of the affected area, to the extent practicable.

4.1 INSTITUTIONAL CONTROLS/ENGINEERING CONTROLS

The current ICs/ECs are adequate to achieve the objectives for protection of human health and the environment. ICs for the Site, including a Monitoring and Sampling Plan and an O&M Plan for the GWE&TS, are contained in the February 2020 SMP and remain in-place and adhered to as applicable during the GWE&TS shut down.

ECs for the Site include the GWE&TS, the groundwater monitoring well network (ASMW-1 through ASMW-7), an alternate water supply (Molloy College deep irrigation well MCOL-1), and vapor mitigation.

The GWE&TS, installed approximately one mile downgradient of the Site at the leading edge of the groundwater plume, has effectively captured and treated the groundwater plume and was put into prolonged shutdown in July 2017. The groundwater monitoring well network (located approximately one mile downgradient of the Site) continues to be sampled as part of routine long-term groundwater monitoring in accordance with the March 1998 ROD for the Site for the monitoring of VOC concentrations. Data show that the groundwater plume is stable and is not migrating. Data will continue to be reviewed to determine if the GWE&TS should be restarted.

Alternate water supply, deep irrigation well MCOL-1, located on the Molloy College property downgradient of the GWE&TS was installed to replace an existing shallow irrigation well (with the same well ID) to prevent the shallow well's potential to draw from the contaminated groundwater plume. MCOL-1 is not sampled as part of routine long-term groundwater monitoring; however, samples collected from groundwater monitoring well downgradient of the GWE&TS during the reporting period did not contain detections of VOCs, with the exception of one low level detection at ASMW-6 (0.52 µg/l, July 2018) well below the PCE GA criteria.

Fencing and security signage is utilized to prevent Site access within the vicinity of the GWE&TS. Based on available records from the reporting period, fencing and security signage are reportedly in-place and functioning properly.

Although not a required EC as part of the selected remedy, an onsite SSDS for vapor mitigation was installed in February 2007 to address chlorinated VOCs that were detected beneath the former Franklin Cleaners Site's basement slab following the decommissioning of the SVE/AS system. Operation of the SSDS is the responsibility of the property owner and inspection and maintenance activities are managed by the NYSDEC under a separate state-wide program.

4.2 Operation and Maintenance Plan

The GWE&TS was shut down in July 2017 and was not in operation during the reporting period; therefore, it was not necessary for routine and non-routine system maintenance activities to be completed as outlined in the O&M Plan included in the SMP. Although the system was off, general facility maintenance tasks were completed at the Site. Should the GWE&TS resume operation, the procedures and requirements of O&M Plan included in the February 2020 SMP shall be adhered to.

4.3 Groundwater Monitoring Program

Long-term monitoring of the leading edge of the groundwater plume and downgradient of the GWE&TS is accomplished through the groundwater monitoring well network located approximately one mile south-southwest of the Site. Data from groundwater sampling events completed during the reporting period exhibit overall decreasing trends in PCE concentrations in groundwater and are

generally stable; therefore, the system shutdown has not caused contaminant concentrations to rebound. VOC concentrations do not exceed GA standards with exception of PCE as previously discussed. VOC concentrations in the groundwater plume will continue to be examined during long-term monitoring events conducted every fifth quarter. The next sampling event will be conducted in July 2021.

4.4 RECOMMENDATIONS

In an effort to continue optimizing efficiency and remedial progress, and to provide further cost savings at the Site, the following are recommended:

- Continued implementation, review, and evaluation of the existing ICs/ECs, O&M Plan, and groundwater monitoring program, as applicable.
- Continued general facility maintenance tasks.
    - Routine inspections of emergency lighting, exit signs, and the fire extinguisher in the GWE&TS building.
    - Replacement of light bulbs for emergency and GWE&TS area lighting, as needed.
    - Ground maintenance including mowing, brush removal, and snow removal (conducted by the existing NYSDEC callout subcontractor).
- Repairs to groundwater monitoring wells, including but not limited to:
    - Surface seal integrity repairs (cracking, heaving) at ASMW-4 and ASMW-5.
    - Replacement of missing bolts on well lids at ASMW-1, ASMW-2, ASMW-3, ASMW-4, and ASMW-5.

5.0 REFERENCES

Dvirka and Bartilucci Consulting Engineers (D&B), 1998. Remedial Investigation and Feasibility Study Report, Franklin Cleaners Site. Prepared for the New York State Department of Environmental Conservation. November 1998.

D&B, 2000. Groundwater Extraction and Treatment System Design Report, Franklin Cleaners Site. Prepared for the New York State Department of Environmental Conservation. December 2000.

D&B Engineers and Architects, P.C., 2012. Dvirka and Bartilucci Consulting Engineers, Remedial System Optimization Report. Prepared for the New York State Department of Environmental Conservation. May 2012.

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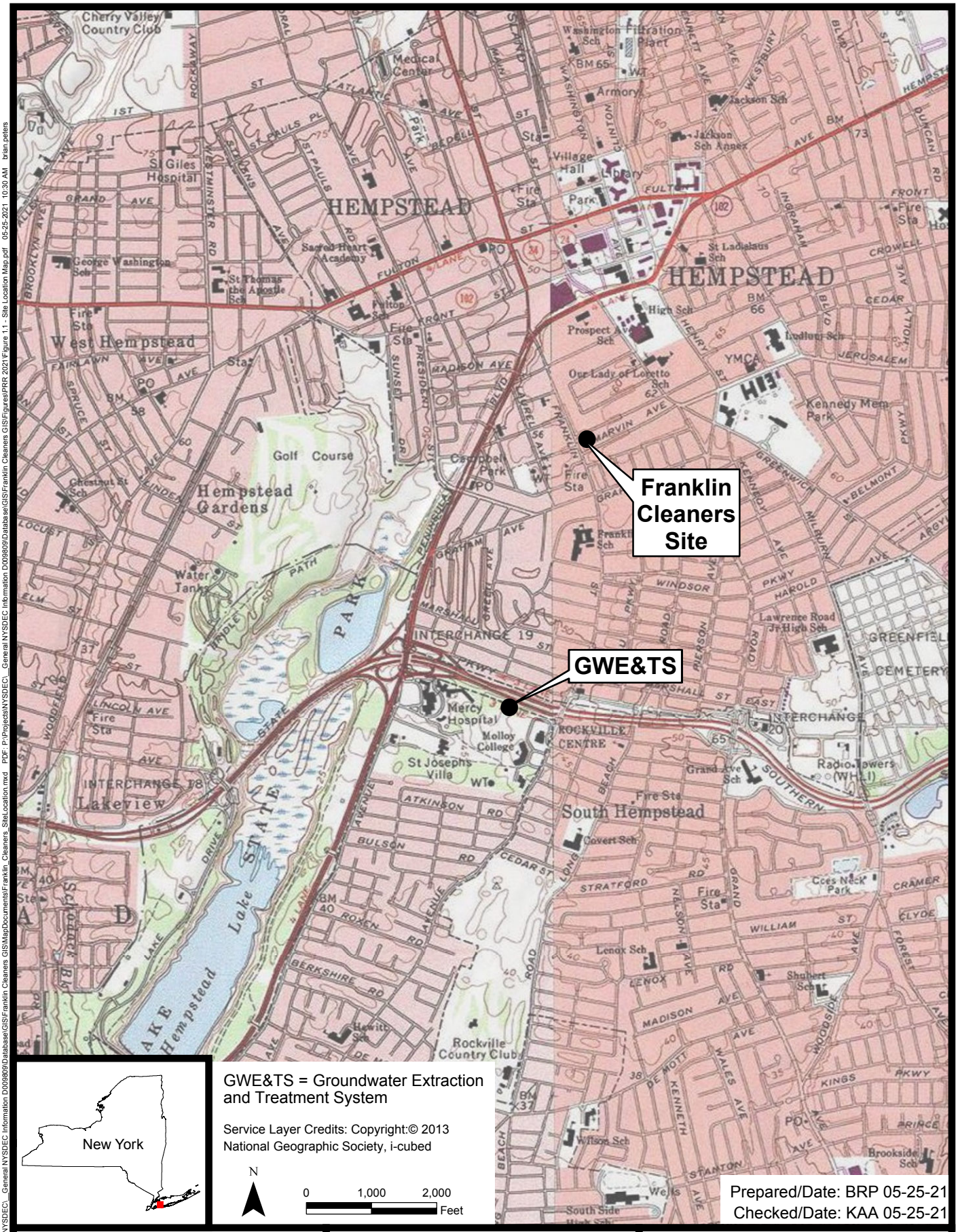
NYSDEC, 2012b. Division of Environmental Remediation. Registry of Inactive Hazardous Waste Disposal Sites Classification Change Notification Letter. November 20, 2012.

FIGURES



2021 Periodic Review Report
Franklin Cleaners Site (130050)
Village of Hempstead, New York

MACTEC

Site Location Map

Project 3616206123 Figure 1.1

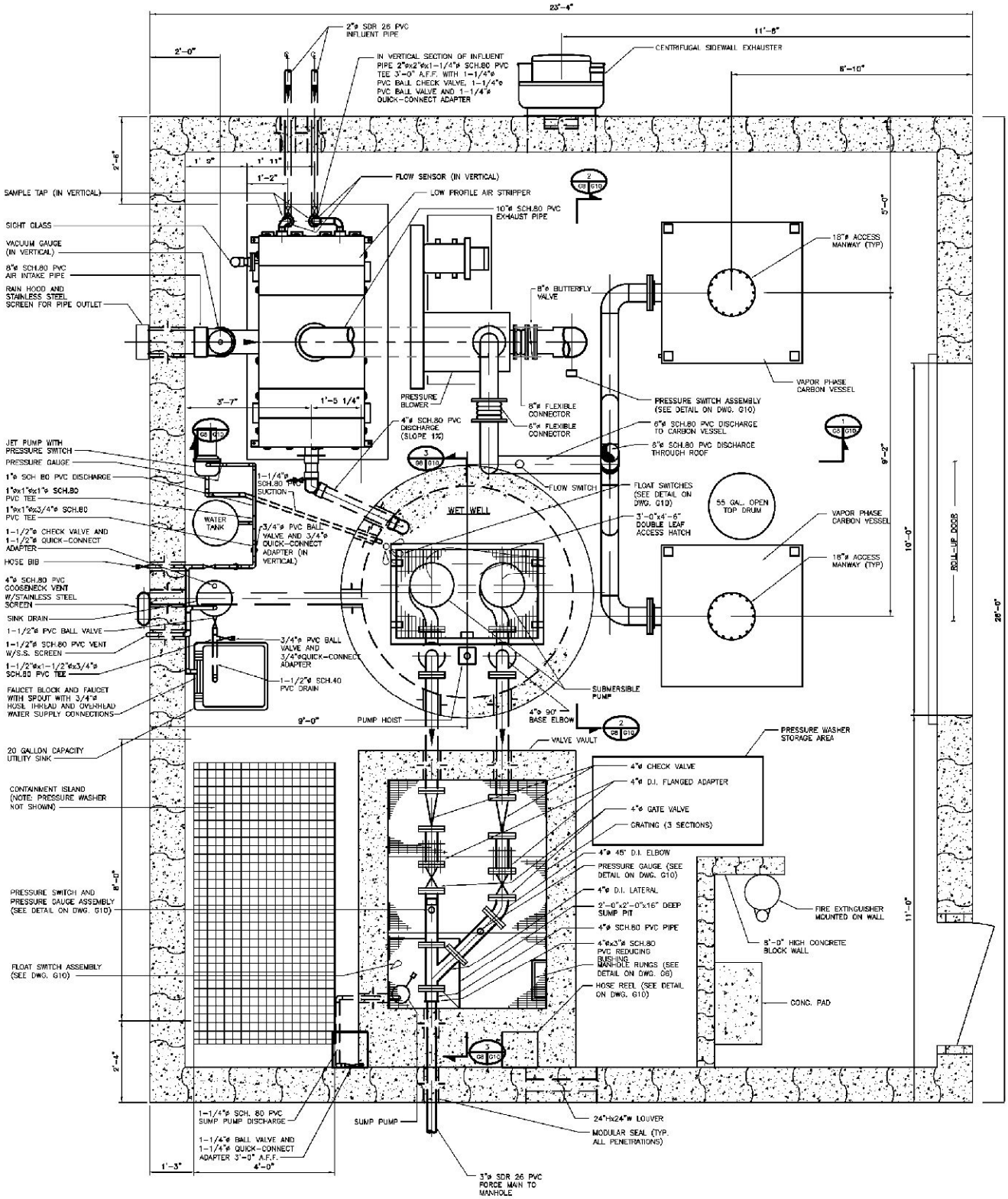
Prepared/Date: BRP 05-25-21
Checked/Date: KA 05-25-21

2021 Periodic Review Report
Franklin Cleaners Site (130050)
Village of Hempstead, New York

MACTEC

Site Plan - Offsite

Project 3616206123 Figure 1.2



Prepared/Date: BRP 05-24-21
Checked/Date: KA 05-24-21

2021 Periodic Review Report Franklin Cleaners Site (130050) Village of Hempstead, New York	MACTEC	"As-Built" Treatment System Layout Project 3616206123 Figure 1.3

Image Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

EW-2
ASMW-1
EW-1
ASMW-2
ASMW-3
ASMW-4
ASMW-5
ASMW-7
ASMW-6
MCOL-1

Legend

- Monitoring Well
- Extraction Well
- Irrigation Well

N

0 50 100 Feet

Prepared/Date: BRP 05-25-21
Checked/Date: KAA 05-25-21

2021 Periodic Review Report
Franklin Cleaners Site (130050)
Village of Hempstead, New York

MACTEC

Monitoring Well Location Map

Project 3616206123 Figure 2.1

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Image Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

EW-2	
Date	Result (µg/L)
4/25/2018	45
7/11/2018	29
10/10/2018	20

EW-1	
Date	Result (µg/L)
4/25/2018	2.7
7/11/2018	2.1
10/10/2018	1.2

ASMW-1	
Date	Result (µg/L)
4/25/2018	20
7/5/2018	56
10/10/2018	47

ASMW-2	
Date	Result (µg/L)
4/25/2018	3.3
7/5/2018	4.5
10/26/2018	5.7

ASMW-3	
Date	Result (µg/L)
4/25/2018	ND
7/11/2018	0.29
10/10/2018	ND

ASMW-4	
Date	Result (µg/L)
4/25/2018	ND
7/5/2018	ND
10/10/2018	ND

ASMW-5	
Date	Result (µg/L)
4/25/2018	ND
7/5/2018	ND
10/10/2018	ND

ASMW-7	
Date	Result (µg/L)
4/25/2018	ND
7/11/2018	ND
10/10/2018	ND

ASMW-6	
Date	Result (µg/L)
4/25/2018	ND
7/11/2018	0.52
10/10/2018	ND

Legend

- Monitoring Well
- Extraction Well

N

0 50 100 Feet

Prepared/Date: BRP 05-26-21
Checked/Date: KAA 05-26-21

2021 Periodic Review Report
Franklin Cleaners Site (130050)
Village of Hempstead, New York

MACTEC

Groundwater PCE Concentration Map, 2018

Project 3616206123 Figure 2.2

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Image Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

EW-2	
Date	Result (µg/L)
1/29/2019	25
4/23/2019	18
7/24/2019	18
10/16/2019	25

EW-1	
Date	Result (µg/L)
1/29/2019	1.7
4/23/2019	1.4
7/24/2019	1.1
10/16/2019	1.1

ASMW-1	
Date	Result (µg/L)
1/29/2019	74
4/23/2019	50
7/2/2019	54
10/15/2019	33

ASMW-2	
Date	Result (µg/L)
1/29/2019	1.8
4/23/2019	15
7/2/2019	15
10/16/2019	12

ASMW-3	
Date	Result (µg/L)
1/29/2019	ND
4/23/2019	ND
7/3/2019	ND
10/15/2019	ND

ASMW-4	
Date	Result (µg/L)
1/23/2019	ND
4/24/2019	ND
7/3/2019	ND
10/15/2019	ND

ASMW-5	
Date	Result (µg/L)
1/23/2019	ND
4/24/2019	ND
7/3/2019	ND
10/15/2019	ND

ASMW-7	
Date	Result (µg/L)
1/29/2019	ND
4/24/2019	ND
7/2/2019	ND
10/16/2019	ND

ASMW-6	
Date	Result (µg/L)
1/23/2019	ND
4/24/2019	ND
7/2/2019	ND
10/16/2019	ND

Legend

- Monitoring Well
- Extraction Well

N

0 50 100 Feet

Prepared/Date: BRP 05-26-21
Checked/Date: KAA 05-26-21

2021 Periodic Review Report
Franklin Cleaners Site (130050)
Village of Hempstead, New York

MACTEC

Groundwater PCE Concentration Map, 2019

Project 3616206123 Figure 2.3

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Image Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

EW-2	
Date	Result (µg/L)
1/8/2020	20
7/15/2020	10

EW-1	
Date	Result (µg/L)
1/8/2020	1.1
7/15/2020	1.6

ASMW-1	
Date	Result (µg/L)
1/8/2020	24
7/15/2020	14

ASMW-2	
Date	Result (µg/L)
1/8/2020	4.4
7/15/2020	5.1

ASMW-3	
Date	Result (µg/L)
1/8/2020	ND
7/14/2020	ND

ASMW-4	
Date	Result (µg/L)
1/8/2020	ND
7/14/2020	ND

ASMW-5	
Date	Result (µg/L)
1/8/2020	ND
7/14/2020	ND

ASMW-7	
Date	Result (µg/L)
1/8/2020	ND
7/14/2020	ND

ASMW-6	
Date	Result (µg/L)
1/8/2020	ND
7/14/2020	ND

Legend

- Monitoring Well
- Extraction Well

N

0 50 100 Feet

Prepared/Date: BRP 05-26-21
Checked/Date: KAA 05-26-21

2021 Periodic Review Report
Franklin Cleaners Site (130050)
Village of Hempstead, New York

MACTEC

Groundwater PCE Concentration Map, 2020

Project 3616206123 Figure 2.4

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TABLES

Table 2.1: Long-Term Monitoring Sampling Matrix

Sample Location	Sampling Frequency	Analytical Parameters			Sample Description
	Every Fifth Quarter	VOCs (EPA Method 8260C)	1,4-Dioxane (EPA Method 8270D SIM)	PFAS (EPA Method 537 Modified)	
ASMW-1	X	X	X	X	Grab
ASMW-2	X	X	X	X	Grab
ASMW-3	X	X	X	X	Grab
ASMW-4	X	X	X	X	Grab
ASMW-5	X	X	X	X	Grab
ASMW-6	X	X	X	X	Grab
ASMW-7	X	X	X	X	Grab
EW-1 Influent	X	X	X	X	Grab
EW-2 Influent	X	X	X	X	Grab

Notes:

EPA = Environmental Protection Agency
PFAS = Per- and polyfluoroalkyl substances
SIM = Selected ion monitoring
VOCs = Volatile organic compounds

Prepared by: KAA 05/24/2021
Checked by:

Table 2.2: Groundwater Monitoring Results - Volatile Organic Compounds

			Location	ASMW-1		ASMW-1		ASMW-1		ASMW-1		ASMW-1		ASMW-1		ASMW-1		ASMW-1		ASMW-1		ASMW-2	
			Sample Date	4/25/2018		7/5/2018		10/10/2018		10/10/2018		1/29/2019		4/23/2019		7/2/2019		10/15/2019		1/8/2020		7/15/2020		4/25/2018	
			Sample ID	ASMW-1-20180425		ASMW-1-20180705		ASMW-1-20181010		ASMWX-20181010		ASMW-1		ASMW-1		ASMW-1		ASMW-1		ASMW-1		ASMW-1		ASMW-2-20180425	
			QC Code	FS		FS		FS		FD		FS		FS		FS		FS		FS		FS		FS	
Parameter	**GA**	**GV**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs (µg/L)																									
1,1,1-Trichloroethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethene	5	NS		1	UT	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UT
1,2,3-Trichlorobenzene	5	NS		1	U	1	U	1	UJ	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2,4-Trichlorobenzene	5	NS		1	U	1	U	1	UJ	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromo-3-chloropropane	0.04	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromoethane	0.0006	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloroethane	0.6	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	1	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	3	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Butanone	NS	50		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	NS	50		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	NS	NS		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetic acid, methyl ester	NS	NS		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	NS	50		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzene	1	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U
Bromochloromethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane	NS	50		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform	NS	50		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	NS	60		1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U
Carbon tetrachloride	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	7	NS		**0.27**	J	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloromethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,2-Dichloroethene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene	0.4	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	NS	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dibromochloromethane	NS	50		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U
Isopropylbenzene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U
Methyl cyclohexane	NS	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U
Methyl Tertbutyl Ether	NS	10		**0.15**	J	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methylene chloride	5	NS		1	UT	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UT
Styrene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethene	5	NS		**20**		**56**		**47**		**51**		**74**		**50**		**54**		**33**		**24**		**14**		**3.3**	
Toluene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	NS		1	UT	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UT
trans-1,3-Dichloropropene	0.4	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichlorofluoromethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl chloride	2	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylene, o	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U
Xylenes (m&p)	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U

Created by: KMS 06/07/2021
Checked by: KAA 06/08/2021

Table 2.2: Groundwater Monitoring Results - Volatile Organic Compounds

	Location		ASMW-2		ASMW-2		ASMW-2		ASMW-2		ASMW-2		ASMW-2		ASMW-2		ASMW-2		ASMW-2	
	Sample Date		4/25/2018		7/5/2018		7/5/2018		10/26/2018		1/29/2019		1/29/2019		4/23/2019		4/23/2019		7/2/2019	
	Sample ID		ASMW-X-20180425		ASMW-2-20180705		ASMW-X-20180705		ASMW-2-20181026		ASMW-2		ASMW-X		ASMW-2		ASMW-X		ASMW-2	
	QC Code		FD		FS		FD		FS		FS		FD		FS		FD		FS	
Parameter	**GA**	**GV**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs (µg/L)																				
1,1,1-Trichloroethane	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
1,1,2,2-Tetrachloroethane	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 UJ	
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
1,1,2-Trichloroethane	1	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
1,1-Dichloroethane	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
1,1-Dichloroethene	5	NS	1 UT		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
1,2,3-Trichlorobenzene	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
1,2,4-Trichlorobenzene	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
1,2-Dibromo-3-chloropropane	0.04	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
1,2-Dibromoethane	0.0006	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
1,2-Dichlorobenzene	3	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
1,2-Dichloroethane	0.6	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
1,2-Dichloropropane	1	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
1,3-Dichlorobenzene	3	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
1,4-Dichlorobenzene	3	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
2-Butanone	NS	50	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
2-Hexanone	NS	50	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
4-Methyl-2-pentanone	NS	NS	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
Acetic acid, methyl ester	NS	NS	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
Acetone	NS	50	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
Benzene	1	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 UJ	
Bromochloromethane	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Bromodichloromethane	NS	50	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Bromoform	NS	50	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Bromomethane	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Carbon disulfide	NS	60	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 UJ	
Carbon tetrachloride	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Chlorobenzene	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Chloroethane	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Chloroform	7	NS	1 U		1 U		1 U		**0.33** J		1 U		1 U		1 U		1 U		1 U	
Chloromethane	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
cis-1,2-Dichloroethene	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
cis-1,3-Dichloropropene	0.4	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Cyclohexane	NS	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Dibromochloromethane	NS	50	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Dichlorodifluoromethane	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Ethylbenzene	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 UJ	
Isopropylbenzene	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 UJ	
Methyl cyclohexane	NS	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 UJ	
Methyl Tertbutyl Ether	NS	10	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Methylene chloride	5	NS	1 UT		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Styrene	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Tetrachloroethene	5	NS	**2.6**		**4.5**		**4.3**		**5.7**		**1.8**		**2**		**15**		**16**		**15**	
Toluene	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
trans-1,2-Dichloroethene	5	NS	1 UT		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
trans-1,3-Dichloropropene	0.4	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Trichloroethene	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Trichlorofluoromethane	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Vinyl chloride	2	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Xylene, o	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 UJ	
Xylenes (m&p)	5	NS	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 UJ	

	Location		ASMW-2		ASMW-2		ASMW-2	
	Sample Date		10/16/2019		10/16/2019			
	Sample ID		ASMW-2		ASMWX			
	QC Code		FS		FD			
Parameter	**GA**	**GV**	Result	Qualifier	Result	Qualifier		
VOCs (µg/L)								
1,1,1-Trichloroethane	5	NS	1 U		1 U			
1,1,2,2-Tetrachloroethane	5	NS	1 U		1 U			
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5	NS	1 U		1 U			
1,1,2-Trichloroethane	1	NS	1 U		1 U			
1,1-Dichloroethane	5	NS	1 U		1 U			
1,1-Dichloroethene	5	NS	1 U		1 U			
1,2,3-Trichlorobenzene	5	NS	1 U		1 U			
1,2,4-Trichlorobenzene	5	NS	1 U		1 U			
1,2-Dibromo-3-chloropropane	0.04	NS	1 U		1 U			
1,2-Dibromoethane	0.0006	NS	1 U		1 U			
1,2-Dichlorobenzene	3	NS	1 U		1 U			
1,2-Dichloroethane	0.6	NS	1 U		1 U			
1,2-Dichloropropane	1	NS	1 U		1 U			
1,3-Dichlorobenzene	3	NS	1 U		1 U			
1,4-Dichlorobenzene	3	NS	1 U		1 U			
2-Butanone	NS	50	5 U		5 U			
2-Hexanone	NS	50	5 U		5 U			
4-Methyl-2-pentanone	NS	NS	5 U		5 U			
Acetic acid, methyl ester	NS	NS	5 U		5 U			
Acetone	NS	50	5 U		5 U			
Benzene	1	NS	1 U		1 U			
Bromochloromethane	5	NS	1 U		1 U			
Bromodichloromethane	NS	50	1 U		1 U			
Bromoform	NS	50	1 U		1 U			
Bromomethane	5	NS	1 U		1 U			
Carbon disulfide	NS	60	1 U		1 U			
Carbon tetrachloride	5	NS	1 U		1 U			
Chlorobenzene	5	NS	1 U		1 U			
Chloroethane	5	NS	1 U		1 U			
Chloroform	7	NS	1 U		1 U			
Chloromethane	5	NS	1 U		1 U			
cis-1,2-Dichloroethene	5	NS	1 U		1 U			
cis-1,3-Dichloropropene	0.4	NS	1 U		1 U			
Cyclohexane	NS	NS	1 U		1 U			
Dibromochloromethane	NS	50	1 U		1 U			
Dichlorodifluoromethane	5	NS	1 U		1 U			
Ethylbenzene	5	NS	1 U		1 U			
Isopropylbenzene	5	NS	1 U		1 U			
Methyl cyclohexane	NS	NS	1 U		1 U			
Methyl Tertbutyl Ether	NS	10	1 U		1 U			
Methylene chloride	5	NS	1 U		1 U			
Styrene	5	NS	1 U		1 U			
Tetrachloroethene	5	NS	**12**		**11**			
Toluene	5	NS	1 U		1 U			
trans-1,2-Dichloroethene	5	NS	1 U		1 U			
trans-1,3-Dichloropropene	0.4	NS	1 U		1 U			
Trichloroethene	5	NS	1 U		1 U			
Trichlorofluoromethane	5	NS	1 U		1 U			
Vinyl chloride	2	NS	1 U		1 U			
Xylene, o	5	NS	1 U		1 U			
Xylenes (m&p)	5	NS	1 U		1 U			

Created by: KMS 06/07/2021
Checked by: KAA 06/08/2021

Table 2.2: Groundwater Monitoring Results - Volatile Organic Compounds

			Location	ASMW-2		ASMW-2		ASMW-3		ASMW-3		ASMW-3		ASMW-3		ASMW-3		ASMW-3		ASMW-3		ASMW-3	
			Sample Date	1/8/2020		7/15/2020		4/25/2018		7/11/2018		10/10/2018		1/29/2019		4/23/2019		7/3/2019		10/15/2019		1/8/2020		7/14/2020	
			Sample ID	ASMW-2		ASMW-2		ASMW-3-20180425		ASMW3-20180711		ASMW-3-20181010		ASMW-3		ASMW-3		ASMW-3		ASMW-3		ASMW-3		ASMW-3	
			QC Code	FS		FS		FS		FS		FS		FS		FS		FS		FS		FS		FS	
Parameter	**GA**	**GV**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs (µg/L)																									
1,1,1-Trichloroethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethene	5	NS		1	U	1	U	1	UT	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2,3-Trichlorobenzene	5	NS		1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U
1,2,4-Trichlorobenzene	5	NS		1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromo-3-chloropropane	0.04	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromoethane	0.0006	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloroethane	0.6	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	1	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	3	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Butanone	NS	50		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	NS	50		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	NS	NS		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetic acid, methyl ester	NS	NS		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	NS	50		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzene	1	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U
Bromochloromethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane	NS	50		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform	NS	50		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	NS	60		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U
Carbon tetrachloride	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	7	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloromethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,2-Dichloroethene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene	0.4	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	NS	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dibromochloromethane	NS	50		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U
Isopropylbenzene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U
Methyl cyclohexane	NS	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U
Methyl Tertbutyl Ether	NS	10		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methylene chloride	5	NS		1	U	1	U	1	UT	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Styrene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethene	5	NS		**4.4**		**5.1**		1	U	**0.29**	J	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Toluene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	NS		1	U	1	U	1	UT	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,3-Dichloropropene	0.4	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichlorofluoromethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl chloride	2	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylene, o	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U
Xylenes (m&p)	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U

Table 2.2: Groundwater Monitoring Results - Volatile Organic Compounds

			Location	ASMW-4		ASMW-4		ASMW-4		ASMW-4		ASMW-4		ASMW-4		ASMW-4		ASMW-4		ASMW-4		ASMW-5	
			Sample Date	4/25/2018		7/5/2018		10/10/2018		1/23/2019		4/24/2019		7/3/2019		7/3/2019		10/15/2019		1/8/2020		7/14/2020		4/25/2018	
			Sample ID	ASMW-4-20180425		ASMW-4-20180705		ASMW-4-20181010		ASMW-4		ASMW-4		ASMW-4		ASMW-X		ASMW-4		ASMW-4		ASMW-4		ASMW-5-20180425	
			QC Code	FS		FS		FS		FS		FS		FS		FD		FS		FS		FS		FS	
Parameter	**GA**	**GV**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs (µg/L)																									
1,1,1-Trichloroethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5	NS		1	U	1	U	1	U	1	U	1	UJ	1	UJ	1	UJ	1	U	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	NS		1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U
1,1-Dichloroethene	5	NS		1	UT	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UT
1,2,3-Trichlorobenzene	5	NS		1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2,4-Trichlorobenzene	5	NS		1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromo-3-chloropropane	0.04	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromoethane	0.0006	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloroethane	0.6	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	1	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	3	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Butanone	NS	50		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	NS	50		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	NS	NS		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**1.6**	J
Acetic acid, methyl ester	NS	NS		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	NS	50		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	UB
Benzene	1	NS		1	U	1	U	1	U	1	U	1	U	1	UJ	1	UJ	1	U	1	U	1	U	1	U
Bromochloromethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane	NS	50		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform	NS	50		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	NS	60		1	U	1	U	1	U	1	U	1	U	1	UJ	1	UJ	1	U	1	U	1	U	1	U
Carbon tetrachloride	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	7	NS		**0.61**	J	**0.39**	J	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloromethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,2-Dichloroethene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene	0.4	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	NS	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dibromochloromethane	NS	50		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	5	NS		1	U	1	U	1	U	1	U	1	U	1	UJ	1	UJ	1	U	1	U	1	U	1	U
Isopropylbenzene	5	NS		1	U	1	U	1	U	1	U	1	U	1	UJ	1	UJ	1	U	1	U	1	U	1	U
Methyl cyclohexane	NS	NS		1	U	1	U	1	U	1	U	1	U	1	UJ	1	UJ	1	U	1	U	1	U	1	U
Methyl Tertbutyl Ether	NS	10		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U
Methylene chloride	5	NS		1	UT	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UT
Styrene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Toluene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	NS		1	UT	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UT
trans-1,3-Dichloropropene	0.4	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichlorofluoromethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl chloride	2	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylene, o	5	NS		1	U	1	U	1	U	1	U	1	U	1	UJ	1	UJ	1	U	1	U	1	U	1	U
Xylenes (m&p)	5	NS		1	U	1	U	1	U	1	U	1	U	1	UJ	1	UJ	1	U	1	U	1	U	1	U

Table 2.2: Groundwater Monitoring Results - Volatile Organic Compounds

			Location	ASMW-5		ASMW-5		ASMW-5		ASMW-5		ASMW-5		ASMW-5		ASMW-5		ASMW-6		ASMW-6		ASMW-6	
			Sample Date	7/5/2018		10/10/2018		1/23/2019		4/24/2019		7/3/2019		10/15/2019		1/8/2020		7/14/2020		4/25/2018		7/11/2018		10/10/2018	
			Sample ID	ASMW-5-20180705		ASMW-5-20181010		ASMW-5		ASMW-5		ASMW-5		ASMW-5		ASMW-5		ASMW-5		ASMW-6-20180425		ASMW6-20180711		ASMW-6-20181010	
			QC Code	FS		FS		FS		FS		FS		FS		FS		FS		FS		FS		FS	
Parameter	**GA**	**GV**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs (µg/L)																									
1,1,1-Trichloroethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5	NS		1	U	1	U	1	U	1	UJ	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	NS		1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U
1,1-Dichloroethene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UT	1	U	1	U
1,2,3-Trichlorobenzene	5	NS		1	U	1	UJ	1	U	1	U	1	U	1	UT	1	U	1	U	1	U	1	U	1	UJ
1,2,4-Trichlorobenzene	5	NS		1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ
1,2-Dibromo-3-chloropropane	0.04	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromoethane	0.0006	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloroethane	0.6	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	1	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	3	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Butanone	NS	50		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	NS	50		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	NS	NS		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetic acid, methyl ester	NS	NS		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	NS	50		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzene	1	NS		1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U
Bromochloromethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane	NS	50		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform	NS	50		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	NS	60		1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U
Carbon tetrachloride	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	7	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloromethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	UT	1	U	1	U	1	U	1	U	1	U
cis-1,2-Dichloroethene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene	0.4	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	NS	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dibromochloromethane	NS	50		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	UT	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	5	NS		1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene	5	NS		1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U
Methyl cyclohexane	NS	NS		1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U
Methyl Tertbutyl Ether	NS	10		1	U	**0.62**	J	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U
Methylene chloride	5	NS		1	U	1	UB	1	U	1	U	1	U	1	U	1	U	1	U	1	UT	1	U	1	UB
Styrene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	**0.52**	J	1	U
Toluene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UT	1	U	1	U
trans-1,3-Dichloropropene	0.4	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethene	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichlorofluoromethane	5	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl chloride	2	NS		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylene, o	5	NS		1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes (m&p)	5	NS		1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U

Created by: KMS 06/07/2021
Checked by: KAA 06/08/2021

Table 2.2: Groundwater Monitoring Results - Volatile Organic Compounds

	Location		ASMW-6		ASMW-6		ASMW-6		ASMW-6		ASMW-6		ASMW-6		ASMW-7		ASMW-7		ASMW-7		ASMW-7	
	Sample Date		1/23/2019		4/24/2019		7/2/2019		10/16/2019		1/8/2020		1/8/2020		7/14/2020		4/25/2018		7/11/2018		10/10/2018		1/29/2019	
	Sample ID		ASMW-6		ASMW-6		ASMW-6		ASMW-6		ASMW-6		ASMWX		ASMW-6		ASMW-7-20180425		ASMW7-20180711		ASMW-7-20181010		ASMW-7	
	QC Code		FS		FS		FS		FS		FS		FD		FS		FS		FS		FS		FS	
Parameter	**GA**	**GV**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs (µg/L)																								
1,1,1-Trichloroethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5	NS	1	U	1	UJ	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	NS	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethane	5	NS	1	U	1	U	1	U	1	U	1	UJ	1	UJ	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UT	1	U	1	U	1	U
1,2,3-Trichlorobenzene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U
1,2,4-Trichlorobenzene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U
1,2-Dibromo-3-chloropropane	0.04	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromoethane	0.0006	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloroethane	0.6	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	1	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	3	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Butanone	NS	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	NS	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	NS	NS	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetic acid, methyl ester	NS	NS	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	NS	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzene	1	NS	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromochloromethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane	NS	50	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform	NS	50	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	NS	60	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon tetrachloride	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	7	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloromethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	**0.34**	J	1	U	1	U
cis-1,2-Dichloroethene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene	0.4	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	NS	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dibromochloromethane	NS	50	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	5	NS	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene	5	NS	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methyl cyclohexane	NS	NS	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methyl Tertbutyl Ether	NS	10	1	U	1	U	1	U	1	U	1	UJ	1	UJ	1	U	1	U	1	U	1	U	1	U
Methylene chloride	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UT	1	U	1	UB	1	U
Styrene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Toluene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UT	1	U	1	U	1	U
trans-1,3-Dichloropropene	0.4	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichlorofluoromethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl chloride	2	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylene, o	5	NS	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes (m&p)	5	NS	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Created by: KMS 06/07/2021
Checked by: KAA 06/08/2021

Table 2.2: Groundwater Monitoring Results - Volatile Organic Compounds

	Location		ASMW-7		ASMW-7		ASMW-7		ASMW-7		ASMW-7		ASMW-7		EW-1		EW-1		EW-1		EW-1	
	Sample Date		4/24/2019		7/2/2019		10/16/2019		1/8/2020		7/14/2020		7/14/2020		4/25/2018		7/11/2018		10/10/2018		1/29/2019		4/23/2019	
	Sample ID		ASMW-7		ASMW-7		ASMW-7		ASMW-7		ASMW-7		ASMW-X		EW-1-20180425		EW-1-20180711		EW-1-20181010		EW-1		EW-1	
	QC Code		FS		FS		FS		FS		FS		FD		FS		FS		FS		FS		FS	
Parameter	**GA**	**GV**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs (µg/L)																								
1,1,1-Trichloroethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5	NS	1	UJ	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	NS	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethane	5	NS	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	UT	1	U	1	U	1	U	1	U
1,2,3-Trichlorobenzene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U
1,2,4-Trichlorobenzene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U
1,2-Dibromo-3-chloropropane	0.04	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromoethane	0.0006	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloroethane	0.6	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	1	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	3	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Butanone	NS	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	NS	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	NS	NS	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetic acid, methyl ester	NS	NS	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	NS	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	UT
Benzene	1	NS	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromochloromethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane	NS	50	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform	NS	50	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	NS	60	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon tetrachloride	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	7	NS	1	U	1	U	1	U	1	U	1	U	1	U	**0.32**	J	1	U	1	U	1	U	1	U
Chloromethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,2-Dichloroethene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene	0.4	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	NS	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dibromochloromethane	NS	50	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	5	NS	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene	5	NS	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methyl cyclohexane	NS	NS	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methyl Tertbutyl Ether	NS	10	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methylene chloride	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	UT	1	U	1	U	1	U	1	U
Styrene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	**2.7**		**2.1**		**1.2**		**1.7**		**1.4**	
Toluene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	UT	1	U	1	U	1	U	1	U
trans-1,3-Dichloropropene	0.4	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichlorofluoromethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl chloride	2	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylene, o	5	NS	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes (m&p)	5	NS	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Table 2.2: Groundwater Monitoring Results - Volatile Organic Compounds

	Location		EW-1		EW-1		EW-1		EW-1		EW-2		EW-2		EW-2		EW-2		EW-2		EW-2	
	Sample Date		7/24/2019		10/16/2019		1/8/2020		7/15/2020		4/25/2018		7/11/2018		10/10/2018		1/29/2019		4/23/2019		7/24/2019		10/16/2019	
	Sample ID		EW-1		EW-1		EW-1		EW-1		EW-2-20180425		EW-2-20180711		EW-2-20181010		EW-2		EW-2		EW-2		EW-2	
	QC Code		FS		FS		FS		FS		FS		FS		FS		FS		FS		FS		FS	
Parameter	**GA**	**GV**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs (µg/L)																								
1,1,1-Trichloroethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethane	5	NS	1	U	1	U	1	U	1	U	**0.48**	J	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethene	5	NS	1	U	1	U	1	U	1	U	**0.55**	J	1	U	1	U	1	U	1	U	1	U	1	U
1,2,3-Trichlorobenzene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U
1,2,4-Trichlorobenzene	5	NS	1	U	1	U	1	UJ	1	U	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U
1,2-Dibromo-3-chloropropane	0.04	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromoethane	0.0006	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloroethane	0.6	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	1	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	3	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Butanone	NS	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	NS	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	NS	NS	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetic acid, methyl ester	NS	NS	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	NS	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzene	1	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromochloromethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane	NS	50	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform	NS	50	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	NS	60	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon tetrachloride	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	7	NS	1	U	1	U	1	U	1	U	**0.25**	J	1	U	1	U	1	U	1	U	1	U	1	U
Chloromethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,2-Dichloroethene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene	0.4	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	NS	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dibromochloromethane	NS	50	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methyl cyclohexane	NS	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methyl Tertbutyl Ether	NS	10	1	U	1	U	1	U	1	U	**0.15**	J	1	U	1	U	1	U	1	U	1	U	1	U
Methylene chloride	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Styrene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethene	5	NS	**1.1**		**1.1**		**1.1**		**1.6**		**45**		**29**		**20**		**25**		**18**		**18**		**25**	
Toluene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,3-Dichloropropene	0.4	NS	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U
Trichloroethene	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichlorofluoromethane	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl chloride	2	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylene, o	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes (m&p)	5	NS	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Created by: KMS 06/07/2021
Checked by: KAA 06/08/2021

Table 2.2: Groundwater Monitoring Results - Volatile Organic Compounds

	Location		EW-2		EW-2	
	Sample Date		1/8/2020		7/15/2020	
	Sample ID		EW-2		EW-2	
	QC Code		FS		FS	
Parameter	**GA**	**GV**	Result	Qualifier	Result	Qualifier
VOCs (µg/L)						
1,1,1-Trichloroethane	5	NS	1	U	1	U
1,1,2,2-Tetrachloroethane	5	NS	1	U	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5	NS	1	U	1	U
1,1,2-Trichloroethane	1	NS	1	U	1	U
1,1-Dichloroethane	5	NS	1	U	1	U
1,1-Dichloroethene	5	NS	1	U	1	U
1,2,3-Trichlorobenzene	5	NS	1	U	1	U
1,2,4-Trichlorobenzene	5	NS	1	UJ	1	U
1,2-Dibromo-3-chloropropane	0.04	NS	1	U	1	U
1,2-Dibromoethane	0.0006	NS	1	U	1	U
1,2-Dichlorobenzene	3	NS	1	U	1	U
1,2-Dichloroethane	0.6	NS	1	U	1	U
1,2-Dichloropropane	1	NS	1	U	1	U
1,3-Dichlorobenzene	3	NS	1	U	1	U
1,4-Dichlorobenzene	3	NS	1	U	1	U
2-Butanone	NS	50	5	U	5	U
2-Hexanone	NS	50	5	U	5	U
4-Methyl-2-pentanone	NS	NS	5	U	5	U
Acetic acid, methyl ester	NS	NS	5	U	5	U
Acetone	NS	50	5	U	5	U
Benzene	1	NS	1	U	1	U
Bromochloromethane	5	NS	1	U	1	U
Bromodichloromethane	NS	50	1	U	1	U
Bromoform	NS	50	1	U	1	U
Bromomethane	5	NS	1	U	1	U
Carbon disulfide	NS	60	1	U	1	U
Carbon tetrachloride	5	NS	1	U	1	U
Chlorobenzene	5	NS	1	U	1	U
Chloroethane	5	NS	1	U	1	U
Chloroform	7	NS	1	U	1	U
Chloromethane	5	NS	1	U	1	U
cis-1,2-Dichloroethene	5	NS	1	U	1	U
cis-1,3-Dichloropropene	0.4	NS	1	U	1	U
Cyclohexane	NS	NS	1	U	1	U
Dibromochloromethane	NS	50	1	U	1	U
Dichlorodifluoromethane	5	NS	1	U	1	U
Ethylbenzene	5	NS	1	U	1	U
Isopropylbenzene	5	NS	1	U	1	U
Methyl cyclohexane	NS	NS	1	U	1	U
Methyl Tertbutyl Ether	NS	10	1	U	1	U
Methylene chloride	5	NS	1	U	1	U
Styrene	5	NS	1	U	1	U
Tetrachloroethene	5	NS	**20**		**10**	
Toluene	5	NS	1	U	1	U
trans-1,2-Dichloroethene	5	NS	1	U	1	U
trans-1,3-Dichloropropene	0.4	NS	1	U	1	U
Trichloroethene	5	NS	1	U	1	U
Trichlorofluoromethane	5	NS	1	U	1	U
Vinyl chloride	2	NS	1	U	1	U
Xylene, o	5	NS	1	U	1	U
Xylenes (m&p)	5	NS	1	U	1	U

Notes:
- Bolded values indicate a detection of the corresponding standard.
- Bolded, yellow-shaded values indicate an exceedance of the corresponding standard.
FD = Field duplicate
FS = Field sample
GA = New York State Class GA Standard
GV = Guidance value
NS = No standard
µg/L = micrograms per liter
VOCs = Volatile organic compounds

Quality Control (QC) Codes:
B = Indicates the analyte is detected in the associated blank as well as in the sample
J = The reported value is estimated
T = Indicates that a quality control parameter has exceeded laboratory limits
U = Indicates that the compound was analyzed for, but not detected

Created by: KMS 06/07/2021
Checked by: KAA 06/08/2021

Table 2.3: Groundwater Monitoring Results – Emerging Contaminants

				Location	ASMW-1	ASMW-1	ASMW-1	ASMW-1	ASMW-1	ASMW-2	ASMW-2	ASMW-2	ASMW-2
				Sample Date	4/23/2019	7/2/2019	10/15/2019	1/8/2020	7/15/2020	4/23/2019	4/23/2019	7/2/2019	10/16/2019
				Sample ID	ASMW-1	ASMW-1	ASMW-1	ASMW-1	ASMW-1	ASMW-2	ASMW-X	ASMW-2	ASMW-2
				QC Code	FS	FS	FS	FS	FS	FS	FD	FS	FS
Parameter	**SL**	**GA**	**GV**	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
1,4-Dioxane (µg/L)													
1,4-Dioxane	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
PFAS (ng/L)													
6:2 Fluorotelomer sulfonate (6:2 FTS)	100	NS	NS	17 U	18 U	17 U	18 U		16 U	16 U	20 U	19 U	
8:2 Fluorotelomer sulfonate (8:2 FTS)	100	NS	NS	17 U	18 U	17 U	18 U		16 U	16 U	20 U	19 U	
N-ethyl perfluorooctane-sulfonamidoacetic acid (N-EtFOSAA)	100	NS	NS	17 U	18 U	17 U	18 U		16 U	16 U	20 U	19 U	
N-methyl perfluorooctane-sulfonamidoacetic acid (N-MeFOSAA)	100	NS	NS	17 U	18 U	17 U	18 U		16 U	16 U	20 U	19 U	
Perfluorobutanesulfonic acid (PFBS)	100	NS	NS	**3.6**	**3.4**	**3.3**	**3.4**		**3.7**	**2.4**	**2.7**	**2.4**	
Perfluorobutanoic acid (PFBA)	100	NS	NS	**6.9**	**6.8**	**6.5**	**7**		**6.9**	**7.5**	**6.8**	**7.9**	
Perfluorodecanesulfonic acid (PFDS)	100	NS	NS	1.7 U	1.8 U	1.7 U	1.8 U		1.6 U	1.6 U	2 U	1.9 U	
Perfluorodecanoic acid (PFDA)	100	NS	NS	1.7 U	1.8 U	1.7 U	1.8 U		1.6 U	1.6 U	2 U	1.9 U	
Perfluorododecanoic acid (PFDoA)	100	NS	NS	1.7 U	1.8 U	1.7 U	1.8 U		1.6 U	1.6 U	2 U	1.9 U	
Perfluoroheptanesulfonic acid (PFHpS)	100	NS	NS	1.7 U	1.8 U	1.7 U	1.8 U		1.6 U	1.6 U	2 U	1.9 U	
Perfluoroheptanoic acid (PFHpA)	100	NS	NS	**11**	**10**	**9.3**	**9.3**		**11**	**11**	**11**	**11**	
Perfluorohexanesulfonic acid (PFHxS)	100	NS	NS	**6.2**	**5.8**	**7.5**	**6.3**		**6.7**	**6.9**	**6.4**	**6.4**	
Perfluorohexanoic acid (PFHxA)	100	NS	NS	**9.8**	**11**	**10**	**11**		**12**	**14**	**12**	**12**	
Perfluorononanoic acid (PFNA)	100	NS	NS	1.7 U	**2.5**	**1.9**	**1.8**		**1.9**	1.6 U	**2.4**	**2.1**	
Perfluorooctanesulfonamide (FOSA)	100	NS	NS	1.7 U	9 U	8.5 U	1.8 U		1.6 U	1.6 U	9.9 U	1.9 U	
Perfluorooctanesulfonic acid (PFOS)	10	NS	NS	**13**	**17**	**21**	**15**		**18**	**20**	**22**	**20**	
Perfluorooctanoic acid (PFOA)	10	NS	NS	**27**	**28**	**28**	**25**		**30**	**30**	**30**	**31**	
Perfluoropentanoic acid (PFPeA)	100	NS	NS	**18**	**11**	**10**	**10**		**18**	**19**	**12**	**12**	
Perfluorotetradecanoic acid (PFTeDA)	100	NS	NS	1.7 U	1.8 U	1.7 U	1.8 U		1.6 U	1.6 U	2 U	1.9 U	
Perfluorotridecanoic acid (PFTrDA)	100	NS	NS	1.7 U	1.8 U	1.7 U	1.8 U		1.6 U	1.6 U	2 U	1.9 U	
Perfluoroundecanoic acid (PFUnDA)	100	NS	NS	1.7 U	1.8 U	1.7 U	1.8 U		1.6 U	1.6 U	2 U	1.9 U	
Sum PFAS*	500	NS	NS	**95.5**	**95.5**	**97.5**	**88.8**		**108.2**	**110.8**	**105.3**	**104.8**	

Notes:
- Bolded values indicate a detection of the corresponding NYSDEC screening level.
- Bolded, gray-shaded values indicate an exceedance of the corresponding NYSDEC screening level.

FD = Field duplicate
FS = Field sample
GA = New York State Class GA Standard
GV = Guidance value
NS = No standard
SL = Screening level
µg/L = micrograms per liter
ng/L = nanograms per liter

Quality Control (QC) Codes:
H = Biased high
J = The reported value is estimated
U = Indicates that the compound was analyzed for, but not detected

* = Total PFAS concentration (including PFOA and PFOS) screening level (500 ng/L) established by NYSDEC DER implemented under 6 NYCRR Part 375.

Created by: KMS 06/07/2021
Checked by: KAA 06/08/2021

Table 2.3: Groundwater Monitoring Results – Emerging Contaminants

				Location	ASMW-2	ASMW-2	ASMW-2	ASMW-3	ASMW-3	ASMW-3	ASMW-3	ASMW-3	ASMW-4
				Sample Date	10/16/2019	1/8/2020	7/15/2020	4/23/2019	7/3/2019	10/15/2019	1/8/2020	7/14/2020	4/24/2019
				Sample ID	ASMWX	ASMW-2	ASMW-2	ASMW-3	ASMW-3	ASMW-3	ASMW-3	ASMW-3	ASMW-4
				QC Code	FD	FS	FS	FS	FS	FS	FS	FS	FS
Parameter	**SL**	**GA**	**GV**	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
1,4-Dioxane (µg/L)													
1,4-Dioxane	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
PFAS (ng/L)													
6:2 Fluorotelomer sulfonate (6:2 FTS)	100	NS	NS	19 U	18 U		18 U	17.4 U	18 U	18 U		17 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	100	NS	NS	19 U	18 U		18 U	17.4 U	18 U	18 U		17 U
N-ethyl perfluorooctane-sulfonamidoacetic acid (N-EtFOSAA)	100	NS	NS	19 U	18 U		18 U	17.4 U	18 U	18 U		17 U
N-methyl perfluorooctane-sulfonamidoacetic acid (N-MeFOSAA)	100	NS	NS	19 U	18 U		18 U	17.4 U	18 U	18 U		17 U
Perfluorobutanesulfonic acid (PFBS)	100	NS	NS	**2.5**	**3.2**		**4.7**	**4.41**	**4.7**	**6.7**	**9.4**	**3**
Perfluorobutanoic acid (PFBA)	100	NS	NS	**8.2**	**6.4**		**9.4**	**13.6**	**16**	**12**		**5.2**
Perfluorodecanesulfonic acid (PFDS)	100	NS	NS	1.9 U	1.8 U		1.8 U	1.74 U	1.8 U	1.8 U		1.7 U
Perfluorodecanoic acid (PFDA)	100	NS	NS	1.9 U	1.8 U		1.8 U	**0.66** J	1.8 U	1.8 U		1.7 U
Perfluorododecanoic acid (PFDoA)	100	NS	NS	1.9 U	1.8 U		1.8 U	1.74 U	1.8 U	1.8 U		1.7 U
Perfluoroheptanesulfonic acid (PFHpS)	100	NS	NS	1.9 U	1.8 U		1.8 U	**0.88** J	1.8 U	1.8 U		1.7 U
Perfluoroheptanoic acid (PFHpA)	100	NS	NS	**12**	**8.6**		**13**	**19.4**	**25**	**14**	**12**	**4.7**
Perfluorohexanesulfonic acid (PFHxS)	100	NS	NS	**6.9**	**6.4**		**5.1**	**4.5**	**4**	**6.6**	**13**	**2.9**
Perfluorohexanoic acid (PFHxA)	100	NS	NS	**14**	**9.7**		**18**	**25.2**	**34**	**21**		**5.3**
Perfluorononanoic acid (PFNA)	100	NS	NS	**2.4**	**2.4**		**4.2**	**4.62**	**4.9**	**6.8**	**12**	1.7 U
Perfluorooctanesulfonamide (FOSA)	100	NS	NS	1.9 U	1.8 U		1.8 U	1.74 U	8.9 U	1.8 U		1.7 U
Perfluorooctanesulfonic acid (PFOS)	10	NS	NS	**22**	**20**		**18**	**21.6**	**27**	**23**	**27**	**7.4**
Perfluorooctanoic acid (PFOA)	10	NS	NS	**33**	**24**		**39**	**42.6**	**40**	**35**	**32**	**16**
Perfluoropentanoic acid (PFPeA)	100	NS	NS	**13**	**10**		**32**	**35.6**	**49**	**29**		**6.5**
Perfluorotetradecanoic acid (PFTeDA)	100	NS	NS	1.9 U	1.8 U		1.8 U	1.74 U	1.8 U	1.8 U		1.7 U
Perfluorotridecanoic acid (PFTrDA)	100	NS	NS	1.9 U	1.8 U		1.8 U	1.74 U	1.8 U	1.8 U		1.7 U
Perfluoroundecanoic acid (PFUnDA)	100	NS	NS	1.9 U	1.8 U		1.8 U	1.74 U	1.8 U	1.8 U		1.7 U
Sum PFAS*	500	NS	NS	**114**	**90.7**		**143.4**	**173.07**	**204.6**	**154.1**	**105.4**	**51**

Notes:
- Bolded values indicate a detection of the corresponding NYSDEC screening level.
- Bolded, gray-shaded values indicate an exceedance of the corresponding NYSDEC screening level.

FD = Field duplicate
FS = Field sample
GA = New York State Class GA Standard
GV = Guidance value
NS = No standard
SL = Screening level
µg/L = micrograms per liter
ng/L = nanograms per liter

Quality Control (QC) Codes:
H = Biased high
J = The reported value is estimated
U = Indicates that the compound was analyzed for, but not detected

* = Total PFAS concentration (including PFOA and PFOS) screening level (500 ng/L) established by NYSDEC DER implemented under 6 NYCRR Part 375.

Created by: KMS 06/07/2021
Checked by: KAA 06/08/2021

Table 2.3: Groundwater Monitoring Results – Emerging Contaminants

				Location	ASMW-4	ASMW-4	ASMW-4	ASMW-4	ASMW-4	ASMW-5	ASMW-5	ASMW-5	ASMW-5
				Sample Date	7/3/2019	7/3/2019	10/15/2019	1/8/2020	7/14/2020	4/24/2019	7/3/2019	10/15/2019	1/8/2020
				Sample ID	ASMW-4	ASMW-X	ASMW-4	ASMW-4	ASMW-4	ASMW-5	ASMW-5	ASMW-5	ASMW-5
				QC Code	FS	FD	FS	FS	FS	FS	FS	FS	FS
Parameter	**SL**	**GA**	**GV**	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
1,4-Dioxane (µg/L)													
1,4-Dioxane	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.28 U	**0.29**	**0.45**	**0.28**	**0.35**	**0.48**	
PFAS (ng/L)													
6:2 Fluorotelomer sulfonate (6:2 FTS)	100	NS	NS	17.9 U	17.8 U	17 U	18 U	17 U	120 UJ	19 U	19 U	18 U	
8:2 Fluorotelomer sulfonate (8:2 FTS)	100	NS	NS	17.9 U	17.8 U	17 U	18 U	17 U	120 UJ	19 U	19 U	18 U	
N-ethyl perfluorooctane-sulfonamidoacetic acid (N-EtFOSAA)	100	NS	NS	17.9 U	17.8 U	17 U	18 U	17 U	120 UJ	19 U	19 U	18 U	
N-methyl perfluorooctane-sulfonamidoacetic acid (N-MeFOSAA)	100	NS	NS	17.9 U	17.8 U	17 U	18 U	17 U	120 UJ	19 U	19 U	18 U	
Perfluorobutanesulfonic acid (PFBS)	100	NS	NS	**2.58**	**2.71**	**4.3**	4.4 U	**2.3**	12 UJ	1.9 U	1.9 U	1.8 U	
Perfluorobutanoic acid (PFBA)	100	NS	NS	**1.78** J	**1.25** J	**5.6**	**6.8**	**5.7**	12 UJ	**5.3**	**5.5**	**5.8**	
Perfluorodecanesulfonic acid (PFDS)	100	NS	NS	1.79 U	1.78 U	1.7 U	1.8 U	1.7 U	12 UJ	1.9 U	1.9 U	1.8 U	
Perfluorodecanoic acid (PFDA)	100	NS	NS	1.79 U	1.78 U	1.7 U	1.8 U	1.7 U	12 UJ	1.9 U	1.9 U	1.8 U	
Perfluorododecanoic acid (PFDoA)	100	NS	NS	1.79 U	1.78 U	1.7 U	1.8 U	1.7 U	12 UJ	1.9 U	1.9 U	1.8 U	
Perfluoroheptanesulfonic acid (PFHpS)	100	NS	NS	1.79 U	1.78 U	1.7 U	1.8 U	1.7 U	12 UJ	1.9 U	1.9 U	1.8 U	
Perfluoroheptanoic acid (PFHpA)	100	NS	NS	**2.05**	**1.93**	**5.9**	**5.6**	**5.2**	12 UJ	**2.9**	**2.7**	**3.1**	
Perfluorohexanesulfonic acid (PFHxS)	100	NS	NS	**1.72** J	**1.75** J	**3.7**	**3.4**	**4.2**	12 UJ	1.9 U	1.9 U	**2.2**	
Perfluorohexanoic acid (PFHxA)	100	NS	NS	**2.44**	**2.12**	**7.3**	**6.8**	**6.9**	12 UJ	**5.3**	**5.3**	**5.4**	
Perfluorononanoic acid (PFNA)	100	NS	NS	**0.37** J	**0.25** J	**1.8**	2 U	1.7 U	12 UJ	1.9 U	1.9 U	1.8 U	
Perfluorooctanesulfonamide (FOSA)	100	NS	NS	1.79 U	1.78 U	8.5 U	1.8 U	1.7 U	12 UJ	9.3 U	1.9 U	1.8 U	
Perfluorooctanesulfonic acid (PFOS)	10	NS	NS	**2.04**	**2.39**	**7.4**	**7.6**	**2.7**	12 UJ	1.9 U	1.9 U	1.8 U	
Perfluorooctanoic acid (PFOA)	10	NS	NS	**5.67**	**4.79**	**20**	**21**	**12**	12 UJ	**3.4**	**3.2**	**3.6**	
Perfluoropentanoic acid (PFPeA)	100	NS	NS	**2.22**	**1.49** J	**6.6**	**7.5**	**6.4**	12 UJ	**5.3**	**5.5**	**6**	
Perfluorotetradecanoic acid (PFTeDA)	100	NS	NS	1.79 U	1.78 U	1.7 U	1.8 U	1.7 U	12 UJ	1.9 U	1.9 U	1.8 U	
Perfluorotridecanoic acid (PFTrDA)	100	NS	NS	1.79 U	1.78 U	1.7 U	1.8 U	1.7 U	12 UJ	1.9 U	1.9 U	1.8 U	
Perfluoroundecanoic acid (PFUnDA)	100	NS	NS	1.79 U	1.78 U	1.7 U	1.8 U	1.7 U	12 UJ	1.9 U	1.9 U	1.8 U	
Sum PFAS*	500	NS	NS	**20.87**	**18.68**	**62.6**	**58.7**	**45.4**	0	**22.2**	**22.2**	**26.1**	

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Created by: KMS 06/07/2021
Checked by: KAA 06/08/2021

Table 2.3: Groundwater Monitoring Results – Emerging Contaminants

				Location	ASMW-5	ASMW-6	ASMW-6	ASMW-6	ASMW-6	ASMW-6	ASMW-6	ASMW-7	ASMW-7
				Sample Date	7/14/2020	4/24/2019	7/2/2019	10/16/2019	1/8/2020	1/8/2020	7/14/2020	4/24/2019	7/2/2019
				Sample ID	ASMW-5	ASMW-6	ASMW-6	ASMW-6	ASMW-6	ASMWX	ASMW-6	ASMW-7	ASMW-7
				QC Code	FS	FS	FS	FS	FS	FD	FS	FS	FS
Parameter	**SL**	**GA**	**GV**		Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
1,4-Dioxane (µg/L)													
1,4-Dioxane	NS	NS	NS		**0.45**	**0.2**	0.2 U	0.2 U	**0.59**	0.2 U	0.2 U	0.2 U	0.2 U
PFAS (ng/L)													
6:2 Fluorotelomer sulfonate (6:2 FTS)	100	NS	NS		19 U	17 U	18 U	20 U	18 U	87 UJ		19 U	18 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	100	NS	NS		19 U	17 U	18 U	20 U	18 U	87 UJ		19 U	18 U
N-ethyl perfluorooctane-sulfonamidoacetic acid (N-EtFOSAA)	100	NS	NS		19 U	17 U	18 U	20 U	18 U	87 UJ		19 U	18 U
N-methyl perfluorooctane-sulfonamidoacetic acid (N-MeFOSAA)	100	NS	NS		19 U	17 U	18 U	20 U	18 U	87 UJ		19 U	18 U
Perfluorobutanesulfonic acid (PFBS)	100	NS	NS		1.9 U	1.7 U	1.8 U	2 U	1.8 U	8.7 UJ	**3.9**	**3.2**	**3.5**
Perfluorobutanoic acid (PFBA)	100	NS	NS		**5.7**	1.7 U	1.8 U	2 U	**2.1**	8.7 UJ		**5.8**	**5.6**
Perfluorodecanesulfonic acid (PFDS)	100	NS	NS		1.9 U	1.7 U	1.8 U	2 U	1.8 U	8.7 UJ		1.9 U	1.8 U
Perfluorodecanoic acid (PFDA)	100	NS	NS		1.9 U	1.7 U	1.8 U	2 U	1.8 U	8.7 UJ		1.9 U	1.8 U
Perfluorododecanoic acid (PFDoA)	100	NS	NS		1.9 U	1.7 U	1.8 U	2 U	1.8 U	8.7 UJ		1.9 U	1.8 U
Perfluoroheptanesulfonic acid (PFHpS)	100	NS	NS		1.9 U	1.7 U	1.8 U	2 U	1.8 U	8.7 UJ		1.9 U	1.8 U
Perfluoroheptanoic acid (PFHpA)	100	NS	NS		**2.9**	1.7 U	1.8 U	2 U	1.8 U	**8.7** JH	**6.9**	**7.5**	**7.2**
Perfluorohexanesulfonic acid (PFHxS)	100	NS	NS		**2**	1.7 U	1.8 U	2 U	1.8 U	8.7 UJ	**5.4**	**11**	**10**
Perfluorohexanoic acid (PFHxA)	100	NS	NS		**5.5**	1.7 U	1.8 U	2 U	1.8 U	**10** JH		**9.2**	**8.6**
Perfluorononanoic acid (PFNA)	100	NS	NS		1.9 U	1.7 U	1.8 U	2 U	1.8 U	8.7 UJ	**2.3**	**2.4**	1.8 U
Perfluorooctanesulfonamide (FOSA)	100	NS	NS		1.9 U	1.7 U	9 U	2 U	1.8 U	8.7 UJ		1.9 U	1.8 U
Perfluorooctanesulfonic acid (PFOS)	10	NS	NS		1.9 U	1.7 U	1.8 U	2 U	1.8 U	**18** JH	**15**	**17**	**13**
Perfluorooctanoic acid (PFOA)	10	NS	NS		**3.5**	1.7 U	1.8 U	2 U	1.8 U	**28** JH	**25**	**25**	**21**
Perfluoropentanoic acid (PFPeA)	100	NS	NS		**6**	1.7 U	1.8 U	2 U	**1.9**	**16** JH		**9.3**	**8.8**
Perfluorotetradecanoic acid (PFTeDA)	100	NS	NS		1.9 U	1.7 U	1.8 U	2 U	1.8 U	8.7 UJ		1.9 U	1.8 U
Perfluorotridecanoic acid (PFTrDA)	100	NS	NS		1.9 U	1.7 U	1.8 U	2 U	1.8 U	8.7 UJ		1.9 U	1.8 U
Perfluoroundecanoic acid (PFUnDA)	100	NS	NS		1.9 U	1.7 U	1.8 U	2 U	1.8 U	8.7 UJ		1.9 U	1.8 U
Sum PFAS*	500	NS	NS		**25.6**	0	0	0	**4**	**80.7**	**58.5**	**90.4**	**77.7**

Notes:
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Created by: KMS 06/07/2021
Checked by: KAA 06/08/2021

Table 2.3: Groundwater Monitoring Results – Emerging Contaminants

				Location	ASMW-7	ASMW-7	ASMW-7	ASMW-7	EW-1	EW-1	EW-1	EW-1	EW-1
				Sample Date	10/16/2019	1/8/2020	7/14/2020	7/14/2020	4/23/2019	7/24/2019	10/16/2019	1/8/2020	7/15/2020
				Sample ID	ASMW-7	ASMW-7	ASMW-7	ASMW-X	EW-1	EW-1	EW-1	EW-1	EW-1
				QC Code	FS	FS	FS	FD	FS	FS	FS	FS	FS
Parameter	**SL**	**GA**	**GV**	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
1,4-Dioxane (µg/L)													
1,4-Dioxane	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
PFAS (ng/L)													
6:2 Fluorotelomer sulfonate (6:2 FTS)	100	NS	NS	17 U		19 U	18 U		19 U	18 U	17 U	
8:2 Fluorotelomer sulfonate (8:2 FTS)	100	NS	NS	17 U		19 U	18 U		19 U	18 U	17 U	
N-ethyl perfluorooctane-sulfonamidoacetic acid (N-EtFOSAA)	100	NS	NS	17 U		19 U	18 U		19 U	18 U	17 U	
N-methyl perfluorooctane-sulfonamidoacetic acid (N-MeFOSAA)	100	NS	NS	17 U		19 U	18 U		19 U	18 U	17 U	
Perfluorobutanesulfonic acid (PFBS)	100	NS	NS	**2**	**2.3**	**2.1**	**2.2**	**3.9**	**3.2**	**3.5**	**2**	**2.3**
Perfluorobutanoic acid (PFBA)	100	NS	NS	**7.8**		**7.3**	**6.9**		**5.8**	**5.6**	**7.8**	
Perfluorodecanesulfonic acid (PFDS)	100	NS	NS	1.7 U		1.9 U	1.8 U		1.9 U	1.8 U	1.7 U	
Perfluorodecanoic acid (PFDA)	100	NS	NS	1.7 U		1.9 U	1.8 U		1.9 U	1.8 U	1.7 U	
Perfluorododecanoic acid (PFDoA)	100	NS	NS	1.7 U		1.9 U	1.8 U		1.9 U	1.8 U	1.7 U	
Perfluoroheptanesulfonic acid (PFHpS)	100	NS	NS	1.7 U		1.9 U	1.8 U		1.9 U	1.8 U	1.7 U	
Perfluoroheptanoic acid (PFHpA)	100	NS	NS	**9.9**	**8.6**	**9.5**	**9.6**	**6.9**	**7.5**	**7.2**	**9.9**	**8.6**
Perfluorohexanesulfonic acid (PFHxS)	100	NS	NS	**9.9**	**6.8**	**7**	**6.9**	**5.4**	**11**	**10**	**9.9**	**6.8**
Perfluorohexanoic acid (PFHxA)	100	NS	NS	**11**		**11**	**10**		**9.2**	**8.6**	**11**	
Perfluorononanoic acid (PFNA)	100	NS	NS	1.7 U	2 U	1.9 U	1.8 U	**2.3**	**2.4**	1.8 U	1.7 U	2 U
Perfluorooctanesulfonamide (FOSA)	100	NS	NS	1.7 U		1.9 U	1.8 U		1.9 U	1.8 U	1.7 U	
Perfluorooctanesulfonic acid (PFOS)	10	NS	NS	**13**	**12**	**15**	**11**	**15**	**17**	**13**	**13**	**12**
Perfluorooctanoic acid (PFOA)	10	NS	NS	**24**	**25**	**26**	**22**	**25**	**25**	**21**	**24**	**25**
Perfluoropentanoic acid (PFPeA)	100	NS	NS	**14**		**10**	**11**		**9.3**	**8.8**	**14**	
Perfluorotetradecanoic acid (PFTeDA)	100	NS	NS	1.7 U		1.9 U	1.8 U		1.9 U	1.8 U	1.7 U	
Perfluorotridecanoic acid (PFTrDA)	100	NS	NS	1.7 U		1.9 U	1.8 U		1.9 U	1.8 U	1.7 U	
Perfluoroundecanoic acid (PFUnDA)	100	NS	NS	1.7 U		1.9 U	1.8 U		1.9 U	1.8 U	1.7 U	
Sum PFAS*	500	NS	NS	**91.6**	**54.7**	**87.9**	**79.6**	**58.5**	**90.4**	**77.7**	**91.6**	**54.7**

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Checked by: KAA 06/08/2021

Table 2.3: Groundwater Monitoring Results – Emerging Contaminants

				Location	EW-2		EW-2		EW-2		EW-2		EW-2	
				Sample Date	4/23/2019		7/24/2019		10/16/2019		1/8/2020		7/15/2020	
				Sample ID	EW-2		EW-2		EW-2		EW-2		EW-2	
				QC Code	FS		FS		FS		FS		FS	
Parameter	**SL**	**GA**	**GV**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,4-Dioxane (µg/L)													
1,4-Dioxane	NS	NS	NS	0.2 U		0.2 U		0.2 U		0.2 U		0.2 U	
PFAS (ng/L)													
6:2 Fluorotelomer sulfonate (6:2 FTS)	100	NS	NS	19 U		18 U		18 U		18 U		18 U	
8:2 Fluorotelomer sulfonate (8:2 FTS)	100	NS	NS	19 U		18 U		18 U		18 U		18 U	
N-ethyl perfluorooctane-sulfonamidoacetic acid (N-EtFOSAA)	100	NS	NS	19 U		18 U		18 U		18 U		18 U	
N-methyl perfluorooctane-sulfonamidoacetic acid (N-MeFOSAA)	100	NS	NS	19 U		18 U		18 U		18 U		18 U	
Perfluorobutanesulfonic acid (PFBS)	100	NS	NS	**2.1**		**2.2**		**2.2**		**2.2**		**2.2**	
Perfluorobutanoic acid (PFBA)	100	NS	NS	**7.3**		**6.9**		**6.9**		**6.9**		**6.9**	
Perfluorodecanesulfonic acid (PFDS)	100	NS	NS	1.9 U		1.8 U		1.8 U		1.8 U		1.8 U	
Perfluorodecanoic acid (PFDA)	100	NS	NS	1.9 U		1.8 U		1.8 U		1.8 U		1.8 U	
Perfluorododecanoic acid (PFDoA)	100	NS	NS	1.9 U		1.8 U		1.8 U		1.8 U		1.8 U	
Perfluoroheptanesulfonic acid (PFHpS)	100	NS	NS	1.9 U		1.8 U		1.8 U		1.8 U		1.8 U	
Perfluoroheptanoic acid (PFHpA)	100	NS	NS	**9.5**		**9.6**		**9.6**		**9.6**		**9.6**	
Perfluorohexanesulfonic acid (PFHxS)	100	NS	NS	**7**		**6.9**		**6.9**		**6.9**		**6.9**	
Perfluorohexanoic acid (PFHxA)	100	NS	NS	**11**		**10**		**10**		**10**		**10**	
Perfluorononanoic acid (PFNA)	100	NS	NS	1.9 U		1.8 U		1.8 U		1.8 U		1.8 U	
Perfluorooctanesulfonamide (FOSA)	100	NS	NS	1.9 U		1.8 U		1.8 U		1.8 U		1.8 U	
Perfluorooctanesulfonic acid (PFOS)	10	NS	NS	**15**		**11**		**11**		**11**		**11**	
Perfluorooctanoic acid (PFOA)	10	NS	NS	**26**		**22**		**22**		**22**		**22**	
Perfluoropentanoic acid (PFPeA)	100	NS	NS	**10**		**11**		**11**		**11**		**11**	
Perfluorotetradecanoic acid (PFTeDA)	100	NS	NS	1.9 U		1.8 U		1.8 U		1.8 U		1.8 U	
Perfluorotridecanoic acid (PFTrDA)	100	NS	NS	1.9 U		1.8 U		1.8 U		1.8 U		1.8 U	
Perfluoroundecanoic acid (PFUnDA)	100	NS	NS	1.9 U		1.8 U		1.8 U		1.8 U		1.8 U	
Sum PFAS*	500	NS	NS	**87.9**		**79.6**		**79.6**		**79.6**		**79.6**	

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Created by: KMS 06/07/2021
Checked by: KAA 06/08/2021

APPENDIX A
MAINTENANCE LOGS

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
BCG, EL	4/25/2018 0830-1500	1500		Monitoring		Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description: Conducted quarterly groundwater sampling activities @ ASMW-1 thru ASMW-7, EW-1, EW-2.

BCC, EL	6/29/2018 1000	1500		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description: Conducted groundskeeping including mowing, weeding, clearing of trails to monitoring wells, clearing around monitoring wells, and debris pickup + disposal

DG, EL	7/5/2018 0800	1430		Monitoring		Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description: Conducted quarterly groundwater sampling at ASMW-1, 2, 4, 5

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
PL, BCC	7/11/2018 0800	1400		Monitoring		Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		
Description: Completed quarterly groundwater sampling event. Conducted samplig at ASMW-3,6,7, EW-1, EW-2						
				Monitoring		Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		
Description:						
				Monitoring		Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		
Description:						

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
BC, BCC	10/10/2018 0815	1430		Monitoring		Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description: Collected groundwater samples from ASMW-1, 3, 4, 5, 6, 7, EW-1, 2.
Could not access ASMW-2 due to downed tree.

BC, AD	10/23/2018 0830	1330		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description: Replaced manhole (8"x12") and concrete pad at ASMW-4. Installed LWC and EAK padlock.
Replaced manhole (8"x12") and concrete pad at ASMW-5. Attempted to salvage existing manhole but was unable. Installed LWC and padlock.

BC, AD	10/26/2018 0800	1315		Monitoring	X	Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description: Cut and removed fallen tree. Collected groundwater sample from ASMW-2.
Conducted grounds maintenance — mowed, weed-wacked, debris pickup

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
JB	6/6/19 10:15	11:30		Monitoring	✓	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description: mowed grass. groundskeeping

E.L	6/18/19 08:30	~~13:30~~ ES		Monitoring	X	Maintenance
		13:30		Sampling		Other (Provide Description)
				Alarm Response		

Description:
Conduct grounds keeping activities: mowing - weeding debris pickup clearing paths to wells.

BC	7/1/19 1230	14:30		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description:
CONDUCTED GROUNDSKEEPING ACTIVITIES; MOWING - WACKING DEBRIS PICK UP; CLEARING PATHS TO WELLS

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
RC/JB	7/2/19 8:00	13:30		Monitoring		Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description:
Collected groundwater samples from ASMW-1, 2, & 7. Attempted to sample EW-1 & 2 but could not start system.

BC/RC	7/3/19 7:30	13:00		Monitoring		Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description:
Collected groundwater samples from ASMW-3, 4 & 5 Attempt #2 to sample EW-1 & EW-2 without success. "Ground Fault" error occurred.

BC	7/11/19 8:00	10:30		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description:
Conducted groundskeeping activities; mowing - weed wacking, debris pick-up & clearing paths to wells.

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
PL	7/24/19 / 700	930		Monitoring	X	Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description: Troubleshot / restarted system to sample. Collected water sample from EW-1 + EW-2.

BCC	7/30/19 / 0630	1000		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description: Lawn maintenance, mowing, weed whacking, debris pickup

BCC	8/14/19 / 900	10:30		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description: Lawn Maintenance, mowing, weed whacking + debris pickup.

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
DG	8/29/930	1200		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description: Lawn maintenance, mowing, weed whacking + debris pickup. Trimmed fence line overgrowth.

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
E.L	9/12/19 / 8:30	10:45		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description: Conducted grounds keeping to include debris pickup + disposal mowing, weeding and clearing around + to monitoring wells.

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
RC	9/24/19 / 1130	1430		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description: Conducted grounds keeping: mowing, weed whacking + debris pickup / disposal.

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
BC + EL	10/2/19 / 815	1300		Monitoring	X	Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description:
Met with private marcellus @ 800 to clear work zone. Replaced ASHCO-7 manhole cover + began bollard installation surrounding manhole

BC	10/3/19 / 900	1400		Monitoring	X	Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description:
Continue / complete bollard installation. Grind top of bollards and complete install. Add new combination lock to compound area.

DG	10/11/19 0830	1300		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description:
Grounds keeping and Replace faulty Lock.

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
BCC / EL	10/15/19 / 0830	1415		Monitoring		Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description: Collected groundwater samples from: ASMW-1, ASMW-3 ASMW-4, ASMW-5

BCC / EL	10/16/19 / 0830	1330		Monitoring		Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description: Collected groundwater samples from: ASMW-7, ASMW-6, ASMW-2 EW-1, EW-2

				Monitoring		Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description:

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
DG	9/1/20 1050	1230		Monitoring	✓	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description: LAWN MAINTENANCE & FIRE EXTINGUISHER & EMERGENCY LIGHT INSPECTION TREE TRIMMING

DG	8/19/20 ~~1200~~	~~1430~~		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description: Lawn maintenance

KL	9/15/20 830	1030		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description: Lawn maintence + tree triming / fire Extinquish + Emergency light inspection

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
MF	28 SEP20 0830	1045		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		
Description: LAWN MAINT.						
RC	10/26/20 11:15	13:45		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		
Description: YARD MAINTENANCE						
MF	10/13/20 9:00	1100		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		
Description: Yard maintenance						

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
MF	30 NOV 20 0915	1130		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description: LAWN MAINT.

MF	12/31/20 1015	1215		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description: Lawn Maint.

EL/RC	2/3/21 7:30	10:00		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description: Snow removal - provided site access.

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
PL	2/10/21 8:30	12:00		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		
Description: Meet wood for site transfer.						
				Monitoring		Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		
Description:						
				Monitoring		Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		
Description:						

DAILY INSPECTION REPORT Franklin cleaners

Report No. **(Site Name) - NYSDEC Site No.** Date: 5/28/20

Franklin cleaners

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

NYSDEC Contract No. ~~D011107~~ C100611

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Trisha Vieau

Consultant Site Inspectors: Donald Griffing

Site Location: ~~West Islip~~, New York Hempstead

Weather Conditions

General Description	overcast	AM		PM
Temperature	70's	AM		PM
Wind	Light	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	1102	Departed Site:	1302

LAWN MAintenance

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours

DAILY INSPECTION REPORT Franklin Cleaners

Report No. **(Site Name) - NYSDEC Site No.** Date: 5/28/20

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

DAILY INSPECTION REPORT Franklin Cleaners

Report No. **(Site Name) - NYSDEC Site No.** Date: 5/28/20

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
Before	After
	
Before	After
	
Before	After

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☑	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☐	No ☑ NA
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☑	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☑	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☑	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☑
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☑
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☑
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☑
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☑
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☐ NA
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☑	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☑	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☑	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☑	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☑	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☑	N/A☐
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☑
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☑
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☑
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☑
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☑
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 6/12/20

NYSDEC Division of Environmental Remediation New York State Department of Environmental Conservation	**NYSDEC Contract No. C100611** Superintendent: NYSDEC PM: Payson Long Consultant PM: Trisha Vicale Consultant Site Inspectors: Duchimaza, Augusto
Site Location: Hempstead, New York	

Weather Conditions

General Description		AM		PM
Temperature	80°	(AM)		PM
Wind	10 mph	(AM)		PM

Health & Safety

If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	(No)	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	(NA)
Were there any nuisance issues reported/observed on this date?	*Yes	No	(NA)

Health & Safety Comments

Summary of Work Performed	Arrived at site: 730	Departed Site: 1115	

Lawn + site maintenance

Equipment/Material Tracking

If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	(NA)
Were there any vehicles which were not tarped?	* Yes	No	(NA)
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	(NA)

Personnel and Equipment

Individual	Company	Trade	Total Hours

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

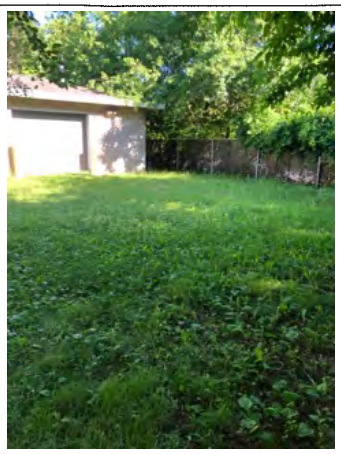
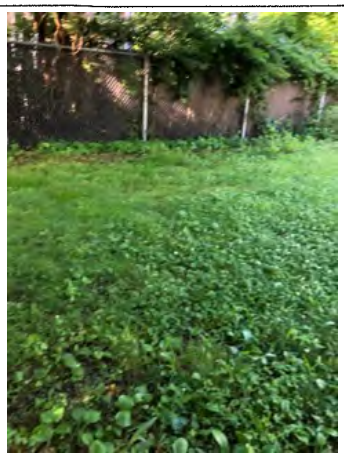
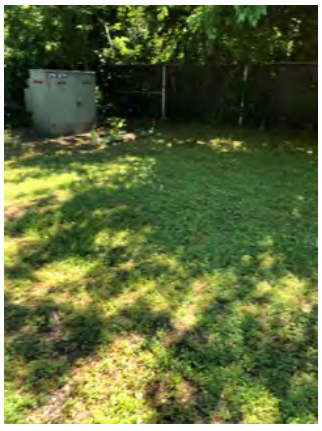
Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
Before	After
	
Before	After
	
Before	After

	
Before	After

Comments

Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☑	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☐	No ☐ N/A ✓
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☑	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☑	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☑	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☑
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☑
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☑
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☑
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☑
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☐ N/A.
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☑	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☑	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☑	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☑	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☑	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☑	N/A ☐
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☑
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☑
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☑
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☑
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☑
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 10/23/20

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

NYSDEC Contract No. C100611

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Trisha Vicale

Consultant Site Inspectors: Donald Griffing

Site Location: Hempstead, New York

Weather Conditions

General Description		AM		PM
Temperature	80°	AM		PM
Wind	10-15mph	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	1000	Departed Site:	1200

Lawn + site maintenance.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 12/23/20

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☑	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☐	No ☐ NA
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☑	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☑	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☑	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☑
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☑
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☑
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☑
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☑ NA
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☐ NA
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☑	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☑	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☑	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☑	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☑	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☑	N/A ☐
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☑
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☑
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☑
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☑
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☑
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 7/10/20

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

NYSDEC Contract No. C100611

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Trisha Vicale

Consultant Site Inspectors: Michael Ford

Site Location: Hempstead, New York

Weather Conditions

General Description	OVCST. RAIN	AM		PM
Temperature	70's	AM		PM
Wind	VARIABLE	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	0815	Departed Site:	1100

SITE AND LANSCAPING MAINTENANCE,

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 7/10/20

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

After

After

After

After

After

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 7/10/20

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☒	N/A ☐
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 7/14/20

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

NYSDEC Contract No. C100611

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Trisha Vicale

Consultant Site Inspectors: PL + AD

Site Location: Hempstead, New York

Weather Conditions

General Description	Sunny	AM		PM
Temperature	75°	AM		PM
Wind	< 5 MPH	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	(No)	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	(No)	NA
Were there any nuisance issues reported/observed on this date?	*Yes	(No)	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	0715	Departed Site:	1330

GWS

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	(No)	NA
Were there any vehicles which were not tarped?	* Yes	(No)	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	(No)	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
P. Lombardo	E.A.R.	Laborer Foreman	8
A. Ouchimaza	E.A.R.	" Tech	8

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 7/14/20

Equipment Description	Contractor/Vendor	Quantity	Used
Generator		1	✓
Geo Pump		1	✓
~~[illegible]~~ water level meter		1	✓
P.I.D.		1	✓
Y.S.I.		1	✓

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

College Employee

Include (insert) figures with markups showing location of work and job progress

SEE site MAP

Site Photographs (Descriptions Below)

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☑	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☒	N/A ☐
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☒	No ☐	N/A ☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 4/15/20

NYSDEC Division of Environmental Remediation	**NYSDEC Contract No. C100611** Superintendent: NYSDEC PM: Payson Long Consultant PM: Trisha Vicale Consultant Site Inspectors: PL + AD
Site Location: Hempstead, New York	

Weather Conditions

General Description		AM		PM
Temperature	80°	(AM)		PM
Wind	10-15 mph	(AM)		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	(No)	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	(No)	NA
Were there any nuisance issues reported/observed on this date?	*Yes	(No)	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	730	Departed Site:	1315

GWS

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	(No)	NA
Were there any vehicles which were not tarped?	* Yes	(No)	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	(No)	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
P. Lombardo	EAR	Foreman	8
A. Duchimaza	EAR	Tech	8

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 7/15/20

Equipment Description	Contractor/Vendor	Quantity	Used
generator		1	Y
geopump		1	Y
water level meter		1	Y
PID		1	Y
YSI		1	Y

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 7/15/20

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☒	N/A ☐
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☒	No ☐	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 7/21/20

NYSDEC Division of Environmental Remediation NEW YORK STATE Department of Environmental Conservation 50	**NYSDEC Contract No. C100611** Superintendent: NYSDEC PM: Payson Long Consultant PM: Trisha Vicale Consultant Site Inspectors: Donald Giffing
Site Location: Hempstead, New York	

Weather Conditions

General Description	RAIN	~~AM~~		PM
Temperature	77°F	(AM)		PM
Wind	5-10mph	(AM)		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	(No)	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	(NA)
Were there any nuisance issues reported/observed on this date?	*Yes	No	(NA)

Health & Safety Comments

Summary of Work Performed	Arrived at site:	0900	Departed Site:	1100

LAWN MAINTENANCE

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	(NA)
Were there any vehicles which were not tarped?	* Yes	No	(NA)
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	(NA)

Personnel and Equipment

Individual	Company	Trade	Total Hours

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 7/24/20

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 7/24/20

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

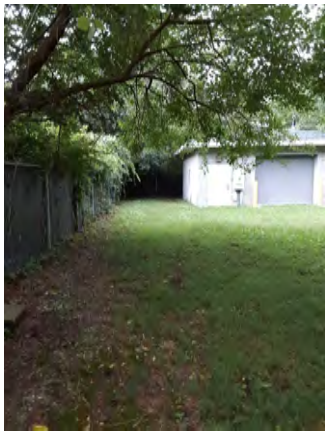
Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 7/24/20

Site Photographs (Descriptions Below)	
	

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☑	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☐	No ☐ N/A
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☑	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☑	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☑	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☑
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☑
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☑
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☑
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☑
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☑	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A ☑
Were there any odors detected on this date?	Yes ☐	No ☐	N/A ☑
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☑
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☑
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A ☑
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☑
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☑
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☑
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☑
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☑
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☑
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 8-7-20

NYSDEC Division of Environmental Remediation			**NYSDEC Contract No. C100611** Superintendent: NYSDEC PM: Payson Long Consultant PM: Trisha Vicale Consultant Site Inspectors: Michael Ford
Site Location: Hempstead, New York			
Weather Conditions			
General Description	BKN CL.	AM	PM
Temperature	75°	AM	PM
Wind	WSW @ 8-10	AM	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No (circled)	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No (circled)	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No (circled)	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site: 930	Departed Site:	1215

GROUNDSKEEPING & INTERIOR INSPECTIONS.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No (circled)	NA
Were there any vehicles which were not tarped?	* Yes	No (circled)	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No (circled)	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 8.7.20

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

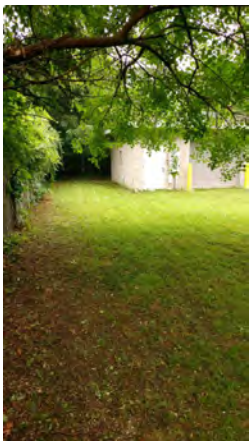
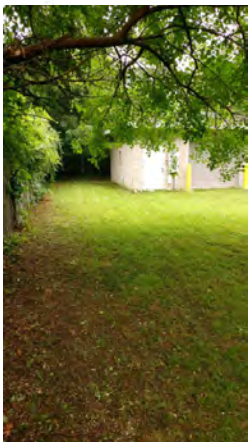
Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
Before	Before
	
After	After

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☐	No ☐	N/A
Is the tail gate safety meeting held outdoors?	Yes ☐	No ☐	N/A
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐	
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐	
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒	
Comments:			

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☒
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☒	N/A ☐
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 8/19/20

NYSDEC Division of Environmental Remediation New York State Department of Environmental Conservation 50	**NYSDEC Contract No. C100611** Superintendent: NYSDEC PM: Payson Long Consultant PM: Trisha Vicale Consultant Site Inspectors: Donald Griffing
Site Location: Hempstead, New York	

Weather Conditions

General Description	RAIN	AM	RAIN	PM
Temperature	70	AM	70	PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No ✓	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No ✓	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No ✓	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	1200	Departed Site:	1430

LAWN MAINTENANCE

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 8/19/20

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 8/19/20

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Before

Before

Before

After

After

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☑	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☐	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☑	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☑	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☑	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☑	No ☐
Comments:		

N/A

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☑
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☑
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☑
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☑
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☑	No ☐
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A ☑
Were there any odors detected on this date?	Yes ☐	No ☐	N/A ☑
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☑
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☑
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A ☑
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☑
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☑
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☑
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☑
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☑
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☑
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 9/1/20

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

NYSDEC Contract No. C100611

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Trisha Vicale

Consultant Site Inspectors: David Griffing

Site Location: Hempstead, New York

Weather Conditions

General Description	Rain	AM		PM
Temperature	70's	AM		PM
Wind	Light	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No ✓	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No ✓	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No ✓	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	1002	Departed Site:	1230

HVAC Maintenance TREE Trimming & Inspection of Fire Extinguisher & Emergency Lights.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 9/1/20

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 9/1/20

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Before

Before

Before

After

After

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☑	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☑	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☑	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☑	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☑	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☑
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☑
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☑
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☑
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☑
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☑	No ☐
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A ☑
Were there any odors detected on this date?	Yes ☐	No ☐	N/A ☑
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☑
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☑
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A ☑
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☑
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☑
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☑
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☑
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☑
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☑
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 9/15/20

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

NYSDEC Contract No. C100611

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Trisha Vicale

Consultant Site Inspectors: Kelvin Lucero ~~Daniel Griffing~~

Site Location: Hempstead, New York

Weather Conditions

General Description	sunny	AM		PM
Temperature	61°	AM		PM
Wind	5	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	0830	Departed Site:	1030

site maintence, Fire Extingisht Emergency light inspection
tree trimming, Lawn ~~maintence~~ maintence

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
~~Daniel Griffing~~ KELVIN LUCERO	~~EAR~~ EAR	~~Equipment~~ Foreman	8

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 9/15/20

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 9/15/20

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

before

before

after

after

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☒	No ☐
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☒	N/A☐
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☐
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 28 SEP 20

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

NYSDEC Contract No. C100611

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Trisha Vicale

Consultant Site Inspectors:

Site Location: Hempstead, New York

Weather Conditions

General Description	OVCST	AM		PM
Temperature	70's	AM		PM
Wind	WNW	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	(No)	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	(NA)
Were there any nuisance issues reported/observed on this date?	*Yes	No	(NA)

Health & Safety Comments

Summary of Work Performed	Arrived at site:	0830	Departed Site:	1045

MAINT. LAWN ETC.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	(No)	NA
Were there any vehicles which were not tarped?	* Yes	(No)	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	(No)	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Michael Ford	EAR	Foreman	2.25

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below) After Photos

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☑	No ☐	
Is the tail gate safety meeting held outdoors?	Yes ☐	No ☐	NA
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	NA
Were personal protective gloves, masks, and eye protection being used?	Yes ☑	No ☐	
Are sanitizing wipes, wash stations or spray available?	Yes ☑	No ☐	
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☑	
Comments:			

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☑	
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☑	
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☑	
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☑	
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☐	NA
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐	
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☑	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☑	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☑	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☑	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☑	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☑	N/A ☐
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☑
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☑
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☑
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☑
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☐
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 10/13/20

NYSDEC Division of Environmental Remediation NEW YORK STATE Department of Environmental Conservation 50	**NYSDEC Contract No. C100611** Superintendent: NYSDEC PM: Payson Long Consultant PM: Trisha Vicale Consultant Site Inspector: MF
Site Location: Hempstead, New York	

Weather Conditions

General Description	light drizzle	AM		PM
Temperature	60	AM		PM
Wind	NNE ~15mph	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	(No)	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	(NA)
Were there any nuisance issues reported/observed on this date?	*Yes	No	(NA)

Health & Safety Comments

Summary of Work Performed	Arrived at site:	900	Departed Site:	1100

Yard Maintenance

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	(No)	NA
Were there any vehicles which were not tarped?	* Yes	(No)	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	(No)	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Michael Ford	EAR	Foreman	2

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 10/13/20

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 10/13/20

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 10/13/20

Site Photographs (Descriptions Below)	

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☑	No ☐	
Is the tail gate safety meeting held outdoors?	Yes ☐	No ☐	NA
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	NA
Were personal protective gloves, masks, and eye protection being used?	Yes ☑	No ☐	
Are sanitizing wipes, wash stations or spray available?	Yes ☑	No ☐	
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☑	
Comments:			

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☑	
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☑	
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☑	
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☑	
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☐	NA
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐	
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☑	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☑	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☑	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☑	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☑	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☑	N/A☐
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☑
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☑
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☑
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☑
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☐
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 10/26/20

NYSDEC
Division of Environmental Remediation

NEW YORK STATE Department of Environmental Conservation

NYSDEC Contract No. C100611

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Trisha Vicale

Consultant Site Inspectors:

Site Location: Hempstead, New York

Weather Conditions

General Description	DRIZZLE	AM		PM
Temperature	58°	AM		PM
Wind	E 10 MPH	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No ✓	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA ✓
Were there any nuisance issues reported/observed on this date?	*Yes	No ✓	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	11:15	Departed Site:	13:45

YARD MAINTENANCE

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments"

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No ✓	NA
Were there any vehicles which were not tarped?	* Yes	No ✓	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA ✓

Personnel and Equipment

Individual	Company	Trade	Total Hours
RC	EAC	FIELD TECH	2 1/2

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 10/26/20

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 10/20/20

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

before

before

after

after

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☑	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☐	No ☐ NA
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐ NA
Were personal protective gloves, masks, and eye protection being used?	Yes ☑	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☐	No ☐ NA
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☑
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☑
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☑
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☑
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☑
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☐ NA
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☑	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☑	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☑	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☑	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☑	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☑
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☑
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☑	N/A☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☑
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☑
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☐
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 11/30/20

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

NYSDEC Contract No. C100611

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Trisha Vicale

Consultant Site Inspectors: MF

Site Location: Hempstead, New York

Weather Conditions

General Description	OVCST - RAIN	AM		PM
Temperature	55°	AM		PM
Wind	SSW @ 14 G 20+	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	9:15	Departed Site:	11:30

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☑	No ☐	
Is the tail gate safety meeting held outdoors?	Yes ☐	No ☐	NA
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	NA
Were personal protective gloves, masks, and eye protection being used?	Yes ☑	No ☐	
Are sanitizing wipes, wash stations or spray available?	Yes ☐	No ☑	
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☑	
Comments:			

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☑
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☑
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☑
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☑
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☑	No ☐
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☑	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☑	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☑
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☑
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A ☑
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☑
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☑
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☑
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☑
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☑
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☐
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 12/31/20

NYSDEC Division of Environmental Remediation — NEW YORK STATE Department of Environmental Conservation	**NYSDEC Contract No. C100611** Superintendent: NYSDEC PM: Payson Long Consultant PM: Trisha Vicale Consultant Site Inspectors:
Site Location: Hempstead, New York	

Weather Conditions

General Description	RAIN	AM		PM
Temperature	48°	AM		PM
Wind	YES!	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA (circled)
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA (circled)
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA (circled)

Health & Safety Comments

Summary of Work Performed	Arrived at site: 1015	Departed Site: 1145	

maint.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA (circled)
Were there any vehicles which were not tarped?	* Yes	No	NA (circled)
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA (circled)

Personnel and Equipment

Individual	Company	Trade	Total Hours

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☐	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☐	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☐	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☐	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☐
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☑
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☑
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☑
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☑
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☑	No ☐
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☑	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☑	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☑
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☑
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A ☑
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☑
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☑
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☑
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☑
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☑
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☐
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 2/3/21

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

NYSDEC Contract No. C100611

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Trisha Vicale

Consultant Site Inspectors: RC/EL

Site Location: Hempstead, New York

Weather Conditions

General Description	Cloudy	AM	Cold	PM
Temperature	34°	AM		PM
Wind	15 mph	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	(No)	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	(NA)
Were there any nuisance issues reported/observed on this date?	*Yes	(No)	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	07:30	Departed Site:	10:30

SNOW REMOVAL

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	(NA)
Were there any vehicles which were not tarped?	* Yes	No	(NA)
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	(NA)

Personnel and Equipment

Individual	Company	Trade	Total Hours
ROB COSTANZO	EAR	TECH	
EDGAR LUCERO	EAR	TECH	

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☑	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☑	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☑	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☑	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☑	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☑
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☑
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☑
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☑
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☑
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☑	No ☐
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☑	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☑	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☑	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☐
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☐
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☑	N/A☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☐
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☑	N/A☐
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☐
Comments:			

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 2/10/21

NYSDEC Division of Environmental Remediation	**NYSDEC Contract No. C100611** Superintendent: NYSDEC PM: Payson Long Consultant PM: Trisha Vicale Consultant Site Inspectors: PL
Site Location: Hempstead, New York	

Weather Conditions

General Description	Partly cloudy	AM		PM
Temperature	27°	AM		PM
Wind	5 mph	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	(No) circled	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	(No) circled	(NA) circled
Were there any nuisance issues reported/observed on this date?	*Yes	(No) circled	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site: 0830		Departed Site: 1200

meet w/ Wood Environmental / transfer of site

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	(NA) circled
Were there any vehicles which were not tarped?	* Yes	No	(NA) circled
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	(NA) circled

Personnel and Equipment

Individual	Company	Trade	Total Hours
PETE Lombardo	E.A.R.	Electrician	4

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 2/10/21

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
Mike Bates	Wood PLC	Yes	No
KATIE AMANN	WOOD	Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing
Pete Lombardo	E.A.R.

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☐	No ☒
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☒
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☒	N/A ☐
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
Comments:			

APPENDIX B
SPDES PERMIT EQUIVALENCY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Bureau of Permits
625 Broadway, Albany, New York 12233-3505
P: (518) 402-8111 | F: (518) 402-9029
www.dec.ny.gov

M E M O R A N D U M

TO: David Gardner
FROM: Percival Miller
SUBJECT: Franklin Cleaners Site 01-30-050
DRAINAGE BASIN: 17-01, Long Island Sound
DATE: October 28, 2016

In response to your request dated October 17, 2016, please find, attached, the effluent limitations and monitoring requirements for the above-noted remediation discharge.

The DOW does not have any regulatory authority over a discharge from a State, PRP, or Federal Superfund Site. DER will be responsible for ensuring compliance with the attached effluent limitations and monitoring requirements, and approval of all engineering submissions. Footnote 1 identifies the appropriate DER Section Chief as the place to send all effluent results, engineering submissions, and modification requests. The Regional Water Engineer should be kept appraised of the status of this discharge and, in accordance with the attached criteria, receive a copy of the effluent results for informational purposes.

If you have any questions, please call me at 518-402-8120.

Attachment (Effluent Limitations and Monitoring Requirements)

cc: Regional Water Engineer (w/attach)
BWP Section Chief, DOW (w/attach)
BWRM Section Chief, DOW (w/attach)

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning **January 01, 2017** and lasting until **December 31, 2021** the discharges from the groundwater treatment facility to SMITH POND, **Water Index Number** (MW8.4a) HB-233-P1005, Class SC, RECEIVING WATER; shall be limited and monitored by the operator as specified below:

Outfall Number and Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Daily Average	Daily Maximum		Measurement Frequency	Sample Type
Outfall 001 - Treated Groundwater Remediation Discharge: Franklin Cleaners Site 1-30-050					
Flow, Total (Extraction Wells)	Monitor	43,920*	GPD	Continuous	Meter
pH, Range	6.5 – 8.5		SU	1/month	Grab
cis-1,2-Dichloroethene		5	µg/l	1/month	Grab
Tetrachloroethene		5	µg/l	1/month	Grab
1,1,1-Trichloroethane		5	µg/l	1/month	Grab
Trichloroethene		5	µg/l	1/month	Grab
Chloroform		7	µg/l	Quarterly	Grab
Methyl tert-Butyl Ether		10	µg/l	Quarterly	Grab
Iron, Total		1.0	mg/l	Quarterly	Grab
Magnesium, Total		1.0	mg/l	Quarterly	Grab

* Total pumping rate, groundwater extraction wells EW-1 and EW-2 (24.5 and 6.0 GPM).

Additional Conditions:

1. Discharge is not authorized until an engineering submission showing the method of treatment has been approved by the Department. The discharge rate may not exceed the effective or design treatment system's 30.5 GPM (43,920 GPD) capacity. All monitoring data, engineering submissions and modification requests must be submitted to:

   Susan L. Edwards, Site Management Chief
   Division of Environmental Remediation
   NYSDEC, 625 Broadway, Albany, New York 12233- 7017, 518-402-9813

   With a copy sent to:

   Regional Water Engineer, Region 1
   50 Circle Rd., Stony Brook, New York, 11790-3409. Phone: (631) 444-0419

2. Only site generated wastewater is authorized for treatment and discharge.

3. Authorization to discharge is valid only for the period noted above, but may be renewed if appropriate. A request for renewal must be received 6 months prior to the expiration date, to allow for a review of monitoring data and reassessment of monitoring requirements.

4. Both concentration (mg/l or µg/l) and mass loadings (lbs/day) must be reported to the Department for all parameters except flow and pH.

5. Any use of corrosion/scale inhibitors, biocidal-type compounds, or other water treatment chemicals used in the treatment process must be approved by the department prior to use.

6. This discharge and administration of this discharge must comply with the substantive requirements of 6NYCRR Part 750.

Review & Basis of Limitations

Site Description

Franklin Cleaners Site 1-30-050 is a NYSDEC Class 4 inactive hazardous waste site, at 2016-208B South Franklin Street, Village of Hempstead, NY. Groundwater contamination with chlorinated solvents is from a former dry cleaning service, first assessed for the NYSDEC's 11/1998 RI/FS, which delineated the contamination plume's subsurface volume and spread, southward and downward, as bounded within the Long Island aquifer standard of 5.0 µg/l, and extending from the GWL at 18 ft. to 100 ft. below grade. Groundwater extraction and cleanup, 11/2003 to 8/2004, used soil vapor extraction, with air sparging. This treatment was shut down based upon that contaminants in the effluent were below NYSDEC soil and water guidelines. Treatment since 2004 involves groundwater extraction and air stripping (GWE&AST), 1,300 ft. upgradient of the site and alongside Southern State Parkway. Flow from two (2) extraction wells screened at 70-90 ft. below grade enters an air stripper, with exhaust gas from the air stripper passed through GAC units before release to air. Air stripper effluent flows to a wet well (AS). The 2012 re-delineation showed plume extension toward the Village of Rockville Centre's water wells cluster. Monitoring wells now provide data on groundwater near the Village's well cluster.

The 2012 plume delineation showed the dominant chlorinated solvent as tetrachloroethene or perchloroethene (PCE), at 30-130 feet below grade. VOCs common to the plume and at lower concentrations (of PCE breakdown products) were trichloroethene, cis-1,2-dichloroethene, and vinyl chloride. Current monitoring and reporting includes for the above contaminants, excluding vinyl chloride; and also for 1,1,1-tetrachloroethene, tetrachloroethene, and iron and manganese.

Effluent Discharge and Receiving Water

The discharge from the GWE&AST is from the wet well to an 18" stormwater sewer running under Woodland Drive near its intersection with Hempstead Avenue, along the Avenue south of the Southern State Highway and east of Molloy College, through the Village of Rockville Centre, and into Smith Pond. This Pond discharges into Mill River flowing south into Reynolds Channel, to the Long Island Sound (Timothy Kelly, hydrologist, Nassau County DPW, 10/18/2016).

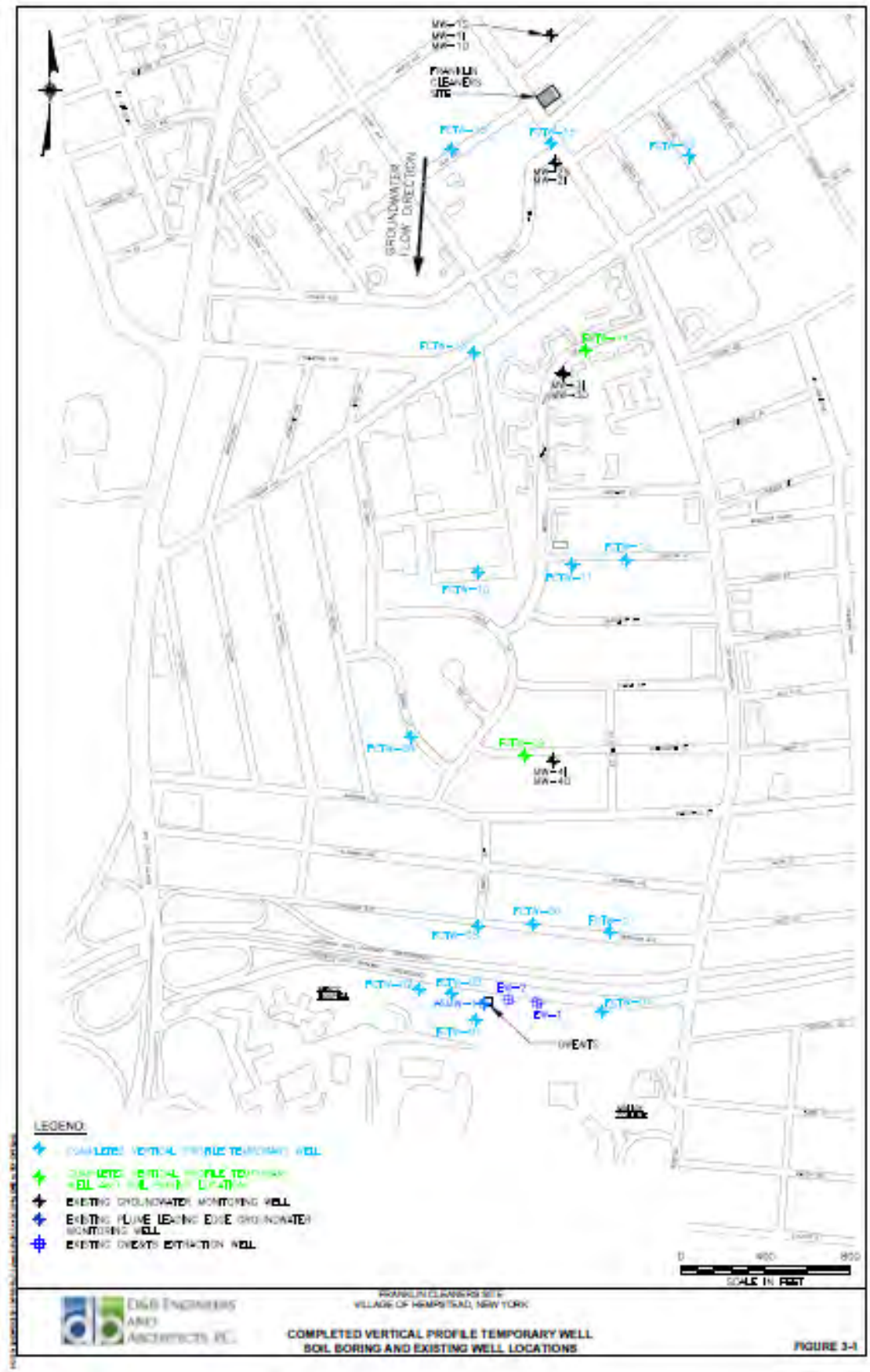
Smith Pond (Smith Lake on maps) is a Class SC marine water indicated in DEC's PI-WPL as impaired for nutrients, coliform, low DO, and chemicals of concern: PCBs, dioxin, cadmium, and chlordane. The Pond is stocked annually with fish, and is part of the NYS Governor's Office of Storm Recovery with the goals: water quality and ecological restoration, groundwater recharge, and as 'water storage space'. Discharge suitability relates effluent quality to goals for Smith Pond.

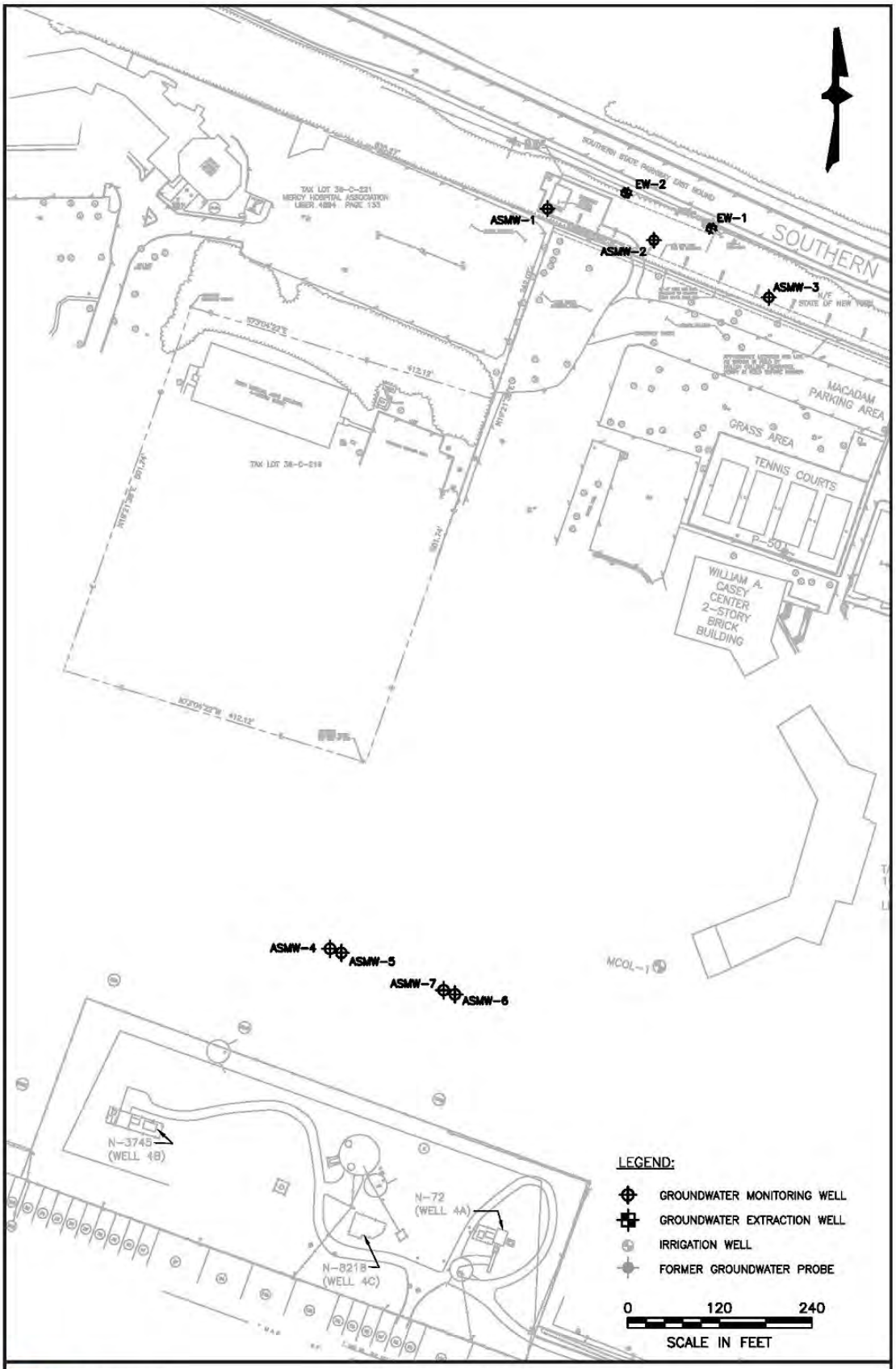
Existing and Proposed Effluent Limitations

Previous effluent limitations were technology-based. Current sampling shows the effluent meets the Long Island groundwater standards. **Smith Pond** planned goals include for groundwater recharge. Limits of 5.0 µg/l are therefore recommended for three chlorinated solvents now reported at /1month: cis-1,2-Dichloroethene, 1,1,1-Trichloroethane, and Trichloroethene - above reporting limits at extraction wells. Methyl tert-butyl ether and Chloroform from wells are below reporting levels, and MTBE is likely related to auto fuel sources: MTBE and Chloroform quarterly is recommended, for background levels. Other monitored parameters, retained with existing limits are: Flow, pH, 1,1-Dichloroethene, Iron, and Manganese;. Chloroform appeared in extraction well EW-2, so monitoring is added. Revised limits are shown below.

Outfall Number and Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Daily Average	Daily Maximum		Measurement Frequency	Sample Type
Outfall 001 - Treated Groundwater Remediation Discharge: Franklin Cleaners Site 1-30-050					
Flow, Total (Extraction)	Monitor	43,920	GP	Continuous	Meter
pH, Range, Min. to Max.	6.5 – 8.5		SU	1/month	Grab
cis-1,2-Dichloroethene		10	µg/l	1/month	Grab
Tetrachloroethene		5	µg/l	1/month	Grab
1,1,1-Trichloroethane		5	µg/l	1/month	Grab
Trichloroethene		5	µg/l	1/month	Grab
Chloroform		5	µg/l	Quarterly	Grab
Methyl tert-Butyl Ether		10	µg/l	Quarterly	Grab
Iron, Total		1.0	mg/l	Quarterly	Grab
Magnesium, Total		1.0	mg/l	Quarterly	Grab

SITE PLAN – MONITORING WELL LOCATIONS



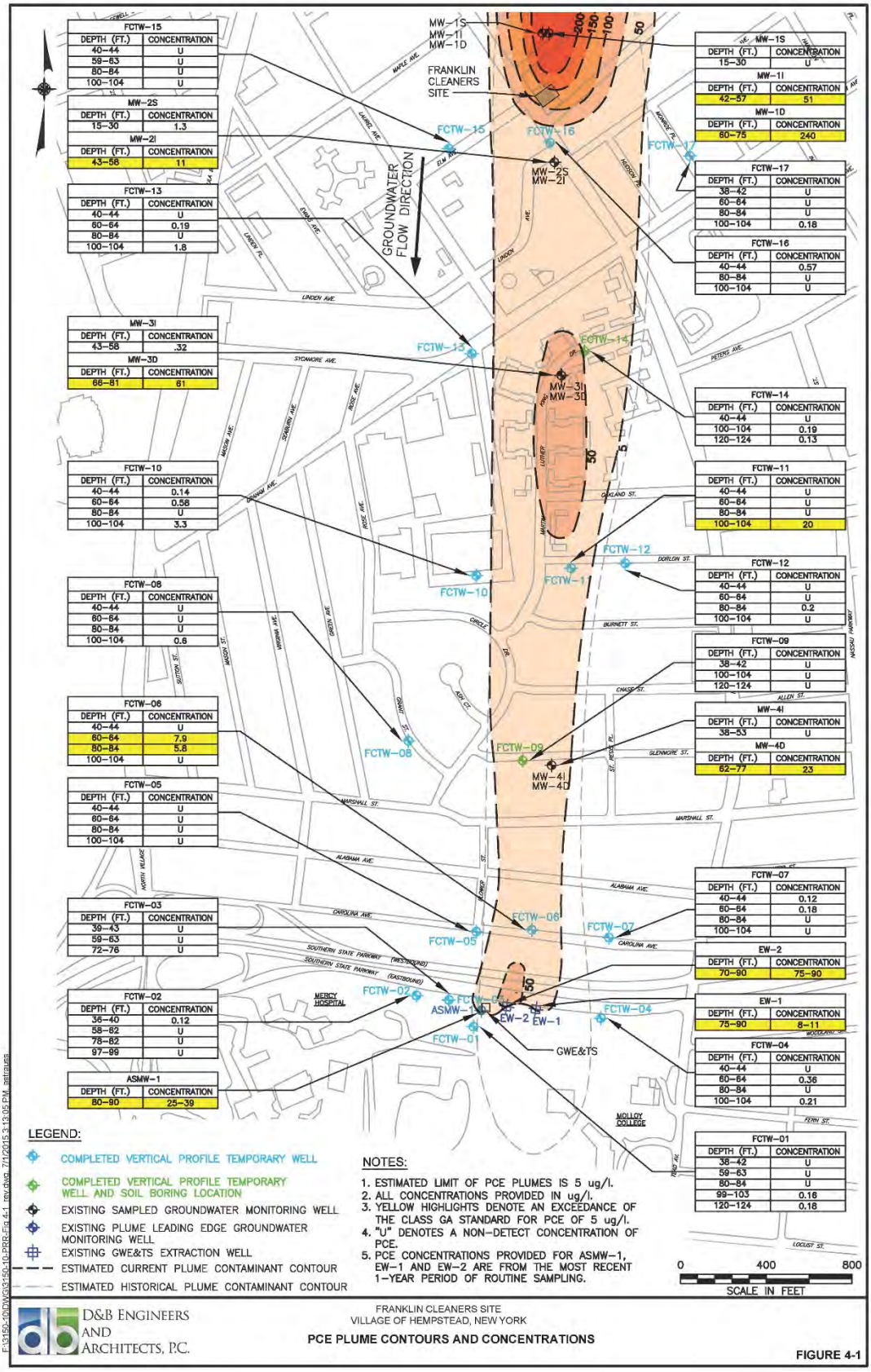


D&B ENGINEERS AND ARCHITECTS, P.C.

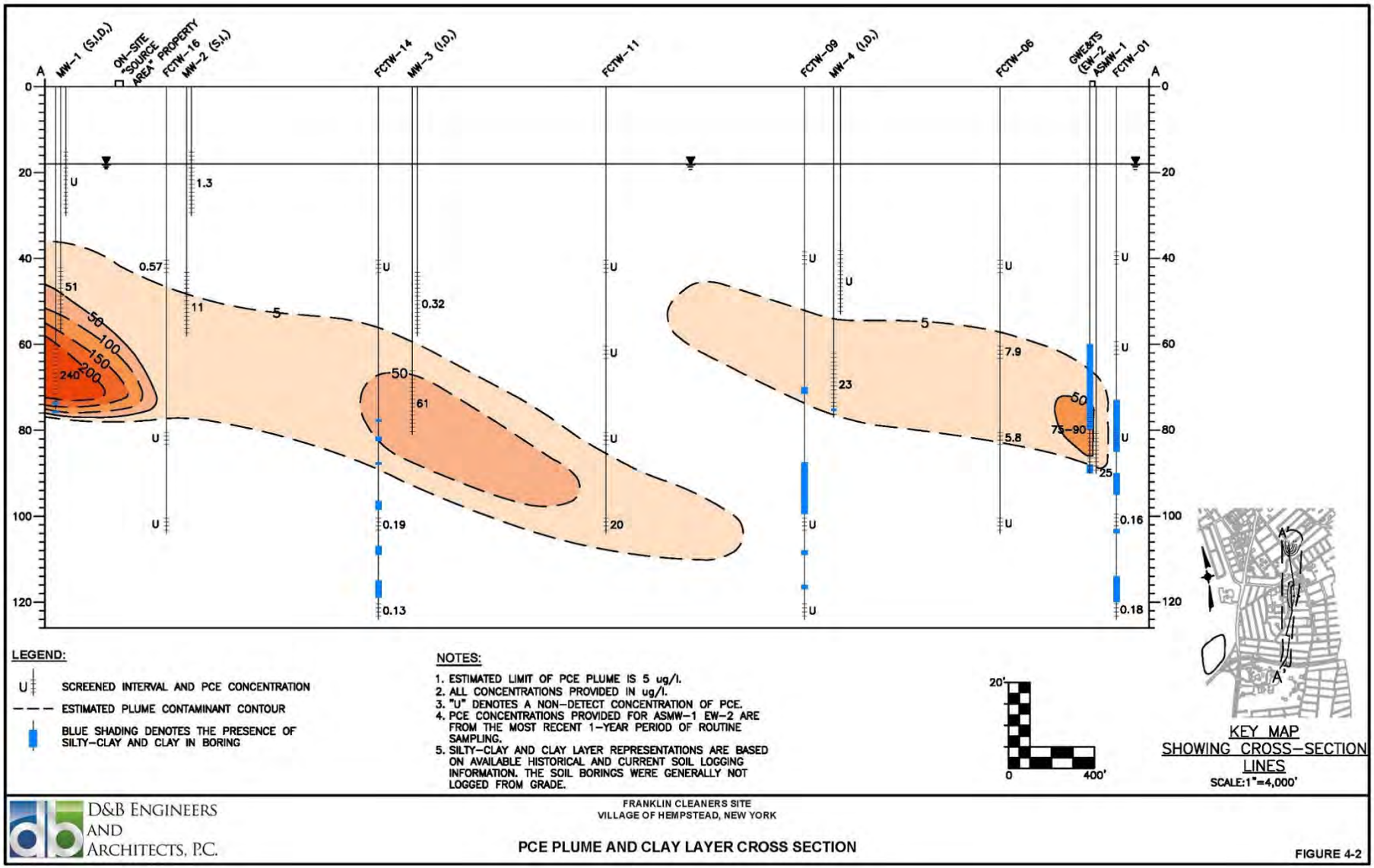
FRANKLIN CLEANERS SITE
VILLAGE OF HEMPSTEAD, NEW YORK
MONITORING WELL LOCATION MAP

FIGURE 2-3

GROUNDWATER PLUME –SOUTHERN STATE HIGHWWAY TO ROCKVILLE CENTRE



GROUNDWATER PLUME CROSS-SECTION



APPENDIX C
MONITORING WELL FIELD INSPECTION LOGS

SITE NAME: DEC - HEMPSTEAD 206

SITE ID.:
INSPECTOR: BC/EC
DATE/TIME: 4/25/18
WELL ID.: ASMW-1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below) BARELY - CLEAR DEBRIS	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-1		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) N/A		
HEADSPACE READING (ppm) AND INSTRUMENT USED	0.3	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/A	
PROTECTIVE CASING MATERIAL TYPE:	N/A	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):		
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	89.41	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	20.02	
MEASURE WELL DIAMETER (Inches):	2	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	METAL	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	UNK	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

GRASS COMPOUND AREA
TRUCK ACCESS.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

see above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

PARKWAY

REMARKS:

M/H needs bolts +

Sketch

SITE NAME: AEC / HEMPSTEAD 206

SITE ID.:
INSPECTOR: BC/EC
DATE/TIME: 4/25/18
WELL ID.: ASMW-2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below) AFTER CLEARING WEEDS	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-2

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) N/A		

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.5
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): N/A
PROTECTIVE CASING MATERIAL TYPE: N/A
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): N/A

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 88.89
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 18.61
MEASURE WELL DIAMETER (Inches): 2
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: METAL
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: UNKNOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
WOODED. BRUSH AREA
No TRUCKS

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
see above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
PARKWAY

REMARKS:
M/H COVER NEEDS BOLTS!

Sketch

SITE NAME: DEC - HEMPSTEAD 206

SITE ID.:
INSPECTOR: AC/EC
DATE/TIME: 4/25/18
WELL ID.: ASMW-3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below) ..... BARELY	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE? ..... AT FIRST BURIED UNDER DEBRIS	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....		
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-3		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED.....	0.0	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/A	
PROTECTIVE CASING MATERIAL TYPE:		
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):		
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	29.19	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	19.06	
MEASURE WELL DIAMETER (Inches):	2	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	METAL	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....	UNK	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

WOODED AREA. WASTELAND OFF PARKING LOT ± 25'

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

see above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

PARKWAY

REMARKS:

EXPANDING PARKING LOT ?

Sketch

SITE NAME: LEC - HEMPSTEAD 206

SITE ID.:
INSPECTOR: BC/EC
DATE/TIME: 4/25/18
WELL ID.: ASMW-4

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-4

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		✓
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) W/ COVER – NO BOLTS		

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.8
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): N/A
PROTECTIVE CASING MATERIAL TYPE: N/A
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): N/A

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 107.71
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 18.69
MEASURE WELL DIAMETER (Inches): 2
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: PLATE
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: UNKNOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
MIDDLE OF DRIVE THRU PARKING LOT

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
see above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
UNKNOWN

REMARKS: NO BOLTS – NO BOLT HOLES

Sketch

SITE NAME: DEC - HEMPSTEAD 206

SITE ID.:
INSPECTOR: BC
DATE/TIME: 4/25/18
WELL ID.: ASMW 5

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: NONE		
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	
HEADSPACE READING (ppm) AND INSTRUMENT USED	1.2 PPM	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/A	
PROTECTIVE CASING MATERIAL TYPE:	N/A	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	N/A	
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	133.7	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 19.06	19.06	
MEASURE WELL DIAMETER (Inches):	2	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	GOOD	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/A	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	UNKNOWN	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
MIDDLE OF PARKING LOT ROADWAY

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
see above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:
CONC. PAD BROKEN — NO WELL ID
RAIN — UNABLE TO ID WELL w/ MARKER

Sketch

SITE NAME: DEC - HEMPSTEAD 206

SITE ID.:
INSPECTOR: BC
DATE/TIME: 4/25/18
WELL ID.: HSMW6

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

A BETTER SITE MAP IS NEEDED

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?		
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		

HEADSPACE READING (ppm) AND INSTRUMENT USED..... PID #04 — 2.2

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)

PROTECTIVE CASING MATERIAL TYPE: .....

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): .....

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): .....

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 18.72

MEASURE WELL DIAMETER (Inches): .....

WELL CASING MATERIAL: ..... PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING: ..... GOOD

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE ..... NO MARKER

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES..... N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

PARKING LOT MEDIAN
NOT GOOD AT PRIME TIME

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

SEE ABOVE

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: DEC - HEMPSTEAD 206

SITE ID.:
INSPECTOR: BE / EL
DATE/TIME: 4/5/18
WELL ID.: MW-7

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: NOT THERE		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		✓
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		✓
HEADSPACE READING (ppm) AND INSTRUMENT USED: UNAVAILABLE DUE TO DEPTH OF HEAD		
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)		
PROTECTIVE CASING MATERIAL TYPE: STEEL		
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): ±10"		
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		—
DID YOU REPLACE THE LOCK?		—
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below) N/A	✓	
WELL MEASURING POINT VISIBLE?		
MEASURE WELL DEPTH FROM MEASURING POINT (Feet): N/A		
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): N/A ±4"		
MEASURE WELL DIAMETER (Inches):		
WELL CASING MATERIAL: STEEL ?		
PHYSICAL CONDITION OF VISIBLE WELL CASING: GOOD		
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE N/A		
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES UNKNOWN		

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK IF NECESSARY.
MIDDLE OF PARKING LOT MEDIAN

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
See above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS: FIBRE GLASS COVER IS CRACKED (see photo's)

Sketch

SITE NAME: DEC Hempstead 206

SITE ID.:
INSPECTOR: ~~DG~~
DATE/TIME: 7/5/18 1207
WELL ID.: ~~ASMW~~-1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-1		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0		
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): MANHOLE STEEL 2FT		
PROTECTIVE CASING MATERIAL TYPE:		
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):		
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	
MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 89.51		
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 21.35		
MEASURE WELL DIAMETER (Inches): ~~2~~ 2"		
WELL CASING MATERIAL: PVC		
PHYSICAL CONDITION OF VISIBLE WELL CASING: GOOD		
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE		
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES		

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS: Temp 15.05 Cond 411 DO 4.84 pH 5.59 ORP -205.4

Time 1253

Sketch

SITE NAME: DG - Hempstead 206

SITE ID.:
INSPECTOR: DG
DATE/TIME: 7/5/18 1304
WELL ID.: ASMW-2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-2

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): MANHOLE
PROTECTIVE CASING MATERIAL TYPE: STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 12

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 88.95
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 20.18
MEASURE WELL DIAMETER (Inches): 2
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:
Temp 15.32 Cond 368 DO 2.63 pH 5.74 ORP -248.0

Sketch

the 1331

SITE NAME: DEC Hempstead 206

SITE ID.: 130050
INSPECTOR: PC
DATE/TIME: 7/11/18
WELL ID.: ASMW 3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.3
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 12" manhole
PROTECTIVE CASING MATERIAL TYPE: steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 10"

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 90.28
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 20.81
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE ✓
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
difficult, by foot only

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
15-20' off parking lot, Wooded, overgrown brush

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
none

REMARKS:

Sketch

SITE NAME: DEC-Hempstead 206

SITE ID.:
INSPECTOR: DG
DATE/TIME: 7/5/18 0821
WELL ID.: ASMW-4

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-4

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0 MINIRAE 3500
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): MONUMENT
PROTECTIVE CASING MATERIAL TYPE: STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 12"

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	✓	
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 106.40
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 19.69
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:
Temp 15.92 Cond 367 DO 3.71 pH 5.51 ORP -133.1

Time 0947

Sketch

SITE NAME: DEC-Hempstead 206

SITE ID.: _____
INSPECTOR: _____
DATE/TIME: 7/5/18 10:05
WELL ID.: ASMW-5

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		✓

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0 MINIRAE 3000
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): MANHOLE
PROTECTIVE CASING MATERIAL TYPE: STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 12"

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 132.22
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 22.19
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: PAINT MARKER
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Concrete pad and manhole in poor condition
Checked

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:
Temp 15.84 Cond 380 DO 0.38 pH 5.34 ORP -268.4
time 11:44

Sketch

DEC Hempstead 206

SITE NAME: DEC Hempstead 206

SITE ID.: 130050
INSPECTOR: PL
DATE/TIME: 7/11/18 0830
WELL ID.: ASMW 6

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0 ppm
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 12" Manhole
PROTECTIVE CASING MATERIAL TYPE: steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 12"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 133.33
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 22.38
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: none

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
easily Accessible

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Parking lot

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
none

REMARKS:

Sketch

SITE NAME: NECHempstead206

SITE ID.: 130050
INSPECTOR: PC
DATE/TIME: 7/4/18
WELL ID.: ASHW7

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		X

HEADSPACE READING (ppm) AND INSTRUMENT USED	—
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	2'x3' Box
PROTECTIVE CASING MATERIAL TYPE:	Fiberglass
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		—
DID YOU REPLACE THE LOCK?		—
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	✓	
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	—
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	—
MEASURE WELL DIAMETER (Inches):	6"
WELL CASING MATERIAL:	Steel
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Easily Accessible

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Parking lot median

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT
(e.g. Gas station, salt pile, etc.):

REMARKS:
Irrigation supply well

Sketch

SITE NAME: DEC - Hempstead 206

SITE ID.: 130050
INSPECTOR: BCC, BC
DATE/TIME: 10/10/18 / 1230
WELL ID.: ASMW-1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW 1

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: —

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Manhole

PROTECTIVE CASING MATERIAL TYPE: Steel

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 12"

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 89.52

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 21.89

MEASURE WELL DIAMETER (Inches): 2.0

WELL CASING MATERIAL: PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING: Good

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: —

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Next to chain link fence

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Set in Grass in compound area

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

—

REMARKS:

Missing 3 bolts, lots of mosquitos

Sketch

SITE NAME: DEC - HEMPSTEAD 206

SITE ID.:
INSPECTOR: DC / AS
DATE/TIME: 10/26/18
WELL ID.: ASMW 2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below) NOW IT IS	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back) VERY RUGHT		
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW 2		

	YES	NO
SURFACE SEAL PRESENT? YES	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): GRADE
PROTECTIVE CASING MATERIAL TYPE: CI / STEEL
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): (M/H = 12")

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 28.74
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 21.72
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: GOOD
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: UNKNOWN

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
DENSE OVER GROWTH
SOMEONE IS STOCKPILING CONSTRUCTION MATERIALS IN AREA

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
EDGE OF TREES

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
VEHICLES / BUILDING

REMARKS:
NO BOLTS, BOLT TABS ARE NO GOOD

Sketch

14.75°F 0.419 s/c 22.2 DO 2.26 DO mg/L 6.17 pH 149.6 ORP

SITE NAME: DEC - Hempstead 206

SITE ID.: 130050
INSPECTOR: BCC/BC
DATE/TIME: 10/10/18/1140
WELL ID.: ASMW-3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW 3

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	—
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	manhole
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12"

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		—

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	89.65
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	20.73
MEASURE WELL DIAMETER (Inches):	2.0
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	—
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Surrounded by brush, clearing will have to be done for major work

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
set in dirt in wooded area behind parking lot

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None

REMARKS:
Missing 1 bolt (9/16")

Sketch

SITE NAME: DEC - Hempstead 206

SITE ID.: 130050
INSPECTOR: BCC BC
DATE/TIME: 10/10/18 / 1000
WELL ID.: A5MW-4

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: A5MW-4

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		✓
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	—
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Manhole
PROTECTIVE CASING MATERIAL TYPE:	steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12"

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	~110'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	20.55
MEASURE WELL DIAMETER (Inches):	2.0"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	—
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
In middle of parking lot, requires cones + traffic control for major work

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
set on asphalt in middle of parking lot driving lane

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:
* Manhole has to be replaced as well cut down, well cap does not find over well
- 2 broken bolts, no bolts

Sketch

SITE NAME: NEC-Hempstead 206

SITE ID.: 130050
INSPECTOR: BCL/BC
DATE/TIME: 10/10/18/1025
WELL ID.: ASMW-5

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW5		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		✓
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED	—	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Manhole	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12"	
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	~133'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	21.43	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	—	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
In middle of parking lot in driving lane, cones & traffic control needed for major work

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Set on asphalt in parking lot

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:
-Concrete pad is heavily cracked, manhole should be replaced

Sketch

SITE NAME: DEC - Hempstead 206

SITE ID.: 130050
INSPECTOR: BCC BC
DATE/TIME: 10/10/18 0936
WELL ID.: ASMW-6

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-6 - marker		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED	—	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Manhole	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12"	
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	133.30	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	21.34	
MEASURE WELL DIAMETER (Inches):	3.0	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	—	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	—	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

In parking lot in front of parking space

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

set on grass in median of parking lot

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

—

REMARKS:

Sketch

SITE NAME: DEC - Hempstead 206

SITE ID.: 130050
INSPECTOR: DEC/BL
DATE/TIME: 10/10/18 0830
WELL ID.: ASMW-7

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-7		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED	—	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Plastic Steel	
PROTECTIVE CASING MATERIAL TYPE:	Box	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):		
LOCK PRESENT?	N/A	
LOCK FUNCTIONAL?	N/A	
DID YOU REPLACE THE LOCK?	N/A	
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	N/A	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	N/A	
MEASURE WELL DIAMETER (Inches):	6 or 8	
WELL CASING MATERIAL:	Plastic	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Cover is cracked	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	—	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

In parking lot in front of parking space

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

set on grass in median of parking lot

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

—

REMARKS:

Plastic Box @ 40"x29" protects well - cover is cracked but well is sealed

Sketch

SITE NAME: DEC-HEMPSTEAD206

SITE ID.: 130050
INSPECTOR: RC
DATE/TIME: 7/2/2019
Well ID.: ASMW-1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-1

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0 PPM/PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Manhole
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	89.59
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	19.17
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	-
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
In compound area 1 ft from the fence on west side

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Set in grass

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None

REMARKS:
3 bolts out

Sketch

SITE NAME: DEC-HEMPSTEAD206

SITE ID.: 130050
INSPECTOR: RC
DATE/TIME: 7/2/2019
WEll ID.: ASMW-2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-2

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0 PPM/PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Manhole
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	89.72
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	19.44
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	-
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
In compound area beyond chain link fence in woods.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Set in ground in wooded area.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None

REMARKS:
Manhole tabs need rethreading

Sketch

SITE NAME: DEC-HEMPSTEAD206

SITE ID.: 130050
INSPECTOR: RC
DATE/TIME: 7/3/2019
Well ID.: ASMW-3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-3

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0 PPM/PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Manhole
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	90.12
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	17.72
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	-
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
In wooded area of Molloy College near southern state pkwy.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Set in ground in wooded area.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None

REMARKS:
None

Sketch

SITE NAME: DEC-HEMPSTEAD206

SITE ID.: 130050
INSPECTOR: RC
DATE/TIME: 7/3/2019
WEll ID.: ASMW-4

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-4

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0 PPM/PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Manhole
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	106.2
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	17.98
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Cracked
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	-
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
In parking lot on the south end.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Set in asphalt - casing is cracked.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None

REMARKS:
~~None~~ ASMW-4 = ASMW-X, duplicate sample

Sketch

SITE NAME: DEC-HEMPSTEAD206

SITE ID.: 130050
INSPECTOR: RC
DATE/TIME: 7/3/2019
Well ID.: ASMW-5

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-5

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0 PPM/PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Manhole
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	135.47
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	19.41
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	-
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
In south end of parking lot.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Set in asphalt.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None

REMARKS:
None

Sketch

SITE NAME: DEC-HEMPSTEAD206

SITE ID.: 130050
INSPECTOR: RC
DATE/TIME: 7/2/2019
Well ID.: ASMW-6

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: Not visible

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0 PPM/PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Manhole
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	134.4
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	19.24
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	-
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in south end of parking lot in a median between parking spaces

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Set in drit

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT
(e.g. Gas station, salt pile, etc.):

REMARKS:
None

Sketch

SITE NAME: DEC-HEMPSTEAD206

SITE ID.: 130050
INSPECTOR: RC
DATE/TIME: 7/2/2019
WEll ID.: ASMW-7

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-7

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		X

HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0 PPM/PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Plastic Box
PROTECTIVE CASING MATERIAL TYPE:	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	YES	NO
LOCK PRESENT?	N/A	
LOCK FUNCTIONAL?	N/A	
DID YOU REPLACE THE LOCK?	N/A	
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		-
WELL MEASURING POINT VISIBLE?		-

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	Can not gauge
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	Can not gauge
MEASURE WELL DIAMETER (Inches):	10" - 12"
WELL CASING MATERIAL:	Steel
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	-
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in south end of parking lot in a median (grass area) between parking spaces

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Set in grass

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Top of mancover cracked.

REMARKS:
None

Sketch

SITE NAME: DEC - Hempstead 206

SITE ID.: 130050
INSPECTOR: BCC
DATE/TIME: 10/15/19 / 1300
WELL ID.: ASMW-1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW 1

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.2 / PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Manhole
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 12"

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 89.31
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 21.37
MEASURE WELL DIAMETER (Inches): 2.0
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Behind 2 locked gates in compound area, about 1' off of chain link Fence

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Set on Grass

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None

REMARKS:
~~Well Depth measured from top~~
Well + Water Depth recorded from top of casing

Sketch

SITE NAME: DEC Hempstead 206

SITE ID.: 130050
INSPECTOR: BLL
DATE/TIME: 10/16/19 1130
WELL ID.: ASMW-2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-2

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0/PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Manhole
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12"

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	88.91
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	19.87
MEASURE WELL DIAMETER (Inches):	20"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	—
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
In compound area beyond chain link fence in woods, behind one locked gate

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Set in ground in wooded area

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None

REMARKS:

Sketch

SITE NAME: DEC - Hempstead 206

SITE ID.: 130050
INSPECTOR: BCC
DATE/TIME: 10/15/19/1230
WEll ID.: ASMW-3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW 3		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0/PID	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Manhole	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12"	
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	89.43	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	20.32	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	—	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	✓	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

In woods, Landscaping has been done to provide access

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Set in grass/wooded area w/ concrete pad

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

None

REMARKS:

Sketch

SITE NAME: DEC-Hempstead 206

SITE ID.: 130050
INSPECTOR: BCC
DATE/TIME: 10/15/19/1206
WEll ID.: ASMW-4

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	✓	✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	—	
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		✓
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0 / PID	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Manhole	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12"	
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	105.55	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	20.06	
MEASURE WELL DIAMETER (Inches):	2.0	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	—	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	—	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

In middle of Molloy college parking lot, need cones

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Set on asphalt

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

None

REMARKS:

Concrete pad is cracked, outside piece of manhole is broken + missing

Sketch

SITE NAME: NCC-Hempstead 206

SITE ID.: 130050
INSPECTOR: BCC
DATE/TIME: 10/15/19 1100
WELL ID.: HSMW-5

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		✓
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	0.1/PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Manhole // ~0.5"
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12"

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	132.04
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	21.30
MEASURE WELL DIAMETER (Inches):	2.0"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	—
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
In middle of Molloy College Parking Lot, Need cones

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Set on asphalt

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None

REMARKS:
Concrete pad is cracked, manhole cover sticks up above grade

Sketch

SITE NAME: DEC - Hempstead 206

SITE ID.: 130050
INSPECTOR: BCC
DATE/TIME: 10/16/19/1106
WELL ID.: HSMW-2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0/PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Manhole
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	132.15
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	21.57
MEASURE WELL DIAMETER (Inches):	2.07"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	✓
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in south end of parking lot median in between cars

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Set in grass

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None

REMARKS:

Sketch

SITE NAME: DEC-Hempstead 206

SITE ID.: 130050
INSPECTOR: BCC
DATE/TIME: 10/16/19/0900
WELl ID.: ASMW-7

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASMW-7

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0/PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Green Box
PROTECTIVE CASING MATERIAL TYPE: Plastic
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 38.5" x 26.5"

	YES	NO
LOCK PRESENT?	N/A	
LOCK FUNCTIONAL?	N/A	
DID YOU REPLACE THE LOCK?	N/A	
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): Cannot Gauge
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): Cannot Gauge
MEASURE WELL DIAMETER (Inches): 10-12"
WELL CASING MATERIAL: Steel
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: —
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: Yes

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located south end of parking lot median between parking spaces

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
set in grass

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
—

REMARKS:

Sketch

DEC Hempstead 206

Groundwater Sampling Sheet: Stabilization Purge Method

Site:

Date: 7/14/20

Techs: AL/AD

Start Time: 0600

End Time: 1500

Equipment: '19 Dodge Pkl, Generator
YSI, WLM, Geopump, PID

[check units on YSI and confirm that parameter is in the correct units]

WELL ID	Well Size (inches)	Total Well Depth (ft.)	Depth to Water (ft.)	Length of Column (ft.)	One Standing Water Well Volume (gal.)	Total Gallons Purged (gal.)	Time Sampled (hh:mm)	DO (mg/L)	Temp. (°C)	pH	ORP (mV)	Specific Conductance (uS/cm)	NOTES
ASMW-6	2"	132'	21.84	110.2	19.3	20		1.27	16.13	5.72	268	461	
" -7	10"	—	—	—	—	150		1.06	17.2	8.4	95.4	260	
" -5	2"	132'	21.78	110.2	19.3	20		2.56	16.4	7.17	247.7	417	
" -4	2"	106.6'	20.43	86.17	15.1	20		1.66	16.05	7.18	204.0	735	
" -3	2"	89.35'	20.15	69.2	12	15		7.31	15.04	8.2	292.5	363	

Well Size (inches)	0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volume	0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume	0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabilization

Tolerance for stability:

Specific Conductance (3%)

temperature (3%)

pH +/- 0.1 units

*Record DO & ORP but **DO NOT** use for stability*

Guidelines for Field Screening Values:

pH range = 5 - 9

Temperature range = 10 - 19 (except for VERY warm days - please try to keep purge container cool/shaded area)

DO range = less than 12 (unless very close to a sparge well)

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

PLEASE CONTACT THE PMs IF THERE IS A PROBLEM. THIS DATA IS IMPORTANT AND INCORRECT DATA IS WORSE THAN NO DATA. WE REALLY APPRECIATE YOUR WORK TO KEEP E.A.R. A TOP COMPANY IN THE FIELD

Groundwater Sampling Sheet: Stabilization Purge Method

Site: DEC Hempstead 206

Date: 7/15/20

Techs: PL/AD

Start Time: 0600

End Time: 1430

Equipment: 19 Dodge, Generator, YSI, WLM, Geopump, PID

[check units on YSI and confirm that parameter is in the correct units]

WELL ID	Well Size (inches)	Total Well Depth (ft.)	Depth to Water (ft.)	Length of Column (ft.)	One Standing Water Well Volume (gal.)	Total Gallons Purged (gal.)	Time Sampled (hh:mm)	DO (mg/L)	Temp. (°C)	pH	ORP (mV)	Specific Conductance (uS/cm)	NOTES
ASMW 2	2	89.0	19.93	69.07	12.1	15	0845	3.26	14.85	6.02	289.4	408	
ASMW 1	2	90.67	21.65	69.02	12.1	15	1000	3.49	14.89	5.51	306.9	428	
EW-1	—	—	—	—	—	15	1100	2.63	20.6	5.72	310.6	372	
EW-2	—	—	—	—	—	15	1200	1.33	17.69	6.26	144.8	421	
TRIP BLANK	—	—	—	—	—	—	0730	—	—	—	—	—	

Well Size (inches)	0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volume	0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume	0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabilization

Tolerance for stability:

Specific Conductance (3%)

temperature (3%)

pH +/- 0.1 units

Record DO & ORP but DO NOT use for stability

Guidelines for Field Screening Values:

pH range = 5 - 9

Temperature range = 10 - 19 (except for VERY warm days - please try to keep purge container cool/shaded area)

DO range = less than 12 (unless very close to a sparge well)

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

PLEASE CONTACT THE PMs IF THERE IS A PROBLEM. THIS DATA IS IMPORTANT AND INCORRECT DATA IS WORSE THAN NO DATA. WE REALLY APPRECIATE YOUR WORK TO KEEP E.A.R. A TOP COMPANY IN THE FIELD

SITE NAME: DEC Hempstead 206

SITE ID.: 130050
INSPECTOR: PC
DATE/TIME: 7/14/20 1245
WELL ID.: 45MW-3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 12" Boltdown manhole
PROTECTIVE CASING MATERIAL TYPE: steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	X	
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 89.35
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 20.15
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: none

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

wooded area Adjacent to parking lot

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

wooded area

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

none

REMARKS:

Sketch

SITE NAME: JBC Hempstead 206

SITE ID.: 13005O
INSPECTOR: PR
DATE/TIME: 7/14/05 12:00
WELL ID.: AS MW-4

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 12" Below ground surface
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 12

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 106.6
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 20.43
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: none

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
easily Accessible

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
parking lot / pavement

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
none

REMARKS:

Sketch

SITE NAME: DEC Hempstead 206

SITE ID.: 130050
INSPECTOR: PZ
DATE/TIME: 7/14/20 AM
WELL ID.: ASMW-5

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 12" Bolt down manhole
PROTECTIVE CASING MATERIAL TYPE: steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 12"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 132
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 21.78
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: none

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
parking lot / easily accessible

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
parking lot / pavement

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
none

REMARKS:

Sketch

SITE NAME: DEC Hempstead 206

SITE ID.: 130050
INSPECTOR: PL
DATE/TIME: 2/19/20 AM
WELl ID.: ASMW-7

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)
PROTECTIVE CASING MATERIAL TYPE: Plastic
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

	YES	NO
LOCK PRESENT?	NA	
LOCK FUNCTIONAL?	NA	
DID YOU REPLACE THE LOCK?	N/A	
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	N/A	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): cannot gauge
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): "
MEASURE WELL DIAMETER (Inches): 10-12"
WELL CASING MATERIAL: steel
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE —
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: none

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
located in median of parking lot

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
set in grass / easily accessible

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: DEC Hempstead 206

SITE ID.: 130050
INSPECTOR: PL
DATE/TIME: 2/14/20 AM
WELL ID.: ASMW-6

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)		

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	—
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	132'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	21.84
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	—

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

easily Accessible, no obstructions

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

planter / parking lot median

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

—

REMARKS:

Sketch

SITE NAME: DEC Camp 206

SITE ID.: 130050
INSPECTOR: PC
DATE/TIME: 7/15/20 11am
WEll ID.: ASMW-1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 12" Bolt down manhole
PROTECTIVE CASING MATERIAL TYPE: steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 12"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 90.67
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 21.65
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: none

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
easily accessible

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
inside E/C, grassy area

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
none

REMARKS:

Sketch

SITE NAME: DEC Hemp 206

SITE ID.: 130050
INSPECTOR: PC
DATE/TIME: 7/15/20 am
WELL ID.: ASMW-2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	12" below manhole
PROTECTIVE CASING MATERIAL TYPE:	steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	89.0
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	19.93
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	none

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

easily Accessible

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

wooded area w/ path

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

none

REMARKS:

Sketch

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 7/14/20

NYSDEC Division of Environmental Remediation				**NYSDEC Contract No. C100611** Superintendent: NYSDEC PM: Payson Long Consultant PM: Trisha Vicale Consultant Site Inspectors:
Site Location: Hempstead, New York				
Weather Conditions				
General Description	Sunny	AM		PM
Temperature	75°	AM		PM
Wind	<5 MPH	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No (circled)	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No (circled)	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No (circled)	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	0715	Departed Site:	

GWS

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No (circled)	NA
Were there any vehicles which were not tarped?	* Yes	No (circled)	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No (circled)	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
P. Lombardo	E.A.R.	Laborer	8
A. Duchimaza	E.A.R.	"	8

DAILY INSPECTION REPORT

Report No. **Franklin Cleaners - NYSDEC Site No.** Date: 7/14/20

Equipment Description	Contractor/Vendor	Quantity	Used
Geocrator		1	Y
Geo Pump		1	Y
water level meter		1	Y
P.I.D.		1	Y
F.S.I.		1	Y

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

College Employee

Include (insert) figures with markups showing location of work and job progress

SEE site MAP

Site Photographs (Descriptions Below)	

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☒	N/A ☐
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☒	No ☐	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
Comments:			

Sacramento

Chain of Custody Record 450546

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Trisha Vicale	Site Contact:	Date:	COC No:
Company Name: E.A.R.	Tel/Email: Vicale@EnviroAssoc.com	Lab Contact:	Carrier:	2 of 2 COCs
Address: 225 Atlantic Ave	Analysis Turnaround Time			Sampler:
City/State/Zip: Patchogue NY 11772	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
Phone: 6314476400	TAT if different from Below 10 day			Walk-in Client:
Fax: 6314476497	☐ 2 weeks			Lab Sampling:
Project Name: ~~DEC~~ Franklin Cleaners	☐ 1 week			
Site: 130050	☐ 2 days			Job / SDG No.:
PO # DEC Hempstead 206	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PFC - 10A	Sample Specific Notes:
ASMW-6	7/14/20	0915	G	AQ	2	N	N	X	
ASMW-7		1080			2	N	N	X	
ASMW-5		1110			6	N	Y	X	
ASMW-4		1200			2	N	N	X	
ASMW-3		1245			2	N	N	X	
ASMW-X		XX			2	N	N	X	
Field Blank		0815			1	N	N	X	
Equipment Blank WLM 20200714		0840			2	N	N	X	
Equipment Blank tubing 20200714		0835			2	N	N	X	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	E.A.R.	7/14/20 1400	E.A.R. Sample Fridg	E.A.R.	7/14/20 1400
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record 450544

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: TAL-8210

Client Contact	Project Manager: Trisha Vicale	Site Contact:	Date: 7/14/20	COC No:
Company Name: EAR	Tel/Email: VicaleE@nvisd-asmnt.com	Lab Contact:	Carrier:	1 of 2 COCs
Address: 225 Atlantic Ave	Analysis Turnaround Time: ☐ CALENDAR DAYS ☒ WORKING DAYS			Sampler:
City/State/Zip: Patchogue, NY 11772	TAT if different from Below 10 days			For Lab Use Only:
Phone: 631-447-6400	☐ 2 weeks			Walk-in Client:
Fax: 631-447-6497	☐ 1 week			Lab Sampling:
Project Name: Franklin Cleaners	☐ 2 days			Job / SDG No.:
Site: 130055	☐ 1 day			
PO # DEC-Hempstead2020				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260C	8270 DSIM	Sample Specific Notes:
ASMW-6	7/14/2020	0915	G	AQ	5	N	N	X	X	
ASMW-7		1000			5	N	N	X	X	
ASMW-5		1110			15	N	Y	X	X	MS/MSD sample
ASMW-4		1200			5	N	N	X	X	
ASMW-3		1245			5	N	N	X	X	
ASMW-X		XX			5	N	N	X	X	
Field Blank_20200714		0815			3	N	N	X	X	
Trip Blank_20200714		0830			2	N	N	X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
V. Vicale	E.A.R.	7/14/20 1400	EAR Sample fridge	E.A.R.	7/14/20 1400
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record 450542

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: T. Vicale	Site Contact:	Date: 7/15/20	COC No:
Company Name: E.A.R	Tel/Email: Vicale@enviro-AsmnT.com	Lab Contact:	Carrier:	1 of 2 COCs
Address: 225 ATLANTIC AVE	**Analysis Turnaround Time**			Sampler:
City/State/Zip: Patchogue NY 11772	☐ CALENDAR DAYS ☑ WORKING DAYS			**For Lab Use Only:**
Phone: 631 447 6400	TAT if different from Below 10 Days			Walk-in Client:
Fax: 631 447 6497	☐ 2 weeks			Lab Sampling:
Project Name: Franklin Cleaners	☐ 1 week			
Site: 130050	☐ 2 days			Job / SDG No.:
P O # OER Hempstead 206	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8260C	8270D SIM	Sample Specific Notes:
ASMW-1	7/15/20	1000	G	Ag	5	N	N	X	X	
ASMW-2		0845			5	N	N	X	X	
EW-1		1100			5	N	N	X	X	
EW-2		1200			5	N	N	X	X	
Trip blank 20200715		0730	↓	↓	2	N	N	X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	E.A.R.	7/15/20 1430	E.A.R Sample fridge	E.A.R.	7/15/20 1430
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record 401330

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: T. Vicale	Site Contact:	Date: 7/15/20	COC No:
Company Name: E.A.R.	Tel/Email: Vicale@Enviro-ASMW1,2	Lab Contact:	Carrier:	2 of 2 COCs
Address: 225 Atlantic Ave	Analysis Turnaround Time			Sampler:
City/State/Zip: Patchogue NY 11772	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
Phone: 631 447 6400	TAT if different from Below 10 days			Walk-in Client:
Fax: 631 447 6497	☐ 2 weeks			Lab Sampling:
Project Name: Franklin Cleaners	☐ 1 week			
Site: 130050	☐ 2 days			Job / SDG No.:
P O # DEC Hempstead 206	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	PFC - IDA	Sample Specific Notes:
ASMW-1	7/15/20	1000	G	Aq	2	N	N	X	
ASMW-2		0845			2	N	N	X	
EW-1		1100			2	N	N	X	
EW-2		1200			2	N	N	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	E.A.R.	7/15/20 1400	E.A.R. Sample fridge	E.A.R.	7/15/20 1430
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

APPENDIX D
DATA VALIDATION CHECKLISTS

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	April 25, 2018
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 9 (ASMW-1 to -7 and EW-1 & EW-2) Field Duplicate/ 1 (ASMW-X=ASMW-2) Trip Blank/ 1
Analyzing Laboratory:	TestAmerica Laboratories, Edison, NJ
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW-845 Method 8260C
Laboratory Report No:	460-154885 Date:5/4/18

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X	X		
B. Trip blanks		X	X		
C. Field blanks					X
3. Matrix spike (MS) %R		X	X		
4. Matrix spike duplicate (MSD) %R		X	X		
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X	X		
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD		X		X	

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable, with the following exception:

2A&B. Acetone and methylene chloride were detected in the method and/or trip blanks. Acetone was qualified as non-detect (UB) in sample ASMW-5.

3&4,6. The %Rs were above the QC limits for 1,1-dichloroethene, methylene chloride and trans-1,2-dichloroethene in the MS, MSD and LCS associated with all samples. They were not detected above the reporting limit in the samples therefore qualification of the data was not necessary.

The %Rs were above the QC limits for methylene chloride, 1,1-dichloroethene, trans-1,2-dichloroethene, trichlorofluoromethane and methyl acetate in the LCS associated with the Trip Blank. They were not detected above the reporting limit in the sample therefore qualification of the data was not necessary.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 154885

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
ASMW-5	Acetone	UB	Detected in the method and trip blanks

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 6/12/2018
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	July 5, 2018
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 4 (ASMW-1,-2,-4 & -5) Field Duplicate/ 1 (ASMW-X=ASMW-2) Trip Blank/ 0
Analyzing Laboratory:	TestAmerica Laboratories, Edison, NJ
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW-845 Method 8260C
Laboratory Report No:	460-160005 Date:7/20/2018

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

D&B ENGINEERS AND ARCHITECTS, P.C.

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks					X
C. Field blanks					X
3. Matrix spike (MS) %R		X		X	
4. Matrix spike duplicate (MSD) %R		X		X	
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD		X		X	

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 160005

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
No qualification of the data was necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 9/27/2018
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	July 11, 2018
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 5 (ASMW-3,-6 & -7 and EW-1 &-2) Field Duplicate/ 0 Trip Blank/ 1
Analyzing Laboratory:	TestAmerica Laboratories, Edison, NJ
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW-845 Method 8260C
Laboratory Report No:	460-160516 Date:7/23/2018

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks		X		X	
C. Field blanks					X
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory control sample (LCS) %R & RPD		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD		X		X	

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 160516

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
No qualification of the data was necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 9/27/2018
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	October 10, 2018
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 8 (ASMW-1,-3 to -5 & EW-1& EW-2) Field Duplicate/ 1 (ASMW-X=ASMW-1) Trip Blank/ 1
Analyzing Laboratory:	TestAmerica Laboratories, Edison, NJ
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW-845 Method 8260C
Laboratory Report No:	460-166757 Date:10/19/2018

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X	X		
B. Trip blanks		X	X		
C. Field blanks					X
3. Matrix spike (MS) %R		X	X		
4. Matrix spike duplicate (MSD) %R		X	X		
5. MS/MSD precision (RPD)		X	X		
6. Laboratory control sample (LCS) %R		X	X		
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X			
11. Continuing calibration RRF's and %D's		X			
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD		X		X	

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

2A&B. Methylene chloride was detected in method blank and trip blank. Methylene chloride was qualified as non-detect (UB) in samples ASMW-5, ASMW-6 and ASMW-7.

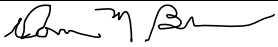
3-6. The %Rs were below the QC limits for 1,2,4-trichlorobenzene and 1,2,3-trichlorobenzene in the MS, MSD and LCS. The RPD was above the QC limit for 1,2,3-trichlorobenzene. 1,2,4-Trichlorobenzene and 1,2,3-trichlorobenzene were qualified as an estimated detection limit (UJ) in all samples.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 166757

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
ASMW-5, ASMW-6 and ASMW-7	Methylene chloride	UB	Detected in method blank and trip blank
All samples	1,2,4-Trichlorobenzene and 1,2,3-trichlorobenzene	UJ	The %Rs were below the QC limits in the MS, MSD and LCS

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 11/27/2018
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	October 26, 2018
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 1 (ASMW-2) Field Duplicate/ 0 Trip Blank/ 0
Analyzing Laboratory:	TestAmerica Laboratories, Edison, NJ
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW-845 Method 8260C
Laboratory Report No:	460-168131 Date:11/06/2018

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks					X
C. Field blanks					X
3. Matrix spike (MS) %R		X	X		
4. Matrix spike duplicate (MSD) %R		X	X		
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

3-6. The %Rs were above the QC limits for 1,1,2,2-tetrachloroethane, 1,1,2-trichloro-1,2,2-trifluoroethane, 1,1-dichloroethane, 1,1-dichloroethene, chloroform, dichlorodifluoromethane, methyl tert-butyl ether, methylene chloride, trans-1,2-dichloroethene and trichlorofluoromethane in the MS and MSD. These compounds were not detected in the sample therefore qualification of the data was not necessary.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 168131

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
No qualification of the data was not necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 11/27/2018
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	January 23, 2019
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 3 (ASMW-4, ASMW-5 & ASMW-6) Field Duplicate/ 0 Trip Blank/ 0
Analyzing Laboratory:	TestAmerica Laboratories, Edison, NJ
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW-845 Method 8260C
Laboratory Report No:	460-174046 Date:1/31/2019

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks	X				
C. Field blanks					X
3. Matrix spike (MS) %R		X		X	
4. Matrix spike duplicate (MSD) %R		X		X	
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 174046

#

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
No qualification of the data was not necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 2/21/2019
VALIDATION PERFORMED BY SIGNATURE:	

#

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	January 29, 2019
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 6 (ASMW-1,-3 to -7 & EW-1& EW-2) Field Duplicate/ 1 (ASMW-X=ASMW-2) Trip Blank/ 0
Analyzing Laboratory:	TestAmerica Laboratories, Edison, NJ
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW-845 Method 8260C
Laboratory Report No:	460-174422 Date:02/08/2019

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks	X				
C. Field blanks					X
3. Matrix spike (MS) %R		X	X		
4. Matrix spike duplicate (MSD) %R		X	X		
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X	X		
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD		X		X	

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

3-6. The %Rs were above the QC limits for carbon tetrachloride, 1,1,2,2-tetrachlorethane and 1,2-dibromo-3-chloropropane in the LCS, MS and/or MSD 422. They were not detected so qualification of the data was not necessary.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 174422

#

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
No qualification of the data was not necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 2/21/2019
VALIDATION PERFORMED BY SIGNATURE:	

#

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	July 2, 2019
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 6 (ASMW-1&2 and 6&7) Field Duplicate/ 0 Trip Blank/ 1 Field Blank/ 1
Analyzing Laboratory:	Eurofins TestAmerica Laboratories, Edison, NJ
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW-845 Method 8260C 1,4-Dioxane: USEPA SW-845 Method 8270D SIM
Laboratory Report No:	460-186005 Date:07/31/2019

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
VOCs & 14-Dioxane

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks		X		X	
C. Field blanks		X		X	
3. Matrix spike (MS) %R		X	X		
4. Matrix spike duplicate (MSD) %R		X	X		
5. MS/MSD precision (RPD)		X	X		
6. Laboratory control sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

3-5. The %Rs were above the QC limits for 1,1,1-trichloroethane, 2-butanone (MEK), 2-hexanone, 4-methyl-2-pentanone (MIBK), bromoform, chlorobromomethane, chlorodibromomethane, chloroform, dichlorobromomethane and 1,2-dichloroethane in the MS and/or the MSD. The RPDs were above the QC limits for 1,2-dichloropropane, 2-butanone (MEK), 2-hexanone, 4-methyl-2-pentanone (MIBK) and o-xylene in the MS/MSD. They were not detected so qualification of the data was not necessary.

The %Rs were below the QC limits for 1,1,2,2-tetrachloroethane, benzene, carbon disulfide, ethylbenzene, isopropylbenzene, methylcyclohexane, m-xylene & p-xylene and o-xylene in the MSD. These compounds were qualified as an estimated detection limit (UJ) in all samples.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 186005

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
All samples	1,1,2,2-Tetrachloroethane, benzene, carbon disulfide, ethylbenzene, isopropylbenzene, methylcyclohexane, m-xylene & p-xylene and o-xylene	UJ	The %Rs were below the QC limits in the MS and/or MSD.
1,4-Dioxone			
No qualification of the data was not necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 9/23/2019
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	July 2, 2019
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 6 (ASMW-1&2 and 6&7) Field Blank/ 1 Equipment Blank/ 1 Trip Blank/ 0
Analyzing Laboratory:	Eurofins TestAmerica Laboratories, Sacramento, CA
Analyses:	Perfluorinated Alkyl Substances (PFAS): by method EPA 537
Laboratory Report No:	320-51981 Date:07/31/2019

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

D&B ENGINEERS AND ARCHITECTS, P.C.

ORGANIC ANALYSES
PFAS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks	X				
C. Field & Equipment blanks		X		X	
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory control sample (LCS) %R & LCS duplicate (RPD)		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check					X
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 320-51981

Sample ID	Analyte(s)	Qualifier	Reason(s)
PFAS			
No qualification of the data was necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 9/26/2019
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	July 3, 2019
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 3 (ASMW-3-5) Field Duplicate/ 1 (ASMW-X=ASMW-4) Trip Blank/ 1
Analyzing Laboratory:	Eurofins TestAmerica Laboratories, Edison, NJ
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW-845 Method 8260C 1,4-Dioxane: USEPA SW-845 Method 8270D SIM
Laboratory Report No:	460-186078 Date:07/29/2019

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
VOCs & 14-Dioxane

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks		X		X	
C. Field blanks					X
3. Matrix spike (MS) %R		X	X		
4. Matrix spike duplicate (MSD) %R		X	X		
5. MS/MSD precision (RPD)		X	X		
6. Laboratory control sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD		X		X	

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

3-5. The %Rs were above the QC limits for 1,1,1-trichloroethane, 2-butanone (MEK), 2-hexanone, 4-methyl-2-pentanone (MIBK), bromoform, chlorobromomethane, chlorodibromomethane, chloroform, dichlorobromomethane and 1,2-dichloroethane in the MS and/or MSD. The RPDs were above the QC limits for 1,2-dichloropropane, 2-butanone (MEK), 2-hexanone, 4-methyl-2-pentanone (MIBK) and o-xylene in the MS/MSD. They were not detected so qualification of the data was not necessary.

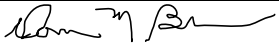
The %Rs were below the QC limits for 1,1,2,2-tetrachloroethane, benzene, carbon disulfide, ethylbenzene, isopropylbenzene, methylcyclohexane, m-xylene & p-xylene and o-xylene in the MSD. These compounds were qualified as an estimated detection limit (UJ) in all samples.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 460-186078

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
All samples	1,1,2,2-Tetrachloroethane, benzene, carbon disulfide, ethylbenzene, isopropylbenzene, methylcyclohexane, m-xylene & p-xylene and o-xylene	UJ	The %Rs were below the QC limits in the MS and/or MSD.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 9/23/2019
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	July 3, 2019
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 3 (ASMW-3-5) Field Duplicate/ 1 (ASMW-X=ASMW-4) Trip Blank/ 0
Analyzing Laboratory:	Eurofins TestAmerica Laboratories, Sacramento, CA
Analyses:	Perfluorinated Alkyl Substances (PFAS): by method EPA 537
Laboratory Report No:	320-52062 Date:07/29/2019

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
PFAS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X	X		
B. Trip blanks	X				
C. Field & Equipment blanks					X
3. Matrix spike (MS) %R		X		X	
4. Matrix spike duplicate (MSD) %R		X		X	
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check					X
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD		X		X	

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

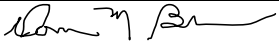
2a. Perfluorobutanesulfonic acid (PFBS) and perfluorohexanesulfonic acid (PFHxS) were detected in the method blank. These compounds were detected at concentrations much higher than the method blank and the "B" was removed from the compounds for all samples.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 320-52062

Sample ID	Analyte(s)	Qualifier	Reason(s)
PFAS			
All samples	Perfluorobutanesulfonic acid (PFBS) and perfluorohexanesulfonic acid (PFHxS)	B qualifier removed	Detected in the method blank and detected at concentrations much higher in samples

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 9/26/2019
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	July 26, 2019
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 2 (EW-1&2) Field Blank/ 0 Equipment Blank/ 0 Trip Blank/ 0
Analyzing Laboratory:	Eurofins TestAmerica Laboratories, Sacramento, CA
Analyses:	Perfluorinated Alkyl Substances (PFAS): by method EPA 537
Laboratory Report No:	320-52696 Date:07/31/2019

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
PFAS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks	X				
C. Field & Equipment blanks					X
3. Matrix spike (MS) %R		X		X	
4. Matrix spike duplicate (MSD) %R		X		X	
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check					X
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 320-52696

Sample ID	Analyte(s)	Qualifier	Reason(s)
PFAS			
No qualification of the data was necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 9/26/2019
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	July 24, 2019
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 2 (EW-1 & -2) Field Duplicate/ 0 Field Blank/ 0 Trip Blank/ 0
Analyzing Laboratory:	Eurofins TestAmerica Laboratories, Edison, NJ
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW-845 Method 8260C 1,4-Dioxane: USEPA SW-845 Method 8270D SIM
Laboratory Report No:	460-187513 Date:07/30/2019

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
VOCs & 14-Dioxane

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks					X
C. Field blanks					X
3. Matrix spike (MS) %R		X		X	
4. Matrix spike duplicate (MSD) %R		X	X		
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

4. The %R was below the QC limit for trans-1,3-Dichloropropene in the MSD and was qualified as an estimated detection limit (UJ) in all samples.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 460-187513

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
All samples	Trans-1,3-Dichloropropene	UJ	The %R was below the QC limit in the MSD
1,4-Dioxone			
No qualification of the data was not necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 9/26/2019
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	October 15, 2019
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 4 (ASMW-1, -3, -4 and -5) Field Duplicate/ 0 Trip Blank/ 1 Field Blank/1
Analyzing Laboratory:	Eurofins TestAmerica Laboratories, Edison, NJ
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW-845 Method 8260C 1,4-Dioxane: USEPA SW-845 Method 8270D SIM
Laboratory Report No:	460-194254 Date:10/28/2019

#

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

D&B ENGINEERS AND ARCHITECTS, P.C.

ORGANIC ANALYSES
VOCs & 14-Dioxane

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks		X		X	
C. Field blanks		X	X		
3. Matrix spike (MS) %R		X		X	
4. Matrix spike duplicate (MSD) %R		X	X		
5. MS/MSD precision (RPD)		X	X		
6. Laboratory control sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD		X		X	

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

2C. Methylene chloride and m & p-xylenes were detected in the Field blank. They were not detected so qualification of the data was not necessary.

4-5. The %Rs were above the QC limits for chloromethane and dichlorodifluoromethane in the MSD. The RPD was above the QC limit in 1,2,3-trichlorobenzene. They were not detected so qualification of the data was not necessary.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 460-194254

#

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
No qualification of the data was necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 12/12/2019
VALIDATION PERFORMED BY SIGNATURE:	

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D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	October 15, 2019
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 4 (ASMW-1, -3, -4 and -5) Field Duplicate/ 0 Field Blank/ 1 Equipment Blank/ 2
Analyzing Laboratory:	Eurofins TestAmerica Laboratories, South Burlington, VT
Analyses:	Perfluorinated Alkyl Substances (PFAS): by method PFAS IDA
Laboratory Report No:	200-51028 Date:11/01/2019

#

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
PFAS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks					X
C. Field & Equipment blanks		X		X	
3. Matrix spike (MS) %R		X		X	
4. Matrix spike duplicate (MSD) %R		X		X	
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check					X
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 200-51028

#

Sample ID	Analyte(s)	Qualifier	Reason(s)
PFAS			
No qualification of the data was necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 12/12/2019
VALIDATION PERFORMED BY SIGNATURE:	

#

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	October 16, 2019
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 5 (ASMW-2, -6, -7 and EW-1,-2) Field Duplicate/ 1 (ASMW-X=ASMW-2) Trip Blank/ 1
Analyzing Laboratory:	Eurofins TestAmerica Laboratories, Edison, NJ
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW-845 Method 8260C 1,4-Dioxane: USEPA SW-845 Method 8270D SIM
Laboratory Report No:	460-194455 Date:10/29/2019

#

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
VOCs & 14-Dioxane

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks		X		X	
C. Field blanks					X
3. Matrix spike (MS) %R		X	X		
4. Matrix spike duplicate (MSD) %R		X	X		
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD		X		X	

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

3-4. The %Rs were above the QC limits for 1,1,2,2-tetrachloroethane 1,1-dichloroethane and/or 1,2-dichloropropane. They were not detected so qualification of the data was not necessary.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 460-194455

#

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
No qualification of the data was necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 12/12/2019
VALIDATION PERFORMED BY SIGNATURE:	

#

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	October 16, 2019
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 5 (ASMW-2, -6, -7 and EW-1,-2) Field Duplicate/ 1 (ASMW-X=ASMW-2)
Analyzing Laboratory:	Eurofins TestAmerica Laboratories, Sacramento, CA
Analyses:	Perfluorinated Alkyl Substances (PFAS): by method EPA 537
Laboratory Report No:	320-55495 Date:11/11/2019

#

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
PFAS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks					X
C. Field & Equipment blanks					X
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory control sample (LCS) %R & LCS duplicate (RPD)		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check					X
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD		X		X	

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 320-55495

#

Sample ID	Analyte(s)	Qualifier	Reason(s)
PFAS			
No qualification of the data was necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 12/12/2019
VALIDATION PERFORMED BY SIGNATURE:	

#

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	January 8, 2020
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 4 (ASMW-1 to -3, EW-1 and -2) Field Duplicate/ 0 Trip Blank/ 1 Field Blank/1
Analyzing Laboratory:	Eurofins TestAmerica Laboratories, Edison, NJ
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW-845 Method 8260C 1,4-Dioxane: USEPA SW-845 Method 8270D SIM
Laboratory Report No:	460-200504 Date:01/20/2020

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
VOCs & 14-Dioxane

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks		X		X	
C. Field blanks		X		X	
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory control sample (LCS) & LCS Duplicate %R & RPD		X	X		
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

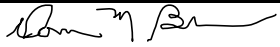
6. The %R was below the QC limit for 1,2,4-trichlorobenzene in the LCS duplicate associated with samples EW-1 and EW-2. It was qualified as an estimated detection limit (UJ) in the associated samples.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 460-200504

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
EW-1 and EW-2	1,2,4-Trichlorobenzene	UJ	The %R was below the QC limit in the LCS duplicate

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 1/29/2020
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	January 8, 2020
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 4 (ASMW-4 to -7) Field Duplicate/ 1 (ASMW-6 =ASMWX) Trip Blank/ 0 Field Blank/0
Analyzing Laboratory:	Eurofins TestAmerica Laboratories, Edison, NJ
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW-845 Method 8260C 1,4-Dioxane: USEPA SW-845 Method 8270D SIM
Laboratory Report No:	460-200510 Date:01/17/2020

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
VOCs & 14-Dioxane

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks					X
C. Field blanks					X
3. Matrix spike (MS) %R		X		X	
4. Matrix spike duplicate (MSD) %R		X		X	
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X	X		
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD		X		X	

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

6. The %Rs were below the QC limits for 1,1-dichloroethane and methyl tert-butyl ether in the LCS. They were qualified as an estimated detection limit (UJ) in the all samples.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 460-200510

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
All samples	1,1-Dichloroethane and methyl tert-butyl ether	UJ	The %Rs were below the QC limits in the LCS

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 1/29/2020
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	January 08, 2020
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 5 (ASMW-1 to -3, EW-1 and -2) Field Duplicate/ 0 Field Blank/ 1 Equipment Blank/ 2
Analyzing Laboratory:	Eurofins TestAmerica Laboratories, West Sacramento, CA
Analyses:	Perfluorinated Alkyl Substances (PFAS): by method 537(modified)
Laboratory Report No:	320-57682 Date: 1/27/2020

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
PFAS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks					X
C. Field & Equipment blanks		X		X	
3. Matrix spike (MS) %R		X		X	
4. Matrix spike duplicate (MSD) %R		X		X	
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check					X
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

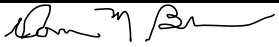
Comments:
Performance was acceptable.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 320-57682

Sample ID	Analyte(s)	Qualifier	Reason(s)
PFAS			
No qualification of the data was necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 1/28/2020
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	3150-10
Sample Date(s):	January 08, 2020
Sample Team:	EAR
Matrix/Number of Samples:	Water/ 4 (ASMW-4 to -7) Field Duplicate/ 1 (ASMW-6 = ASMWX) Field Blank/ 0 Equipment Blank/ 0
Analyzing Laboratory:	Eurofins TestAmerica Laboratories, West Sacramento, CA
Analyses:	Perfluorinated Alkyl Substances (PFAS): by method 537(modified)
Laboratory Report No:	320-57684 Date: 1/27/2020

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

ORGANIC ANALYSES
PFAS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks					X
C. Field & Equipment blanks		X		X	
3. Matrix spike (MS) %R		X		X	
4. Matrix spike duplicate (MSD) %R		X		X	
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check					X
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 320-57684

Sample ID	Analyte(s)	Qualifier	Reason(s)
PFAS			
No qualification of the data was necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 1/28/2020
VALIDATION PERFORMED BY SIGNATURE: