Sterling Environmental Engineering, P.C.

PERIODIC REVIEW REPORT
(February 1, 2017 - May 31, 2018)

ORANGE COUNTY LANDFILL
NYSDEC SITE NO. 336007
ROUTE 17M, GOSHEN, NEW YORK

Prepared for:

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CERTIFICATION

I, Mark P. Millspaugh, P.E., certify that I am a New York State registered professional engineer and that this Periodic Review Report (PRR) was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in accordance with the DER-approved work plan and any DER-approved modifications.

_____ 6/26/18

Mark P. Millspaugh, P.E. Date

EXECUTIVE SUMMARY

The Orange County Landfill (Landfill) is located in the Town of Goshen, Orange County, New York (refer to Figure 1) and is registered as a Class 2 Inactive Hazardous Waste Disposal Site ("the Site"), Registry No. 3-36-007 by the New York State Department of Environmental Conservation (NYSDEC).

The NYSDEC issued a Record of Decision (ROD) on January 28, 1994 for Operable Unit No. 2 that required construction of a final cover over the Landfill waste mass, which was completed in 1995. A second ROD addressing the Site as a whole, including any contamination that may have migrated from the waste mass, was issued on March 26, 1998 for Operable Unit 01. The selected remedies for the Landfill include Institutional Controls (IC) through a Declaration of Covenants and Restrictions that restricts disturbance of the Landfill cover and places restrictions on site uses, and Engineering Controls (EC) provided by the Landfill cover and leachate collection systems, air and water quality monitoring, regular inspections and maintenance activities. Post-closure water and air quality monitoring, leachate removal, inspections and maintenance at the Landfill have been provided by Orange County since 1996. A Site Management Plan (SMP) was approved by the NYSDEC on August 5, 2014, which incorporates the Institutional/Engineering Control (IC/EC) Plan, the Inspection and Monitoring Plan, and the Operation and Maintenance Plan to provide for the continual post-closure monitoring and maintenance of the Landfill.

An annual Periodic Review Report (PRR) is required to document site management activities outlined in the SMP. This PRR covers the period February 1, 2017 to May 31, 2018.

The remedial program implemented at the Landfill has been successful in meeting the remedial objectives set forth in the RODs. Leachate generation and contaminant migration through groundwater has been reduced, contaminated surface run-off and direct human/animal contact with waste is eliminated, and Landfill gas migration/buildup is prevented. Discolored groundwater seeps exhibiting some detectable leachate constituents have been occasionally observed along the banks of the Cheechunk Canal, downgradient of the Landfill. The County received NYSDEC approval of the Remedial Action Work Plan (RAWP) to address the observed seeps on March 20, 2017. Subsequently on May 31, 2017 the County requested that the NYSDEC issue the required Water Quality Certification so that coverage under the United States Army Corps of Engineers (USACE) Nationwide Permit (NWP) No. 38 could be obtained. A revised request was submitted by the County on July 12, 2017 and the County submitted Form 4345 for Pre-Construction Notification (PCN) to the USACE Northern District on September 14, 2017. The County completed and submitted the Groundwater Recovery Well Pilot Study Summary Report on September 14, 2017. Over the course of the 2017 and 2018 the County has also conducted weekly inspections of the seep locations to document water levels in the Canal.

Based on the results of activities performed in 2017 through May 2018, no changes to the approved SMP are recommended. The requirements for discontinuing site management have not been met. As such, continued compliance with the approved SMP and the proposed seep remediation are appropriate.

1.0 INTRODUCTION

The Orange County Landfill (Landfill) is located in the Town of Goshen, Orange County, New York (refer to Figure 1) and is registered as a Class 2 Inactive Hazardous Waste Disposal Site, Registry No. 3-36-007 by the NYSDEC.

An annual PRR is required to document site management activities outlined in the SMP. This PRR covers the period February 1, 2017 to May 31, 2018.

1.1 Summary of Site Contamination and Site History

The NYSDEC issued a Record of Decision (ROD) on January 28, 1994 for Operable Unit No. 2 that required construction of a final cover over the Landfill waste mass, which was completed in 1995. A second ROD addressing the site as a whole, including any contamination that may have migrated from the waste mass, was issued on March 26, 1998 for Operable Unit 01. The selected remedies for the Landfill include Institutional Controls (IC) through a Declaration of Covenants and Restrictions that restricts disturbance of the Landfill cover and places restrictions on site uses, and Engineering Controls (EC) provided by the Landfill cover and leachate collection systems, air and water quality monitoring, regular inspections and maintenance activities. Post-closure water and air quality monitoring, leachate removal, inspections and maintenance at the Landfill have been provided by Orange County since 1996. A Site Management Plan (SMP) was approved by the NYSDEC on August 5, 2014, which incorporates the Institutional/Engineering Control (IC/EC) Plan, the Inspection and Monitoring Plan, and the Operation and Maintenance Plan to provide for the continual post-closure monitoring and maintenance of the Landfill.

1.2 Effectiveness of the Remedial Program and Compliance

The remedial program implemented at the Landfill has been successful in meeting the remedial objectives set forth in the RODs. Leachate generation and contaminant migration through groundwater has been reduced, contaminated surface run-off and direct human/animal contact with waste is eliminated, and Landfill gas migration/buildup is prevented. Discolored groundwater seeps exhibiting some detectable leachate constituents have been occasionally observed along the banks of the Cheechunk Canal, downgradient of the Landfill. The County received NYSDEC approval of the Remedial Action Work Plan (RAWP) to address the observed seeps on March 20, 2017. Subsequently on May 31, 2017 the County requested that the NYSDEC issue the required Water Quality Certification so that coverage under the United States Army Corps of Engineers (USACE) Nationwide Permit (NWP) No. 38 could be obtained. A revised request was submitted by the County on July 12, 2017 and the County submitted Form 4345 for Pre-Construction Notification (PCN) to the USACE Northern District on September 14, 2017. The County completed and submitted the Groundwater Recovery Well Pilot Study Summary Report on September 14, 2017. Over the course of the 2017 and 2018 the County has also conducted weekly inspections of the seep locations to document water levels in the Canal.

1.3 Recommendations

Based on the results of activities performed in 2017 through May 2018, no changes to the approved SMP are recommended. The requirements for discontinuing site management have not been met. As such, continued compliance with the approved SMP and the proposed seep remediation are appropriate.

2.0 SITE OVERVIEW

The Landfill consists of a 75-acre waste mass on a 300-acre rural parcel approximately three (3) miles west of the Village of Goshen on the south side of Route 17M in the Town of Goshen, Orange County, New York (see Figure 1).

The Landfill property is bounded by the Cheechunk Canal to the southeast and by the Old Channel of the Wallkill River to the northwest and southwest. To the northwest of the Landfill, a proposed Landfill expansion of an additional 75-acres was intended. The expansion project was never completed nor used for landfilling. To the northeast edge of the Landfill lies a landfill-to-gas energy system facility. The New Hampton Transfer Station is located on the northeast border of the 300-acre parcel.

The Orange County Department of Public Works operated the Landfill between 1974 and January 1992. Approximately 7,000,000 cubic yards of predominantly municipal waste was disposed, however waste oil, septic sludge, industrial waste and hazardous waste are documented to have also reportedly been disposed at the Landfill.

The Landfill was classified as a "Class 2" Inactive Hazardous Waste Disposal Site by the NYSDEC in March 1992, Site Number 336007. The NYSDEC issued two RODs, dated January 1994 and March 1998, respectively. The January 1994 ROD accelerated the capping of the Landfill and the March 1998 ROD addressed contamination that may have migrated from the waste mass.

The selected remedies for the Landfill include institutional and engineering controls. Institutional control (IC) is provided in the form of a Declaration of Covenants and Restrictions that restricts disturbance of the Landfill cover and places restrictions on site uses. Engineering controls (EC) are provided by the Landfill cover and leachate collection systems, annual air and water quality monitoring, regular inspections and maintenance activities.

The ongoing post-closure activities are outlined by the approved SMP and are based on the requirements of the Technical Guidance for Site Investigation and Remediation (DER-10), Section 6.2. The June 6, 2014 SMP (approved by the NYSDEC on August 5, 2014) incorporates the IC/EC Plan, the Inspection and Monitoring Plan, and the Operation and Maintenance Plan, which provide for the continual post-closure monitoring and maintenance of the Landfill.

Since January 1996, Orange County has submitted Post-Closure Monitoring and Maintenance reports to the NYSDEC documenting the Landfill inspection, environmental monitoring, and leachate management activities. Since 2014, the NYSDEC has required annual documentation in the form of a PRR.

This PRR covers inspection, monitoring, operating and maintenance activities, and compliance for the period from February 1, 2017 to May 31, 2018.

3.0 PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

The Landfill has been subject to a Post-Closure Monitoring and Maintenance Program (PCMMM) since January 1996. The PCMMM, revised in January 1999, December 2002 and June 2014, provides for regular site inspections, groundwater, surface water and leachate monitoring, leachate collection and management, mowing, and Landfill gas management. Monitoring locations are shown on Figure 2.

3.1 Groundwater Quality

Historical results obtained over two decades of monitoring indicate groundwater near the Landfill is characterized by concentrations of turbidity, Total Dissolved Solids (TDS), iron, and manganese and occasional concentrations of ammonia, bromide, chloride, phenolics, sulfate, arsenic, beryllium, cadmium, chromium, copper, lead, magnesium, nickel, selenium, sodium, and thallium that exceed groundwater standards (NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1), Ambient Water Quality Standards and Guidance Values (June 1998)). Historically, leachate indicator parameters such as alkalinity, ammonia, Chemical Oxygen Demand (COD), chloride, sulfate, TDS, TKN, and Total Organic Carbon (TOC) along with inorganic compounds such as iron, magnesium, manganese, potassium, and sodium were evaluated.

Groundwater quality results in 2018 indicate no exceedances for alkalinity, COD, chloride, sulfate, TKN, TOC, and potassium were reported. Slight exceedances for nitrate (as N) and selenium were observed at the upgradient overburden monitoring well only and are considered anomalous results following review of historical groundwater analytical data. Ammonia in groundwater exceedances were not reported for downgradient overburden well MW-3B and no phenol in groundwater exceedances were reported for the upgradient overburden monitoring well MW-233S and downgradient overburden well PZ-4. No significant differences in concentrations were observed for select leachate indicator parameters (ammonia, phenols, and TDS) where exceedances were reported.

Slight exceedances for arsenic in groundwater were observed at two (2) downgradient overburden monitoring wells but review of historical groundwater analytical results indicates that the 2018 results are considered anomalous. No significant differences in concentrations or data trends were observed for iron, magnesium and manganese in groundwater where exceedances were historically observed.

The chart below shows the highest concentration areas for parameter exceedances:

Parameter	**Highest Concentration Areas**
Ammonia	MW-245D
Nitrate	MW-233S
Phenols	MW-220, MW-245S, and MW-3B
TDS	MW-220, MW-245S, and MW-3B
Arsenic	MW-245S and MW-3B
Iron	MW-220, MW-245S, MW-245D, PZ-4, and MW-3B
Magnesium	MW-220, PZ-4, and MW-3B
Manganese	MW-220, MW-233S, MW-245S, PZ-4, and MW-3B
Selenium	MW-233S
Sodium	MW-233D, MW-245S, MW-245D, PZ-4,and MW-3B

As described in Section 4.2.3 below, in 2018 the upgradient well pair MW-233 (MW-233S / MW-233D) was sampled in replacement of upgradient well pair MW-230 (MW-230S / MW-230D). No VOCs were detected at any of the overburden or bedrock monitoring wells sampled in 2018.

The 2018 field parameters and groundwater elevations for site groundwater are presented in Tables 1 and 2, respectively. A groundwater contour map for the overburden hydrogeologic unit is provided as Figure 3. Analytical results for monitoring well samples are summarized in Table 3 and are compared to the NYSDEC TOGS 1.1.1, June 1998.

A detailed summary of reported parameter exceedances for the 2018 event is provided below.

Parameter Exceeding Water Quality Standard (TOGS 1.1.1)	**Monitoring Well Location (Analytical Result)**
Ammonia (2.0 mg/L)	Downgradient Bedrock (MW-245D (5.75 mg/L))
Color* (15 Color Units (CU))	Downgradient Overburden (MW-3B (23 CU), MW-220 (85 CU), and MW-245S (42 CU)), and Downgradient Bedrock (MW-245D (33 CU))
Nitrate as N (10 mg/L)	Upgradient Overburden (MW-233S (13 mg/L))
Phenolics (0.001 mg/L)	Downgradient Overburden (MW-3B (0.008 mg/L**), MW-220 (0.007 mg/L**), and MW-245S (0.007 mg/L**)
TDS (500 mg/L)	Downgradient Overburden (MW-3B (710 mg/L), MW-220 (670 mg/L), MW-245S (720 mg/L), and PZ-4 (640 mg/L))
Turbidity (5 NTU)	Downgradient Overburden (MW-220 (45.7 mg/L), MW-245S (48.2 mg/L), and PZ-4 (7.10 mg/L))
Arsenic (0.025 mg/L)	Downgradient Overburden (MW-3B (0.0493 mg/L) and MW-245S (0.031 mg/L))
Iron (0.3 mg/L***)	Downgradient Overburden (MW-3B (1.4 mg/L***), MW-220 (2.58 mg/L***), MW-245S (1.8 mg/L**), and PZ-4 (7.02 mg/L***)), and Downgradient Bedrock (MW-245D (1.14 mg/L***))
Magnesium (35 mg/L)	Downgradient Overburden (MW-3B (35.4 mg/L), MW-220 (39 mg/L), and PZ-4 (49.3 mg/L))
Manganese (0.3 mg/L***)	Upgradient Overburden (MW-233S (0.31 mg/L***)), Downgradient Overburden (MW-3B (1.02 mg/L***), MW-220 (0.99 mg/L***), MW-245S (1.71 mg/L***), and PZ-4 (1.25 mg/L***))
Selenium (0.01 mg/L)	Upgradient Overburden (MW-233S (0.03 mg/L))
Sodium (20 mg/L)	Upgradient Bedrock (MW-233D (105 mg/L)), Downgradient Overburden (MW-3B (63.4 mg/L), MW-245S (56.4 mg/L) and PZ-4 (22.8 mg/L) and Downgradient Bedrock (MW-245D (46 mg/L)

* Standard based on EPA Part 5, Subpart 5-1 Public Water Systems - Tables 1 and 5.

** Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

*** The sum of iron and manganese must not exceed 0.5 mg/L.

A summary of current groundwater quality compared to historical results is presented below:

- MW-3B (Downgradient) - TOGS 1.1.1 exceedances for color, phenolics, TDS, arsenic, iron, magnesium, manganese, and sodium were reported. TDS, iron, manganese, and sodium have consistently exceeded their applicable standard at this downgradient monitoring well since 2011. The reported result for phenolics is associated with a "J" qualifier which indicates that the result is above the laboratory method detection limit; however, it is approximated below the laboratory reporting limit. Past parameter exceedance for ammonia and turbidity were not observed in 2018. Ammonia, and iron concentrations continue to exhibit a decreasing trend while reported concentrations for phenolics, TDS, magnesium, manganese, and sodium has slightly increased compared to 2014, 2015, and 2017 results but remain within the published historical range for each analyte.

- MW-220 (Downgradient) - TOGS 1.1.1 exceedances for turbidity, color, phenolics, TDS, iron, magnesium, and manganese were reported during this sampling event. Turbidity, TDS, iron, magnesium, and manganese have consistently exceeded their applicable standard at this downgradient monitoring well. Values of these parameters have decreased when compared to 2014, 2015, and 2017 results and are at the lower end of their published historical range. The reported result for phenolics is associated with a "J" qualifier which indicates that the result is above the laboratory method detection limit; however, it is approximated below the laboratory reporting limit.

- MW-233S (Upgradient) - TOGS 1.1.1 exceedances for nitrate, manganese, and selenium were reported during this sampling event.

- MW-233D (Upgradient) - TOGS 1.1.1 exceedance for sodium was reported. Analytical results for this upgradient monitoring well are similar to the reported results for 2015 and 2017.

- MW-245S (Downgradient) - TOGS 1.1.1 exceedances for color, phenolics, TDS, turbidity, arsenic, iron, manganese, and sodium were reported during this sampling event. The reported result for phenolics is associated with a "J" qualifier which indicates that the result is above the laboratory method detection limit; however, it is approximated below the laboratory reporting limit. Phenolics, TDS, iron, manganese, and sodium have consistently exceeded their applicable standard at this downgradient monitoring well. Values of these parameters, except sodium, have decreased when compared to 2014, 2015, and 2017 results. The reported result for phenolics is associated with a "J" qualifier which indicates that the result is above the laboratory method detection limit; however, it is approximated below the laboratory reporting limit. Sodium concentrations have steadily increased since 2012; the 2018 sodium results were similar to the 2017 sodium result.

- MW-245D (Downgradient) - TOGS 1.1.1 exceedances for ammonia, color, turbidity, iron, and sodium were reported. Ammonia, turbidity, iron, and sodium consistently exceed their applicable standard. Ammonia levels slightly increased compared to 2017 results but is notably lower than 2012, 2013, and 2014 levels. Iron concentrations were similar to 2017 results and within the published historical range. Sodium concentrations are also within the published historical range and have steadily decreased since 2014.

- PZ-4 (Downgradient) - TOGS 1.1.1 exceedances for turbidity, TDS, iron, magnesium, manganese, and sodium were reported during this sampling event. TDS, iron, and manganese have consistently exceeded TOGS 1.1.1 standards. Water quality parameter results for turbidity, TDS, and magnesium were stable and remain at the lower end of the published historical range. Iron and manganese concentrations increased as compared to 2015 and 2017 results. The reported concentrations for sodium have steadily increased when compared to 2014, 2015, and 2017 results.

3.2 Surface Water Quality

The 2018 analytical data for site surface water are presented in Table 4. The surface water samples were collected from downstream surface water monitoring locations SW-5 and SW-8 and upstream surface water monitoring location SW-13.

Reported concentrations for iron exceeded the TOGS 1.1.1 Class C surface water quality standard of 0.3 mg/L at SW-13 (0.71 mg/L), SW-5 (1.05 mg/L) and SW-8 (0.841 mg/L). Review of historical concentrations (1999 - 2017) indicate that 2018 iron results for SW-8 and SW-13 were lower than 2017 and near the middle limits of the historical range. The 2018 iron concentrations at SW-5 were on the higher end of past reported concentrations at this location.

There were no VOCs detected above method detection limits in any of the surface water samples collected. No water quality parameters or other total recoverable metals, besides iron, exceeded standards or guidance values. A comparison of upstream (background conditions) to downstream water quality indicates that no downstream surface water results exceeded upstream conditions, including water quality parameters such as alkalinity, ammonia, chloride, magnesium, and sodium.

3.3 Leachate Quality

The 2018 analytical results for leachate collected from manhole 7 (MH-7) and manhole 15 (MH-15) are summarized in Table 5 and are generally consistent with previous results. Leachate water quality is generally characterized by detectable to elevated concentrations of leachate indicators such as alkalinity, ammonia, COD, chloride, hardness, nitrate, sulfate, TDS, TKN, and TOC and inorganic parameters, including aluminum, antimony, arsenic, barium, boron, calcium, chromium (total), cobalt, copper, iron, lead, magnesium, manganese, nickel, potassium, sodium, and zinc. Inorganic parameters that were not detected include: beryllium, cadmium, hexavalent chromium, mercury, selenium, silver, and thallium.

The VOCs 1,4-dichlorobenzene (3.3 µg/L), benzene (11 µg/L), chlorobenzene (21 µg/L), chloroethane (estimated as 1.5 µg/L), ethylbenzene (11 µg/L), o-xylene (6 µg/L), and total xylenes (6 µg/L) were detected at MH-7; 1,4-dichlorobenzene (estimated as 1.5 µg/L), benzene (estimated as 0.29 µg/L), and chloroethane (3.5 µg/L) were detected at MH-15.

3.4 Air Quality

In accordance with the SMP, Landfill gas monitoring consists of measuring explosive gas (Lower Explosive Limit, or LEL) and VOCs in the headspace at each monitoring well/piezometer and leachate manholes MH-7 and MH-15 and along the Landfill perimeter at designated locations shown on Figure 3. Explosive gas measurements were obtained with a QRAE multi-gas monitor while VOC measurements were obtained with a miniRAE 3000 photoionization detector (PID). VOCs are also analyzed in post-closure groundwater and surface water samples.

Explosive gas was detected at wells MW-222, MW-303S, and MW-303D with LEL readings of >100%, >100%, and >100%, respectively. All air monitoring locations measured no VOCs and 0% LEL.

A perimeter explosive gas survey was performed on April 20, 2018. Lower Explosive Level (LEL) gas measurements were collected at approximately 100-foot intervals from the subsurface Landfill perimeter from temporary probe holes installed at depths of 12 to 18 inches. A detection of 10% LEL was observed along the western perimeter of the Landfill immediately north of the MW-223 monitoring well pair. Two (2) additional readings were taken, each ten (10) feet farther from the Landfill perimeter and both exhibited readings of 0.0% LEL. This indicates that explosive gas is not migrating off the Landfill property and remains localized. STERLING will continue to monitor explosive gas. The April 2018 air quality monitoring survey for explosive gas, H_2S, and VOCs indicated the Landfill is in full compliance with the requirements set forth in 6 NYCRR 360-2.15(k)(4) and 2.17(f).

3.5 Seeps

In accordance with the SMP, observation for leachate outbreaks is the focus of weekly inspections performed by Orange County personnel. Conditions indicative of leachate outbreaks, such as wet spots, dead vegetation, surface sloughing or discoloration are documented, if present. Further, weekly inspection in the historical leachate seep area included photo-documentation and collection of hydrogeologic data. Based on this information, the surface water level in the historic leachate seep area was lower than the seep elevation of 357.25 feet amsl during the following periods: September 1 and 2, 2017, September 8, 2017, and September 15 through October 23, 2017. The historic seep area was not exposed from January 1, 2018 through May 31, 2018.

Seep samples were not collected during September and October 2017 when the seeps were exposed, as discussions of the logistical plan to complete the tree removal and sediment excavation work were still underway. The County proceeded with arranging to mobilize a crane and procure stone. However, once the United States Army Corps of Engineers (USACE) permit became effective (October 29, 2017), heavy rains were experienced on October 30, 2017 and October 31, 2017 resulting in substantially increased water levels in the Canal. The water levels remained above the elevation of the seeps through the end of the reporting period (May 31, 2018). The County continues to monitor the water levels in the Canal and will proceed with the tree removal, sediment excavation and armoring as soon as conditions in the Canal are favorable.

Seep samples were not collected during the 2018 PCM sampling event as the water level in the Canal was above the seeps. In support of the ongoing seep evaluation, the County conducted weekly inspections of the seep locations.

4.0 INSTITUTIONAL/ENGINEERING CONTROL PLAN COMPLIANCE

The multiple institutional and engineering controls for the Landfill implemented by the RODs and documented in the SMP continue to be in place and performing as designed. These controls were reviewed and evaluated through this PRR.

4.1 Institutional Controls

Institutional Controls (IC) include non-physical means of enforcing a restriction on the use of real property that limits human and environmental exposure, restricts the use of groundwater, provides notice to the potential owners, operators, or members of the public, or prevents actions that would interfere with the effectiveness of the remedial program or with the effectiveness and/or integrity of operation, maintenance or monitoring activities at or pertaining to the Landfill property.

4.1.1 Deed Restrictions

The IC for the Landfill is in the form of a Declaration of Covenants and Restrictions filed with the deed for the Landfill property. The Declaration of Covenants and Restrictions was executed on June 13, 2014, and continues to protect both human health and the integrity of the Landfill. No uses, disturbances or interferences have been allowed by Orange County. Any future use to the Landfill footprint must be approved by Orange County and NYSDEC. The underlying groundwater is not a source of drinking water for nearby residents.

4.2 Engineering Controls

Engineering Controls (EC) include physical barriers or methods employed to actively or passively contain, stabilize, or monitor contamination, restrict the movement of contamination to ensure the long-term effectiveness of the remedial program, or eliminate potential exposure pathways to contamination. The following sections describe the ECs and their goals as part of the remedy for the Landfill from the ROD dated March 1998.

4.2.1 Part 360 Landfill Cover System

Installation of the standard Part 360 Landfill cover system (completed in November 1995) minimizes infiltration of precipitation to wastes and the resultant generation of leachate, and prevents the release of previously disposed wastes. The cover system is regularly inspected by Orange County to evaluate its performance and assess the physical condition of the following Landfill components: settlement and erosion of Landfill cover, vegetative growth, slope stability, damage due to presence of vector populations over or near Landfill cover (i.e., burrow holes), monitoring well and Landfill gas vent integrity, presence or absence of leachate outbreaks, surface water drainage structures, site fencing, gates and access roads, and evidence of trespassing. A completed Inspection Checklist, Institutional and Engineering Control Form, and select photographs from the annual site inspection and monthly site inspections are provided in Appendix A. The Landfill appears secure, stable, and the Landfill cover is intact with no evidence of stressed vegetation or damage due to settlement or active vectors. No evidence was observed of significant settlement or evidence of erosion of the Landfill cover. There were no observed leachate discharges or iron-stained soils during the Annual Landfill Inspection. The stormwater drainage system appeared to be functioning as designed.

During the monthly post-closure field inspections conducted throughout 2017 and beginning of 2018, the Landfill cover system was observed to be well maintained and remains in good condition. Completed inspection reports are included in Appendix A. No damage to the Landfill cover system was observed. Beyond the regular ongoing post-closure care, no actions or special maintenance is required for the Part 360 Landfill cover system at this time.

4.2.2 Leachate Collection System

The leachate collection system is located along the perimeter of the waste mass. Leachate from the waste mass is collected by underground pipes which flow by gravity to sumps. From these sumps, leachate is pumped into aboveground storage tanks (ASTs) where it is regularly removed for offsite treatment. Modifications to the collection system were introduced with the March 1998 ROD where approximately 950 feet of additional leachate collection piping was installed to contain leachate outbreaks encountered during excavation of a new drainage ditch along the southeastern perimeter road.

The perimeter leachate collection system continues to function as designed. Records regarding leachate removal and treatment are provided in Appendix B. The total leachate removed from the Landfill between February 1, 2017 and May 31, 2018 was 581,364 gallons for treatment at an offsite permitted facility.

4.2.3 Groundwater Monitoring Wells

Existing groundwater monitoring wells are located along the upgradient, crossgradient, and downgradient perimeter of the Landfill waste mass. The wells are used to monitor groundwater quality around the Landfill property. Monitoring wells are routinely checked for sediment buildup in the well using depth to bottom measurements and the integrity of the outer casing, lid and lock. These monitoring wells are sampled every fifth quarter for 6 NYCRR Part 360 Baseline Parameters for indication of contamination by the Landfill waste mass.

Monitoring wells MW-230D and the MW-235 well pair (MW-235S/MW-235D) were damaged by mowing activities. Accordingly, MW-233S (Overburden) and MW-233D (Bedrock) were sampled as substitutes for the upgradient well pair location for the 2018 sampling event. The County has updated the SMP groundwater monitoring program to memorialize the change in upgradient monitoring location from MW-230S/MW-230D to MW-233S/MW-233D, as documented in STERLING's previous Notification Letter to the NYSDEC Project Manager. Section 4.4.3 of the SMP has also been revised, removing MW-235S/MW-235D from the list of monitoring wells required to collect groundwater measurements given that they no longer exist (destroyed by mowing contractor) and groundwater flow patterns are well documented north of the closed Landfill. Overall, the monitoring well network is functioning as designed and Orange County will continue the approved annual monitoring program.

4.2.4 Surface Water Runoff Features

Surface water runoff features are located on and around the Landfill property. Terraces and riprap downchutes on the Landfill waste mass direct stormwater runoff to the Landfill perimeter drainage ditches successfully preventing the occurrence of standing water on the Landfill. The surface water runoff is directed into perimeter drainage ditches into drainage basins to reduce particulates and sediment before it ultimately enters into the Cheechunk Canal. These surface water runoff features are checked monthly for sediment buildup, overgrowth of vegetation, overflow of drainage ditches or basins, improper drainage of terraces and downchutes, and sloughing of the Landfill cover. Appendix A contains documentation of monthly inspections of the surface water runoff features in 2017 through May 31, 2018. Based on the observed conditions, no corrective measures are needed for the surface water management features. Orange County will continue to perform monthly inspections.

4.3 IC/EC Certification

As required by DER-10, Section 6.3(a), the completed and signed NYSDEC IE/EC Certification Form is provided as Appendix C. All ICs/ECs are in place and functioning as designed. The previously noted seeps between the Canal and Landfill are the subject of a NYSDEC approved Remedial Action Work Plan.

5.0 MONITORING PLAN COMPLIANCE

The Landfill was granted a post-closure monitoring variance by the NYSDEC in December 2002 reducing the monitoring of the Landfill from quarterly monitoring to every fifth quarter. The NYSDEC approved further modifications to the monitoring plan on August 5, 2014. Monitoring includes collection of groundwater, surface water, and leachate samples for analysis of 6 NYCRR Part 360 Baseline parameters, as well as water level measurements from select monitoring wells, and air quality monitoring. Monitoring wells and sample locations are shown on Figure 2. The following sections describe the monitoring requirements for groundwater, surface water, leachate, and air quality.

5.1 Groundwater Monitoring

The recently updated groundwater monitoring program provides for collection of water quality samples from one piezometer location (PZ-4) and six (6) monitoring wells spread out around the Landfill property. In addition, static water level measurements were measured from additional overburden and bedrock monitoring wells and piezometers around the Landfill perimeter. A groundwater contour map is provided in Figure 3.

Depth to water measurements were obtained at or near the Landfill perimeter to determine groundwater elevations in the overburden and upper bedrock aquifer systems. Groundwater flow direction in the overburden aquifer is to the east-southeast towards the Cheechunk Canal (see Figure 3). Groundwater flow direction in the bedrock aquifer is similar, which is consistent with historical reports. Groundwater gradients are similar in both aquifer systems and upward vertical gradients are noted throughout the Landfill perimeter. These vertical gradients are consistent with historical trends.

During the 2018 sampling event, groundwater samples were obtained from seven (7) monitoring wells at four (4) downgradient locations and one (1) upgradient location using low flow methodology and analyzed for 6 NYCRR Part 360 Baseline parameters. Since upgradient bedrock well MW-230D could not be sampled an upgradient sample was collected from the overburden hydrogeologic unit (MW-233S) and bedrock hydrogeologic unit (MW-233D) at the MW-233 well pair, which is located approximately 1,150 feet east of MW-230 well pair and upgradient of the Landfill.

As described in Section 3.1, results generally show groundwater samples collected upgradient and downgradient of the Landfill waste mass indicate no significant differences in data trends where exceedances were historically observed.

Overall, the groundwater monitoring program meets the remedial objectives by providing suitable means to determine the effectiveness of the selected remedy. Orange County will continue groundwater monitoring according to the approved SMP along with the recommended modification described above.

5.2 Surface Water Monitoring

The approved surface water monitoring program consists of annual sampling of three (3) locations (SW-13, SW-5, and SW-8) along the Cheechunk Canal adjacent to the Landfill footprint. These locations are located upgradient, cross-gradient, and downgradient of the Landfill (see Figure 2).

Surface water sampling for the 2018 event included sampling of the three (3) surface water monitoring locations in the Cheechunk Canal. These surface water samples were analyzed for 6 NYCRR Part 360 Baseline parameters and compared to TOGS 1.1.1 standards and guidance values. The surface water monitoring program meets the remedial objectives for the site in that it provides direct means to determine the effectiveness of the selected remedy. Orange County will continue surface water monitoring according to the approved SMP.

5.3 Leachate Monitoring

Leachate monitoring consisted of sampling of two (2) manhole locations, labeled MH-7 and MH-15, located on the eastern and western edges of the Landfill footprint respectively. During the 2018 monitoring event, leachate samples were collected from MH-7 and MH-15, which were analyzed for 6 NYCRR Part 360 Baseline parameters.

Section 4.2.1.1 of the approved SMP requires that if conditions indicative of leachate outbreaks such as wet spots, dead vegetation, surface sloughing or discoloration are observed near the Landfill, further remediation investigation is warranted to evaluate the condition and determine the appropriate corrective action. The leachate monitoring program is consistent with the approved SMP for the site. Orange County will continue leachate monitoring according to the approved SMP and will implement the following remedial measures when conditions in the Canal are conducive to undertaking the work, as detailed in the revised Remedial Action Work Plan (RAWP) and approved by the NYSDEC on March 20, 2017:

a) Excavation and removal of impacted soil at the seeps;
b) Installation of 250-foot long horizontal directional drill (HDD) recovery well. Contractor bids have been received and are under review;
c) Upgradient groundwater withdrawal by the installed HDD well to eliminate the seeps; and,
d) Offsite transportation and disposal of withdrawn upgradient groundwater.

Seep samples were not collected during September and October 2017 when the seeps were exposed, as discussions of the logistical plan to complete the tree removal and sediment excavation work were still underway. The County proceeded with arranging to mobilize a crane and the procurement of materials under the County bid for stone. However, once the United States Army Corps of Engineers (USACE) permit became effective (October 29, 2017), heavy rains were experienced on October 30, 2017 and October 31, 2017 resulting in substantially increased water levels in the Canal. The water levels remained above the elevation of the seeps through the end of the reporting period (May 31, 2018). The County continues to monitor the water levels in the Canal and will proceed with the tree removal, sediment excavation and armoring as soon as conditions in the Canal are favorable.

5.4 Air Quality Monitoring

Air quality monitoring includes field measurements of explosive gas and VOC levels in the headspaces of the manholes, piezometers, and monitoring wells sampled during each monitoring event. VOC analyses

are also performed on collected groundwater, surface water, and leachate samples. Results of the air quality monitoring are described in Section 3.4.

The air quality monitoring program meets the remedial objectives to evaluate the effectiveness of the selected remedy in that it provides a direct means to determine if Landfill gases are prevented from migration and buildup. Orange County will continue air quality monitoring according to the approved SMP.

6.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE

The Operation and Maintenance (O&M) Plan for the Landfill, outlined in the approved SMP, consists of the following components:

- Repair, if necessary, of the Landfill cover system in accordance with approved specification materials and methods;
- Annual mowing of the vegetated cover system;
- Annual or more frequent mowing of grass-lined ditches;
- Addition, if necessary, of soil amendments (fertilizer, lime) to the cover system;
- Annual or more frequent clearing of drainage swales, ditches and downchutes;
- Investigation of stressed vegetation and gas odors;
- Vector control;
- Snow plowing and upkeep of the perimeter access road;
- Collection, removal and disposal of leachate;
- Preventative maintenance of leachate pumps; and,
- Repair or replacement, if necessary, of monitoring wells and piezometers.

Between February 1, 2017 and May 31, 2018, the following O&M activities were performed:

- Monthly inspections of the Landfill cap and cover materials, surface water drainage features, monitoring wells, leachate collection system, and the Landfill property (Appendix A);
- Mowing of the Landfill cover system in June, July, August, and September 2017;
- Regular leachate removal from aboveground storage tanks for treatment at permitted facilities (Appendix B);
- Groundwater, surface water, leachate, and air quality monitoring performed on April 19, 2018 and April 20, 2018 (Field Forms provided in Appendix D); and,
- Weekly inspection of seeps.

Operational issues were addressed by Landfill staff, including:

- The Orange County inspector noted in the February 1, 2017 Monthly Inspection Report (Appendix A) that leachate collection tanks L-4 and L-5 were not functioning properly. The manhole pipe at L-4 was disconnected by the Orange County inspector as the pipe into the tank had a crack near the elbow. Cook, Orange County's contractor, was notified of the condition. A similar crack was observed in the pipe at L-5. The pipes were replaced by Cook on March 15, 2017.

- The October 2017 inspection identified problems at leachate collection tanks L-2, L-3, and L-4. The shut-off valve at L-2 was split open and required repair. An electrical problem was observed at L-3 as the red light was "on" and the pump was not functional. A similar problem was observed at L-4, which was empty. The Orange County inspector noted that the float had been adjusted by the Orange County inspector and, after moving it back, the pump turned on leachate started to be discharged into the tank. The inspector did note that the red light remained in the "on" position. Problems at L-2, L-3, and L-4 continued through early January 2018 as L-4 was put back online. Leachate collection tanks L-2 and L-3 remained as non-functional through May 31, 2018.

Operation and maintenance of the property continues to protect human health and the overall integrity of the Landfill. There were no deficiencies in complying with the O&M Plan over the February 1, 2017 through May 31, 2018 reporting period. The components of the remedy subject to O&M requirements (Landfill cover, gas venting and leachate collection systems, surface water runoff features are functioning as designed. The integrity of the monitoring network remains intact. Due to past damage at the MW-230 well pair (MW-230D), upgradient well pair MW-233 (MW-233S/MW-233D) was used as a suitable replacement for the 2018 PCM sampling event. The SMP has been updated accordingly. Regular inspections performed by Orange County personnel continue to show compliance with the March 1998 remedy determined for the Landfill, with the exception of the seeps. Orange County will implement the following approved remedial measures in 2018:

a) Tree removal within the sediment removal work zone;
b) Excavate and remove impacted soil at the seep area when USACE permit is issued;
c) Install, develop and test HDD well to withdraw upgradient groundwater; and,
d) Develop an onsite groundwater treatment system as set forth in the RAWP.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The Landfill continues to comply with the required activities set forth in the SMP for the subject reporting period. The ICs and ECs implemented at the Site continue to function as designed. The environmental monitoring plan for the Landfill is ongoing and remains in accordance with the approved variance granted by the NYSDEC in August 2014. Orange County will continue to perform regular inspections to maintain the integrity of the Landfill and surrounding property and protect human health and the environment.

The following conclusions are made based on observations and analytical results collected during the reporting period (February 1, 2017 through May 31, 2018):

- Groundwater flow direction in the overburden and bedrock aquifer systems is to the east-southeast towards the Cheechunk Canal. Groundwater gradients are similar in both aquifer systems and upward vertical gradients are noted throughout the Landfill perimeter.

- No site-related VOCs were detected at or above the respective laboratory method detection limits.

- Applicable TOGS 1.1.1 groundwater standards were exceeded for ammonia, nitrate, phenolics, TDS, arsenic, iron, magnesium, manganese, selenium, and sodium, as described in Section 3.1.

- Groundwater quality results indicate no significant differences in data trends where exceedances were historically observed.

- Applicable TOGS 1.1.1 Class C surface water standard was exceeded for iron at all surface water sampling locations (SW-5, SW-8, and SW-13). A comparison of upstream (background conditions) to downstream surface water quality indicates that no downstream surface water results exceeded upstream conditions, including water quality parameters historically tracked such as alkalinity, ammonia, chloride, hardness, magnesium, and sodium.

- The 2018 analytical results for leachate collected from onsite manholes are consistent with previous results.

- The April 2018 air quality monitoring survey for explosive gas, H_2S, and VOCs indicated the Landfill is in full compliance with the requirements set forth in 6 NYCRR 360-2.15(k)(4) and 2.17(f).

- The County revised the SMP groundwater monitoring program to memorialize the change in upgradient well pair from MW-230S/MW-230D to MW-233S/MW-233D as documented in STERLING's previous Notification Letters to the NYSDEC Project Manager. Section 4.4.3 of the SMP was also revised to remove MW-235S/MW-235D from the list of wells required to collect groundwater measurements given that they no longer exist (destroyed by mowing contractor) and groundwater flow patterns are well documented north of the closed Landfill.

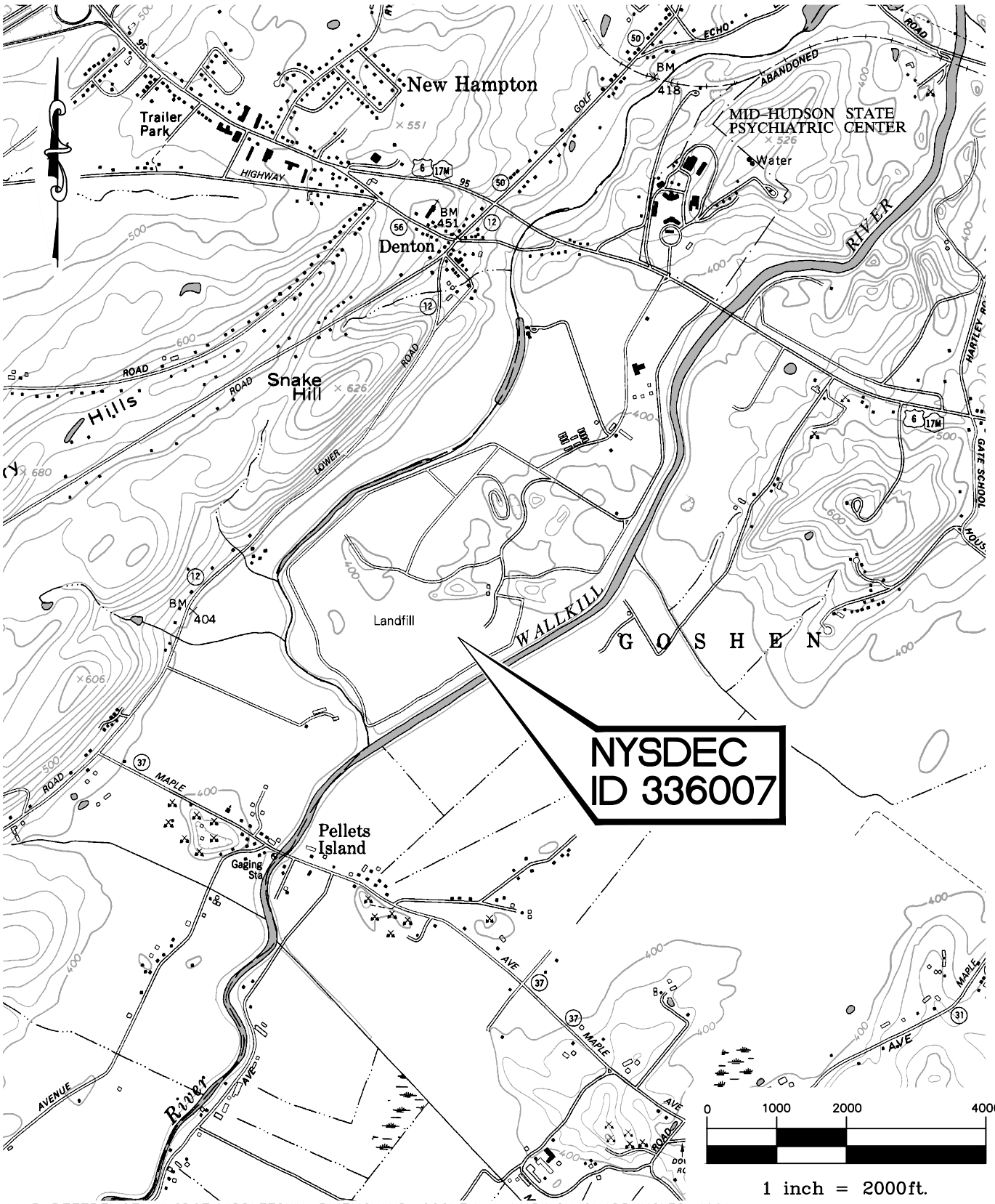
- The Landfill appears secure, stable, and the Landfill cover is intact with no evidence of stressed vegetation, damage due to settlement, erosion or active vectors.

- The stormwater drainage system appears to be functioning as designed.

- In support of the ongoing seep issue, Orange County conducted weekly inspections of the seep locations and will continue to pursue implementation of the approved RAWP.

S:\Sterling\Projects\2010 Projects\Orange County - 2010-15\Reports\Periodic Review Report\2018\2018_6-26_Orange County LF PRR.docx

FIGURES



MAP REFERENCE: NYSDOT MIDDLETOWN, PINE ISLAND, GOSHEN, & WARWICK QUADRANGLES, 1991.

STERLING

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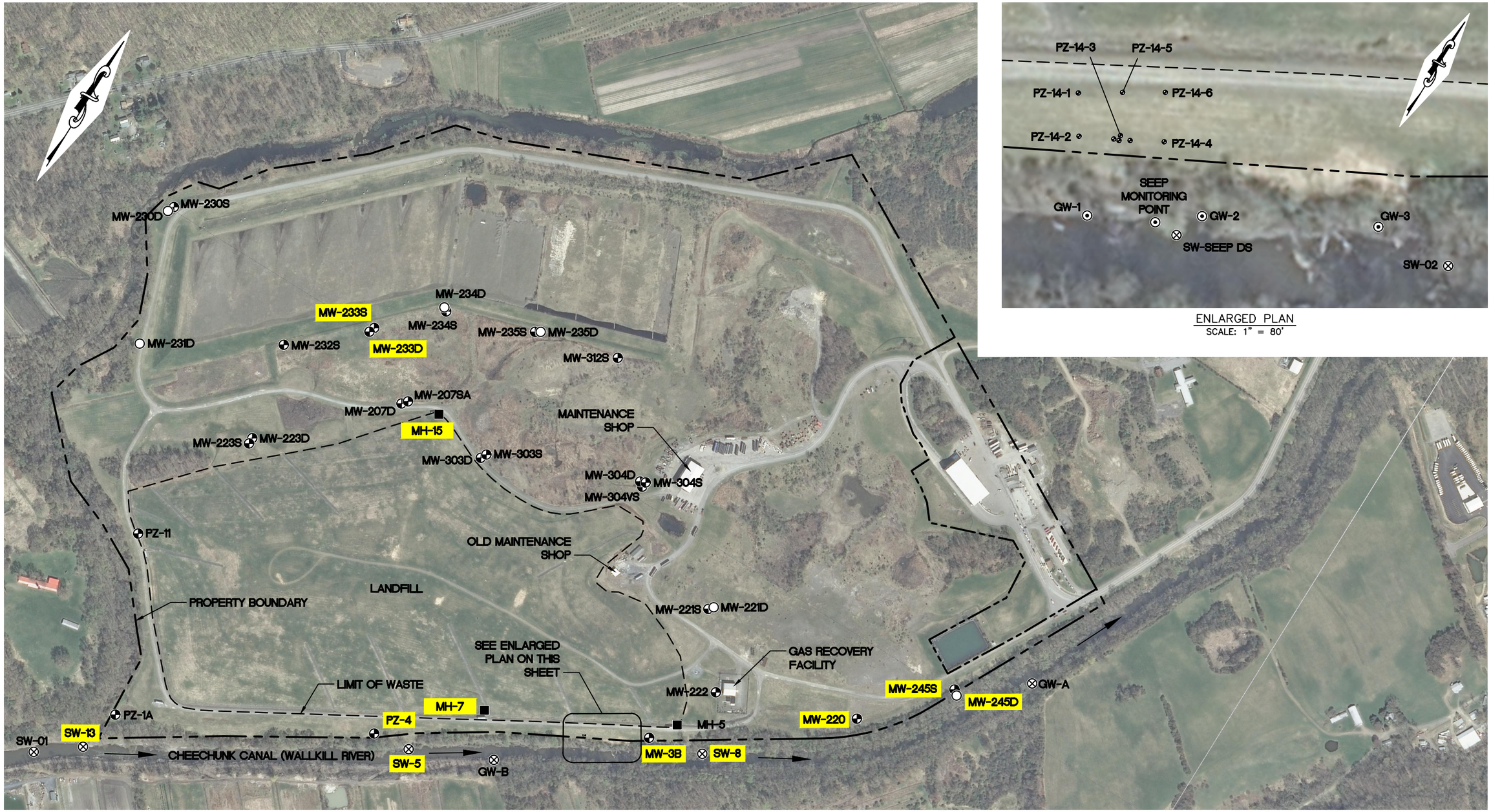
SITE LOCATION MAP

ORANGE CO. DEPT. OF PUBLIC WORKS

ORANGE COUNTY LANDFILL

TOWN OF GOSHEN — ORANGE CO., N.Y.

PROJ. No.: 2013–29	DATE: 1/30/15	SCALE: 1" = 2000'	DWG. NO. 2010–15054	FIGURE 1



ENLARGED PLAN
SCALE: 1" = 80'

LEGEND:

MW-245S	OVERBURDEN MONITORING WELL AND PIEZOMETER LOCATION
MW-245D	BEDROCK MONITORING WELL LOCATION
MH-7	LEACHATE SAMPLING LOCATION
GW-1	SEEP MONITORING LOCATION
SW-5	SURFACE WATER SAMPLE LOCATION
MW-245S	AS PER 2014 SMP, SAMPLED FOR CHARACTERIZATION OF GROUNDWATER, SURFACE WATER OR LEACHATE QUALITY
— — — —	LIMIT OF WASTE
— - - -	PROPERTY BOUNDARY

0 250 500 1000

(IN FEET)
1 inch = 500 ft.

MAP REFERENCES:
1. PROPERTY BOUNDARY AND LIMIT OF WASTE FROM DRAWINGS ENTITLED "OVERALL PLAN AND RESTRICTED PARCEL," BY THOMAS J. BARRY, DATED FEBRUARY 14, 2013.
2. AERIAL PHOTOGRAPHY FROM NEW YORK STATWIDE DIGITAL ORTHOIMAGERY PROGRAM, PHOTOGRAPHY CIRCA 2013.

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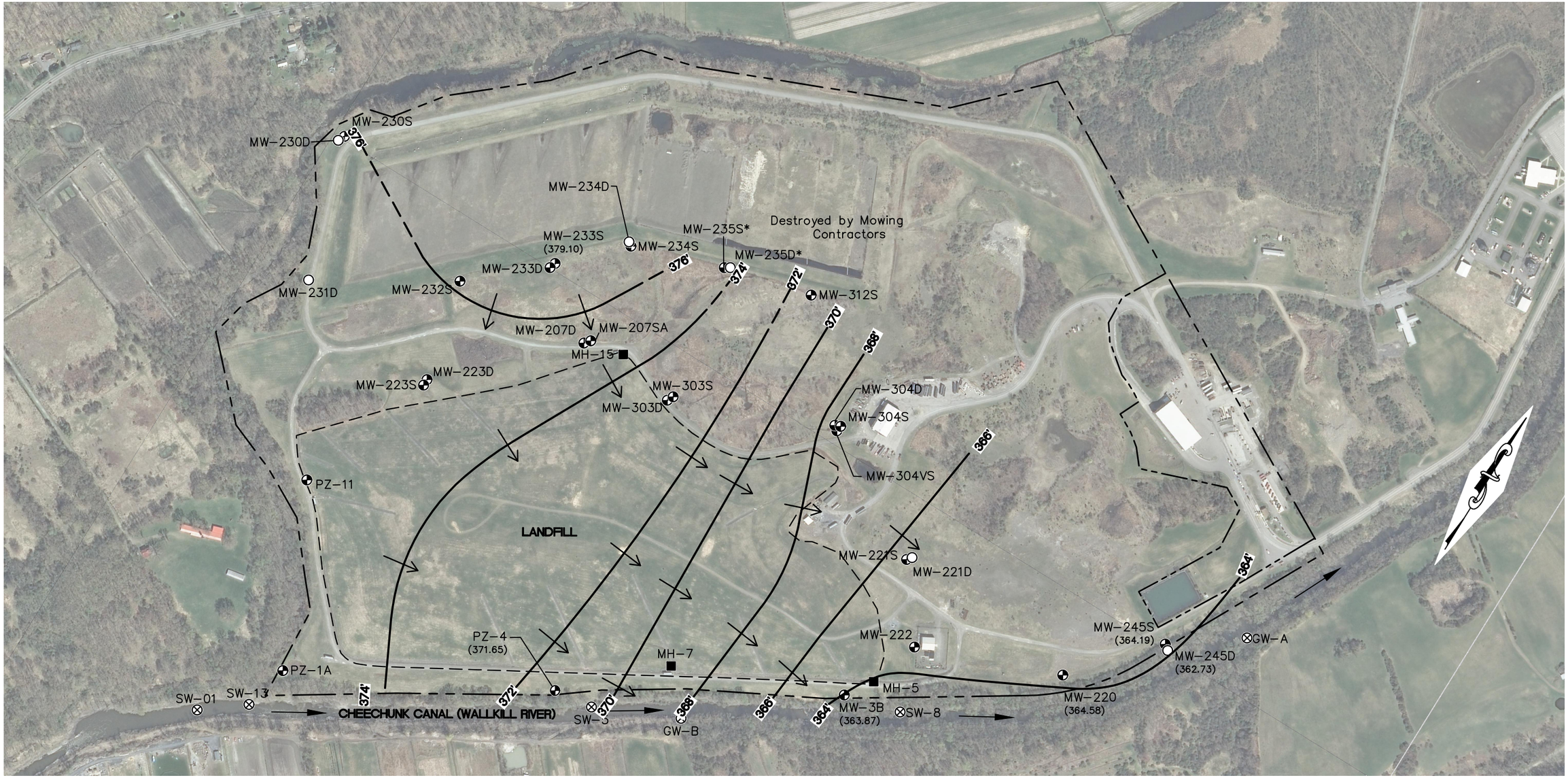
SAMPLE LOCATION MAP
ORANGE CO. DEPT. OF PUBLIC WORKS
ORANGE COUNTY LANDFILL
TOWN OF GOSHEN ORANGE CO., N.Y.

PROJ. No.:	DATE:	SCALE:	DWG. NO.	FIGURE
2010–15	12/3/14	1"=500'	2010–15039	2



0 250 500 1000

(IN FEET)
1 inch = 500 ft.

LEGEND:

370'	GROUNDWATER ELEVATION CONTOUR
→	INFERRED GROUNDWATER FLOW DIRECTION
MW-245S (364.19)	OVERBURDEN MONITORING WELL AND PIEZOMETER LOCATION WITH APRIL 20, 2018 GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL (AMSL))
MW-245D(362.73)	BEDROCK MONITORING WELL LOCATION WITH APRIL 20, 2018 GROUNDWATER ELEVATION (FEET AMSL)
MH-7	LEACHATE SAMPLING LOCATION
SW-5	SURFACE WATER SAMPLE LOCATION
— — — — —	LIMIT OF WASTE
—— - - ——	PROPERTY BOUNDARY

MAP REFERENCES:
1. PROPERTY BOUNDARY AND LIMIT OF WASTE FROM DRAWINGS ENTITLED "OVERALL PLAN AND RESTRICTED PARCEL," BY THOMAS J. BARRY, DATED FEBRUARY 14, 2013.
2. AERIAL PHOTOGRAPHY FROM NEW YORK STATWIDE DIGITAL ORTHOIMAGERY PROGRAM, PHOTOGRAPHY CIRCA 2013.

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GROUNDWATER CONTOUR MAP –
OVERBURDEN HYDROGEOLOGIC UNIT
ORANGE CO. DEPT. OF PUBLIC WORKS
ORANGE COUNTY LANDFILL
TOWN OF GOSHEN ORANGE CO., N.Y.

PROJ. No.:	DATE:	SCALE:	DWG. NO.	FIGURE
2010–15	06/13/2018	1"=500'	2010–15078	3

TABLES

TABLE 1

Summary of Field Parameter Measurements
April 19-20, 2018
Orange County Landfill, Goshen, New York

Parameter	Title 6 Part 703.3 Standards	Units	Groundwater Sample Locations							Surface Water Locations			Manhole Leachate	
			MW-233S	MW-233D	MW-220	MW-245D	MW-3B	MW-245S	PZ-4	SW-13	SW-5	SW-8	MH-7	MH-15
Static Water Level [1]	---	feet	10.19	15.34	14.36	28.35	22.56	26.94	10.69	---	---	---	---	---
Specific Conductivity	---	µS	0.711	0.990	1.111	0.856	1.304	1.172	1.171	0.403	0.404	0.421	8.639	1.514
Temperature	---	degrees C	6.62	7.55	9.63	8.72	10.06	9.54	10.43	5.71	5.71	4.75	8.69	6.74
pH	6.5<pH< 8.5	pH Units	**6.3**	6.9	**6.1**	6.6	**6.2**	**6.2**	6.5	7.0	6.9	7.0	**6.2**	6.9
ORP	--	mV	96.1	78.6	11.4	-48.4	-15.8	-29.5	66.7	75.4	57.8	19.3	-2.5	-4.9
Dissolved Oxygen [2]	> 6.0	mg/L	**2.41**	**3.05**	**0.71**	**0.63**	**2.4**	**2.43**	**2.09**	**2.62**	**2.97**	**3.03**	**2.58**	**1.88**
Turbidity	5.0	NTU	4.05	0.14	**45.7**	1.98	0.31	**48.2**	**7.10**	4.94	5.98	5.39	35.8	6.11

NOTES :

Values in **BOLD** indicate an exceedance of applicable water quality standard.

[1] Measured from the top of the PVC well to water surface.

[2] Dissolved Oxygen Standard applies to surface water samples only.

--- No standard or not measured.

Table 2
Summary of Water Elevation Measurements
April 19-20, 2018
Orange County Landfill, Goshen NY

Well I.D.	Measuring Point Elevation (ft)	Static Water Level (ft)	Groundwater Elevation (ft)
MW-220	378.94	14.36	364.58
MW-230D	385.35	Well Damaged	
MW-231D	387.67*	--	--
MW-232S	388.64	--	--
MW-233S	389.29	10.19	379.10
MW-233D	---	15.34	--
MW-245S	391.13	26.94	364.19
MW-245D	391.08	28.35	362.73
MW-3B	386.43	22.56	363.87
PZ-14-1[†]	390.27	24.53	365.74
PZ-14-2[†]	381.94	16.63	365.31
PZ-14-3[†]	381.83	17.45	364.38
PZ-14-4[†]	381.77	16.63	365.14
PZ-14-5[†]	392.22	DRY	--
PZ-14-6[†]	391.11	25.54	365.57
PZ-4	382.34	10.69	371.65

Notes:
NE = Not encountered
--- = Not measured or no available data
[†] = Measuring point elevation surveyed by Sterling Environmental Engineering, P.C. on September 6, 2014.
* = Measuring point elevation obtained from Table 3-2 of the Remedial Investigation Report for the Orange County Landfill - DRAFT, prepared by Stearns & Wheler, dated March 1995.

Table 3

Summary of Groundwater Analytical Results
April 19-20, 2018
Orange County Landfill, Goshen, New York

Analyte	Units	Groundwater Standard[A]	MW-233S 4/19/2018		MW-233D 4/19/2018		MW-220 4/20/2018		MW-245S 4/20/2018		MW-245D 4/20/2018		PZ-4 4/19/2018		MW-3B 4/20/2018	
Water Quality Parameters																
Alkalinity, Total	mg/L	---	282		186		445		361		260		600		565	
Ammonia	mg/L	2.0	0.098		0.036	J	0.065	J	0.14		**5.75**		0.084		1.91	
Biochemical Oxygen Demand	mg/L	---	2	U	2	U	2	U	2	U	4.5		2	U	2	U
Chemical Oxygen Demand	mg/L	---	6.1	J	10	U	10	U	11		10	U	8.4	J	11	
Chloride	mg/L	250	1.84		113		13.7		56.1		31.2		47.1		72.4	
Color	Color Units	15[B]	5	U	5	U	**85**		**42**		**33**		120	U	**23**	
Cyanide, Total	mg/L	0.2	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Hardness	mg/L	---	409		211		559		487		287		696		545	
Nitrate as N	mg/L	10	**13**		0.036		0.1	U	0.1	U	0.35		0.11		0.1	U
Phenolics, Total Recoverable	mg/L	0.001[C]	0.03	U	0.03	U	**0.007**	J	**0.007**	J	0.03	U	0.03	U	**0.008**	J
Sulfate	mg/L	250	139		129		158		183		115		90.8		31.8	
Total Dissolved Solids	mg/L	500	500		480		**670**		**720**		470		**640**		**710**	
Total Kjeldahl Nitrogen	mg/L	---	0.16	J	0.217	J	0.248	J	0.344		5.93		0.398		2.21	
Total Organic Carbon	mg/L	---	2.43		0.68	J	2.63		2.24		1.11		1.78		3.91	
Turbidity	NTU	5.0[B]	4.05		0.14		**45.7**		**48.2**		1.98		**7.10**		0.31	
Volatile Organic Compounds																
1,1,1,2-Tetrachloroethane	µg/L	5.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
1,1,1-Trichloroethane	µg/L	5.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
1,1,2-Trichloroethane	µg/L	1.0	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U
1,1-Dichloroethane	µg/L	5.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
1,1-Dichloroethene	µg/L	5.0	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
1,2-Dichlorobenzene	µg/L	3.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
1,2-Dichloroethane	µg/L	0.6	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
1,2-Dichloropropane	µg/L	5.0	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
1,3-Dichlorobenzene	µg/L	3.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
1,4-Dichlorobenzene	µg/L	3.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
2-Chloroethyl vinyl ether	µg/L	---	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Benzene	µg/L	1.0	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
Bromodichloromethane	µg/L	50	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
Bromoform	µg/L	50	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U
Bromomethane	µg/L	5.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
Carbon tetrachloride	µg/L	5.0	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
Chlorobenzene	µg/L	5.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
Chloroethane	µg/L	5.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
Chloroform	µg/L	7.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
Chloromethane	µg/L	5.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
cis-1,3-Dichloropropene	µg/L	---	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
Dibromochloromethane	µg/L	50	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
Dichlorodifluoromethane	µg/L	5.0	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Ethylbenzene	µg/L	5.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
Methylene Chloride	µg/L	5.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
m-Xylene & p-Xylene	µg/L	5.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
o-Xylene	µg/L	5.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
Tetrachloroethene	µg/L	5.0	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
Toluene	µg/L	5.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
trans-1,2-Dichloroethene	µg/L	5.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
trans-1,3-Dichloropropene	µg/L	---	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
Trichloroethene	µg/L	5.0	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
Trichlorofluoromethane	µg/L	5.0	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
Vinyl chloride	µg/L	2.0	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Xylenes, Total	µg/L	---	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
Total Metals																
Aluminum	mg/L	---	0.00582	J	0.0132		0.0222		0.316		0.01		2.58		0.0155	
Antimony	mg/L	0.003[C]	0.00065	J	0.0009	J	0.004	U	0.004	U	0.00079	J	0.00046	J	0.0005	J
Arsenic	mg/L	0.025	0.00049	J	0.0007		0.0171		**0.031**		0.00442		0.0224		**0.0493**	
Barium	mg/L	1.0	0.04709		0.0361		0.0671		0.0917		0.08159		0.07926		0.2187	
Beryllium	mg/L	0.003	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.00021	J	0.0005	U
Boron	mg/L	1	0.015	J	0.103		0.035		0.024	J	0.047		0.118		0.247	
Cadmium	mg/L	0.005	0.00006	J	0.0002	U	0.0002	U	0.0002	U	0.0001	J	0.0001	J	0.0002	U
Calcium	mg/L	---	113		50		160		145		73.7		198		160	
Chromium	mg/L	0.05	0.00046	J	0.0004	J	0.0005	J	0.0007	J	0.00073	J	0.00399		0.0003	J
Chromium, hexavalent	mg/L	2.0	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Copper	mg/L	0.05	0.00157		0.0008	J	0.0006	J	0.0012		0.00057	J	0.01344		0.0007	J
Iron	mg/L	0.3	0.0384	J	0.0633		**2.58**		**1.8**		**1.14**		**7.02**		**1.4**	
Lead	mg/L	0.025	0.001	U	0.0012		0.0009	J	0.0033		0.00167		0.00916		0.0005	J
Magnesium	mg/L	35	30.9		21		**39**		30.6		25.1		**49.3**		**35.4**	
Manganese	mg/L	0.3	**0.3138**		0.0186		**0.9784**		**1.708**		0.1592		**1.251**		**1.024**	
Mercury	mg/L	0.0007	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Nickel	mg/L	0.1	0.00125	J	0.0007	J	0.0013	J	0.0012	J	0.00167	J	0.00987		0.0089	
Potassium	mg/L	---	1.8		1.8		2.83		2.3		3.96		3.86		3.54	
Selenium	mg/L	0.01	**0.0283**		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Silver	mg/L	0.05	0.0004	U	0.0004	U	0.0004	U	0.0004	U	0.0004	U	0.0004	U	0.0004	U
Sodium	mg/L	20	1.46		**105**		12.8		**56.4**		**46**		**22.8**		**63.4**	
Thallium	mg/L	0.0005	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
Zinc	mg/L	2.0	0.01	U	0.0068	J	0.01	U	0.004	J	0.02504		0.02738		0.0048	J

Notes:

Values in **BOLD** indicate an exceedance of applicable water quality standard.
U = Sample concentration was not detected at or above the reporting limit.
J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
^ = Instrument related QC exceeds the control limits.
[A] = NY TOGs 1.1.1: Water Quality Stds & Guidance Values: GA Water Class for Standard and Guidance Values; Eff. June 1998
[B] = Standards based on EPA Part 5, Subpart 5-1 Public Water Systems - Tables 1 and 5.
[C] = The sample specific reporting limit does not support the applicable groundwater standard.
(1) = The sum of iron and manganese concentrations must not excede 0.5 mg/L.

Table 4

Summary of Surface Water Analytical Results
April 19-20, 2018
Orange County
Landfill, Goshen, New York

Analyte	Units	Surface Water Standard[A]	SW-5	SW-8	SW-13
Water Quality Parameters					
Alkalinity, Total	mg/L	---	74	77.4	73.4
Ammonia	mg/L	[1]	0.045 J	0.058 J	0.058 J
Biochemical Oxygen Demand	mg/L	---	2 U	3	2 U
Chemical Oxygen Demand	mg/L	---	25	25	27
Chloride	mg/L	---	58.9	60.8	58.4
Color	Color Units	---	56	58	46
Cyanide, Total	mg/L	0.0052	0.005 U	0.005 U	0.005 U
Hardness as calcium carbonate	mg/L	---	108	112	106
Nitrate as N	mg/L	---	0.056	0.058	0.046
Phenolics, Total Recoverable	mg/L	0.001[2]	0.03 U	0.03 U	0.03 U
Sulfate	mg/L	---	16.4	16.8	17.5
Total Dissolved Solids	mg/L	---	150	210	170
Total Kjeldahl Nitrogen	mg/L	---	0.826	0.903	0.852
Total Organic Carbon	mg/L	---	6.70	6.35	6.77
Turbidity	NTU	---	5.98	5.39	4.94
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	---	2.5 U	2.5 U	2.5 U
1,1,1,2-Tetrachloroethane	µg/L	---	2.5 U	2.5 U	2.5 U
1,1,2-Trichloroethane	µg/L	---	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	µg/L	---	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	µg/L	---	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	5 [3]	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	µg/L	---	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	µg/L	---	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	5 [3]	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	µg/L	5 [3]	2.5 U	2.5 U	2.5 U
2-Chloroethyl vinyl ether	µg/L	---	10 U	10 U	10 U
Benzene	µg/L	10	0.5 U	0.5 U	0.5 U
Bromodichloromethane	µg/L	---	0.5 U	0.5 U	0.5 U
Bromoform	µg/L	---	2 U	2 U	2 U
Bromomethane	µg/L	---	2.5 U	2.5 U	2.5 U
Carbon tetrachloride	µg/L	---	0.5 U	0.5 U	0.5 U
Chlorobenzene	µg/L	5	2.5 U	2.5 U	2.5 U
Chloroethane	µg/L	---	2.5 U	2.5 U	2.5 U
Chloroform	µg/L	---	2.5 U	2.5 U	2.5 U
Chloromethane	µg/L	---	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	µg/L	---	0.5 U	0.5 U	0.5 U
Dibromochloromethane	µg/L	---	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	µg/L	---	5 U	5 U	5 U
Ethylbenzene	µg/L	17	2.5 U	2.5 U	2.5 U
Methylene Chloride	µg/L	200	2.5 U	2.5 U	2.5 U
m-Xylene & p-Xylene	µg/L	65 [3]	2.5 U	2.5 U	2.5 U
o-Xylene	µg/L	65 [3]	2.5 U	2.5 U	2.5 U
Tetrachloroethene	µg/L	1.0	0.5 U	0.5 U	0.5 U
Toluene	µg/L	6,000	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	µg/L	---	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	µg/L	---	0.5 U	0.5 U	0.5 U
Trichloroethene	µg/L	40	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	µg/L	---	2.5 U	2.5 U	2.5 U
Vinyl chloride	µg/L	---	1 U	1 U	1 U
Xylenes, Total	µg/L	65	2.5 U	2.5 U	2.5 U
Metals, Total Recoverable					
Aluminum	mg/L	0.1	0.532	0.429	0.334
Antimony	mg/L	---	0.004 U	0.004 U	0.00061 J
Arsenic	mg/L	0.15[4]	0.00096	0.0008	0.00089
Barium	mg/L	---	0.01744	0.01659	0.0154
Beryllium	mg/L	[5]	0.0005 U	0.0005 U	0.0005 U
Boron	mg/L	10	0.015 J	0.014 J	0.015 J
Cadmium	mg/L	[5]	0.0002 U	0.0002 U	0.0002 U
Calcium	mg/L	---	28.3	30.3	27.8
Chromium	mg/L	[5]	0.00093 J	0.00084 J	0.00069 J
Chromium, hexavalent	mg/L	[5]	0.01 U	0.01 U	0.01 U
Copper	mg/L	0.011[4]	0.00298	0.00264	0.00243
Iron	mg/L	0.3	**1.05**	**0.841**	**0.71**
Lead	mg/L	[5]	0.0011	0.00086 J	0.00082 J
Magnesium	mg/L	---	9.08	8.92	8.82
Manganese	mg/L	---	0.06991	0.05958	0.05663
Mercury	mg/L	0.7	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	[5]	0.00178 J	0.00144 J	0.00124 J
Potassium	mg/L	---	1.54	1.5	1.39
Selenium	mg/L	---	0.005 U	0.005 U	0.005 U
Silver	mg/L	---	0.0004 U	0.0004 U	0.0004 U
Sodium	mg/L	---	30.7	31.4	29.8
Thallium	mg/L	0.008[2]	0.0005 U	0.0005 U	0.0005 U
Zinc	mg/L	[5]	0.01166	0.01056	0.00886 J

Notes:

Values in **BOLD** indicate an exceedance of applicable water quality standard.

U = Compound is not detected at or above laboratory method detection limit.

J = Result is less than the laboratory reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

^ = Instrument related QC exceeds the control limits.

[A] = T.O.G.S. 1.1.1 Ambient Water Quality Standards for Class C Surface Water

[1] = Surface water standard for ammonia (mg/L) is interpolated using the temperatures and pH of the individual samples. SW-13 = 2.4; SW-5 = 2.4; and SW-8 = 2.4

[2] = Laboratory Method Detection Limit is greater than or equal to the applicable water quality standard.

[3] = Applies to the sum of 1,2-1,3-1,4-Dichlorobenzene, or Applies to each individual isomer, or applies to the sum of m-, o-, and p-xylenes, or applies to the sum of cis-trans 1,3-Dichloropropene.

[4] = Standard applies to the dissolved form, not total recoverable.

[5] = Surface Water Standard for Berylium, Cadmium, Chromium, Copper, Lead, Nickel, and Zinc are based on the individual sample's hardness.

Berylium (mg/L): SW-13 = 11; SW-5 = 11; and SW-8 = 11

Cadmium (mg/L): SW-13 = 0.004; SW-5 = 0.004; and SW-8 = 0.004

Chromium: (mg/L): SW-13 = 0.6 ; SW-5 = 0.61; and SW-8 = 0.63

Copper (mg/L): SW-13 = 0.01; SW-5 = 0.01; and SW-8 = 0.02

Lead (mg/L): SW-13 = 0.1; SW-5 = 0.12; and SW-8 = 0.12

Nickel (mg/L): SW-13 = 0.49; SW-5 = 0.49; and SW-8 = 0.52

Zinc (mg/L): SW-13 = 0.12; SW-5 = 0.13; and SW-8 = 0.13

Table 5

Summary of Leachate Analytical Results
April 19 20, 2018
Orange County Landfill, Goshen, New York

Analyte	Units	MH-7 4/20/2018		MH-15 4/20/2018	
Water Quality Parameters					
Alkalinity, Total	mg/L	2430		486	
Ammonia	mg/L	429		20.2	
Biochemical Oxygen Demand	mg/L	68		17	
Chemical Oxygen Demand	mg/L	600		46	
Chloride	mg/L	1260		64.9	
Color	Color Units	380		90	
Cyanide, Total	mg/L	0.005	U	0.005	U
Hardness as calcium carbonate	mg/L	697		404	
Nitrate as N	mg/L	0.062		0.037	
Phenolics, Total Recoverable	mg/L	0.008	J	0.03	U
Sulfate	mg/L	54.2		4.31	
Total Dissolved Solids	mg/L	3400		540	
Total Kjeldahl Nitrogen	mg/L	440		22	
Total Organic Carbon	mg/L	168		18.3	
Turbidity	NTU	2.58		1.88	
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	2.5	U	2.5	U
1,1,1,2-Tetrachloroethane	µg/L	2.5	U	2.5	U
1,1,2-Trichloroethane	µg/L	1.5	U	1.5	U
1,1-Dichloroethane	µg/L	2.5	U	2.5	U
1,1-Dichloroethene	µg/L	0.5	U	0.5	U
1,2-Dichlorobenzene	µg/L	2.5	U	2.5	U
1,2-Dichloroethane	µg/L	0.5	U	0.5	U
1,2-Dichloropropane	µg/L	1	U	1	U
1,3-Dichlorobenzene	µg/L	2.5	U	2.5	U
1,4-Dichlorobenzene	µg/L	3.3		1.5	J
2-Chloroethyl vinyl ether	µg/L	10	U	10	U
Benzene	µg/L	11		0.29	J
Bromodichloromethane	µg/L	0.5	U	0.5	U
Bromoform	µg/L	2	U	2	U
Bromomethane	µg/L	2.5	U	2.5	U
Carbon tetrachloride	µg/L	0.5	U	0.5	U
Chlorobenzene	µg/L	21		2.5	U
Chloroethane	µg/L	1.5	J	3.5	
Chloroform	µg/L	2.5	U	2.5	U
Chloromethane	µg/L	2.5	U	2.5	U
cis-1,3-Dichloropropene	µg/L	0.5	U	0.5	U
Dibromochloromethane	µg/L	0.5	U	0.5	U
Dichlorodifluoromethane	µg/L	5	U	5	U
Ethylbenzene	µg/L	11		2.5	U
Methylene Chloride	µg/L	2.5	U	2.5	U
m-Xylene & p-Xylene	µg/L	2.5	U	2.5	U
o-Xylene	µg/L	6		2.5	U
Tetrachloroethene	µg/L	0.5	U	0.5	U
Toluene	µg/L	2.5	U	2.5	U
trans-1,2-Dichloroethene	µg/L	2.5	U	2.5	U
trans-1,3-Dichloropropene	µg/L	0.5	U	0.5	U
Trichloroethene	µg/L	0.5	U	0.5	U
Trichlorofluoromethane	µg/L	2.5	U	2.5	U
Vinyl chloride	µg/L	1	U	1	U
Xylenes, Total	µg/L	6.0		2.5	
Metals, Total Recoverable					
Aluminum	mg/L	0.779		0.072	
Antimony	mg/L	0.00525		0.00078	J
Arsenic	mg/L	0.01339		0.00292	
Barium	mg/L	0.1615		0.08112	
Beryllium	mg/L	0.0005	U	0.0005	U
Boron	mg/L	2.9		0.209	
Cadmium	mg/L	0.0002	U	0.0002	U
Calcium	mg/L	158		127	
Chromium	mg/L	0.00927		0.00142	
Chromium, hexavalent	mg/L	0.01	U	0.01	U
Copper	mg/L	0.00664		0.00086	J
Iron	mg/L	13.7		17.5	
Lead	mg/L	0.00197		0.001	U
Magnesium	mg/L	73.7		21.3	
Manganese	mg/L	0.4421		1.44	
Mercury	mg/L	0.0002	U	0.0002	U
Nickel	mg/L	0.07741		0.0067	
Potassium	mg/L	179		15.1	
Selenium	mg/L	0.005	U	0.005	U
Silver	mg/L	0.0004	U	0.0004	U
Sodium	mg/L	781		52.2	
Thallium	mg/L	0.0002	J	0.0005	U
Zinc	mg/L	0.02358		0.01	U

Notes:
U = Sample concentration was not detected at or above the reporting limit.
J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
--- No standard or not measured.

APPENDIX A

ORANGE COUNTY LANDFILL POST-CLOSURE FIELD INSPECTION DOCUMENTS AND MONTHLY INSPECTION REPORTS

Staff Gauge Inspection Report for Wallkill River Near Orange County Landfill

Note: *Staff Gauge readings are to be performed once a week.*
Staff Gauge readings are to be performed the day after a storm event.
Staff Gauge zero mark approximately installed at elevation 356'.

Date / Initials		Staff Gauge Reading (Feet)	Approximate Elevation of water (Staff Gauge Reading + 356')	Reason for taking the Reading (Ex: Weekly Reading, or Storm Event Reading)	Additional Comments/Notes
4/29/2015	R.H.	3.00	359.00	Weekly Reading	Seep Covered
5/6/2015	R.H.	2.00	358.00	Weekly Reading	Seep Covered
5/13/2015	R.H.	2.00	358.00	Weekly Reading	Seep Covered
5/20/2015	R.H.	2.25	358.25	Weekly Reading	Seep Covered
5/27/2015	R.H.	2.75	358.75	Weekly Reading	Seep Covered
6/3/2015	K.S.	2.25	358.25	Weekly Reading	Seep Covered
6/10/2015	K.S.	2.25	358.25	Weekly Reading	Seep Covered
6/17/2015	R.H.	2.50	358.50	Weekly Reading	Seep Covered
6/24/2015	R.H.	2.25	358.25	Weekly Reading	Seep Covered
7/1/2015	R.H.	2.00	358.00	Weekly Reading	Seep Covered
7/8/2015	R.H.	2.00	358.00	Weekly Reading	Seep Covered
7/15/2015	R.H.	1.25	357.25	Weekly Reading	Seep Covered
7/22/2015	R.H.	1.00	357.00	Weekly Reading	Seep Exposed
7/29/2015	G.L.P.	0.75	356.75	Weekly Reading	Seep Exposed
8/5/2015	G.L.P.	0.50	356.50	Weekly Reading	Seep Exposed
8/12/2015	G.L.P.	1.25	357.25	Weekly Reading / Day After Storm Event	Seep Covered
8/19/2015	G.L.P.	0.25	356.25	Weekly Reading	Seep Exposed
8/26/2015	G.L.P.	0.50	356.50	Weekly Reading	Seep Exposed
9/2/2015	G.L.P.	0.25	356.25	Weekly Reading	Seep Exposed
9/9/2015	G.L.P.	0.25	356.25	Weekly Reading	Seep Exposed
9/11/2015	G.L.P.	0.75	356.75	Day After Storm Event	Seep Exposed
9/15/2015	G.L.P.	1.25	357.25	Day After Storm Event	Seep Covered
9/16/2015	G.L.P.	1.00	357.00	Weekly Reading	Seep Exposed
9/23/2015	G.L.P.	0.25	356.25	Weekly Reading	Seep Exposed
9/28/2016	G.L.P.	5.00	361.00	Weekly Reading / Day After Storm Event	Seep Covered
10/5/2015	G.L.P.	3.25	359.25	Weekly Reading	Seep Covered
10/8/2015	G.L.P.	1.75	357.75	Weekly Reading	Seep Covered
10/15/2015	G.L.P.	1.00	357.00	Weekly Reading	Seep Exposed
10/16/2015	G.L.P.	1.25	357.25	Weekly Reading / Day After Storm Event	Seep Covered
10/29/2015	G.L.P.	4.50	360.50	Weekly Reading / Day After Storm Event	Seep Covered
11/4/2015	G.L.P.	1.75	357.75	Weekly Reading	Seep Covered
11/13/2015	G.L.P.	3.00	359.00	Weekly Reading / Day After Storm Event	Seep Covered
11/16/2015	G.L.P.	2.25	358.25	Weekly Reading	Seep Covered
11/18/2015	G.L.P.	2.00	358.00	Weekly Reading	Seep Covered
11/20/2015	G.L.P.	4.00	360.00	Day After Storm Event	Seep Covered
11/27/2015	G.L.P.	2.00	358.00	Weekly Reading	Seep Covered
12/3/2015	G.L.P.	4.50	360.50	Weekly Reading / Day After Storm Event	Seep Covered
12/4/2015	G.L.P.	4.00	360.00	Weekly Reading	Seep Covered
12/11/2015	G.L.P.	2.00	358.00	Weekly Reading	Seep Covered
12/18/2015	G.L.P.	4.75	360.75	Weekly Reading / Day After Storm Event	Seep Covered
12/24/2015	G.L.P.	6.00	362.00	Weekly Reading / Day After Storm Event	Seep Covered
12/31/2015	G.L.P.	6.00	362.00	Weekly Reading / Day After Storm Event	Seep Covered
1/8/2016	G.L.P.	3.00	359.00	Weekly Reading	Seep Covered
1/13/2016	G.L.P.	5.00	361.00	Weekly Reading	Seep Covered
1/22/2016	G.L.P.	2.75	358.75	Weekly Reading	Seep Covered
1/29/2016	G.L.P.	2.50	358.50	Weekly Reading	Seep Covered
2/5/2016	G.L.P.	5.75	361.75	Weekly Reading	Seep Covered
2/8/2016	G.L.P.	3.75	359.75	Weekly Reading	Seep Covered
2/11/2016	G.L.P.	3.00	359.00	Weekly Reading	Seep Covered
2/19/2016	G.L.P.	5.00	361.00	Weekly Reading	Seep Covered
2/22/2016	G.L.P.	3.50	359.50	Weekly Reading	Seep Covered
2/25/2016	G.L.P.	Above 8.50	#VALUE!	Weekly Reading	Seep Covered
2/29/2016	G.L.P.	7.75	363.75	Weekly Reading	Seep Covered
3/4/2016	G.L.P.	4.50	360.50	Weekly Reading	Seep Covered
3/11/2016	G.L.P.	3.00	359.00	Weekly Reading	Seep Covered
3/16/2016	G.L.P.	3.00	359.00	Weekly Reading	Seep Covered
3/18/2016	G.L.P.	2.75	358.75	Weekly Reading	Seep Covered
3/25/2016	G.L.P.	2.00	358.00	Weekly Reading	Seep Covered
4/1/2016	G.L.P.	1.75	357.75	Weekly Reading	Seep Covered
4/8/2016	G.L.P.	3.25	359.25	Weekly Reading / Day After Storm Event	Seep Covered
4/15/2016	G.L.P.	2.25	358.25	Weekly Reading	Seep Covered
4/22/2016	G.L.P.	1.50	357.50	Weekly Reading	Seep Covered
4/29/2016	G.L.P.	1.50	357.50	Weekly Reading/Currently Raining	Seep Covered
5/4/2016	G.L.P.	5.25	361.25	Weekly Reading	Seep Covered
5/6/2016	G.L.P.	4.00	360.00	Weekly Reading/Day After Rain Storm	Seep Covered
5/12/2016	G.L.P.	2.75	358.75	Weekly Reading	Seep Covered

Staff Gauge Inspection Report for Wallkill River Near Orange County Landfill

Note: *Staff Gauge readings are to be performed once a week.*
Staff Gauge readings are to be performed the day after a storm event.
Staff Gauge zero mark approximately installed at elevation 356'.

Date / Initials		Staff Gauge Reading (Feet)	Approximate Elevation of water (Staff Gauge Reading + 356')	Reason for taking the Reading (Ex: Weekly Reading, or Storm Event Reading)	Additional Comments/Notes
5/19/2016	G.L.P.	2.25	358.25	Weekly Reading	Seep Covered
5/27/2016	G.L.P.	1.25	357.25	Weekly Reading	Seep Covered
5/31/2016	G.L.P.	1.25	357.25	Weekly Reading	Seep Covered
6/9/2016	G.L.P.	1.50	357.50	Weekly Reading	Seep Covered
6/13/2016	G.L.P.	1.00	357.00	Weekly Reading	Seep Exposed
6/17/2016	G.L.P.	0.75	356.75	Weekly Reading	Seep Exposed
6/24/2016	G.L.P.	0.50	356.50	Weekly Reading	Seep Exposed
6/28/2016	G.L.P.	0.25	356.25	Weekly Reading	Seep Exposed
7/1/2016	G.L.P.	0.50	356.50	Weekly Reading	Seep Exposed
7/5/2016	G.L.P.	0.50	356.50	Weekly Reading	Seep Exposed
7/8/2016	G.L.P.	0.50	356.50	Weekly Reading	Seep Exposed
7/15/2016	G.L.P.	0.50	356.50	Weekly Reading	Seep Exposed
7/21/2016	G.L.P.	0.25	356.25	Weekly Reading	Seep Exposed
7/29/2016	G.L.P.	0.75	356.75	Weekly Reading	Seep Exposed
8/1/2016	G.L.P.	6.25	362.25	Weekly Reading / Day After Storm Event	Seep Covered
8/5/2016	G.L.P.	1.25	357.25	Day After Storm Event	Seep Covered
8/12/2016	G.L.P.	4.25	360.25	Day of Storm Event	Seep Covered
8/19/2016	G.L.P.	1.00	357.00	Weekly Reading	Seep Exposed
8/25/2016	G.L.P.	0.75	356.75	Weekly Reading	Seep Exposed
9/2/2016	G.L.P.	0.25	356.25	Weekly Reading	Seep Exposed
9/8/2016	G.L.P.	0.25	356.25	Weekly Reading	Seep Exposed
9/16/2016	G.L.P.	0.00	356.00	Weekly Reading	Seep Exposed
9/23/2016	G.L.P.	0.25	356.25	Weekly Reading	Seep Exposed
9/30/2016	G.L.P.	0.25	356.25	Weekly Reading	Seep Exposed
10/7/2016	G.L.P.	0.25	356.25	Weekly Reading	Seep Exposed
10/14/2016	G.L.P.	0.25	356.25	Weekly Reading	Seep Exposed
10/21/2016	G.L.P.	0.25	356.25	Weekly Reading	Seep Exposed
10/28/2016	G.L.P.	1.00	357.00	Weekly Reading	Seep Exposed
11/4/2016	G.L.P.	0.50	356.50	Weekly Reading	Seep Exposed
11/10/2016	G.L.P.	0.50	356.50	Weekly Reading	Seep Exposed
11/17/2016	G.L.P.	2.00	358.00	Weekly Reading	Seep Covered
11/18/2016	G.L.P.	1.50	357.50	Weekly Reading	Seep Covered
11/23/2016	G.L.P.	1.50	357.50	Weekly Reading	Seep Covered
11/30/2016	G.L.P.	4.25	360.25	Weekly Reading / Day After Storm Event	Seep Covered
12/1/2016	G.L.P.	7.75	363.75	Weekly Reading / Day After Storm Event	Seep Covered
12/9/2016	G.L.P.	3.25	359.25	Weekly Reading	Seep Covered
12/16/2016	G.L.P.	2.00	358.00	Weekly Reading	Seep Covered
12/23/2016	G.L.P.	2.25	358.25	Weekly Reading	Seep Covered
12/29/2016	G.L.P.	3.00	359.00	Weekly Reading	Seep Covered
1/5/2017	G.L.P.	4.50	360.50	Weekly Reading	Seep Covered
1/6/2017	G.L.P.	3.75	359.75	Weekly Reading	Seep Covered
1/11/2017	G.L.P.	2.50	358.50	Weekly Reading	Seep Covered
1/12/2017	G.L.P.	3.25	359.25	Weekly Reading	Seep Covered
1/20/2017	G.L.P.	3.50	359.50	Weekly Reading	Seep Covered
1/27/2017	G.L.P.	6.50	362.50	Weekly Reading	Seep Covered
2/3/2017	G.L.P.	3.25	359.25	Weekly Reading	Seep Covered
2/10/2017	G.L.P.	3.25	359.25	Weekly Reading	Seep Covered
2/17/2017	G.L.P.	3.25	359.25	Weekly Reading	Seep Covered
2/24/2017	G.L.P.	5.00	361.00	Weekly Reading	Seep Covered
3/2/2017	G.L.P.	5.25	361.25	Weekly Reading	Seep Covered
3/10/2017	G.L.P.	3.50	359.50	Weekly Reading	Seep Covered
3/17/2017	G.L.P.	3.50	359.50	Weekly Reading	Seep Covered
3/24/2017	G.L.P.	5.00	361.00	Weekly Reading	Seep Covered
3/27/2017	G.L.P.	7.75	363.75	Weekly Reading	Seep Covered
3/30/2017	G.L.P.	Above 8.50	#VALUE!	Weekly Reading	Seep Covered
4/7/2017	G.L.P.	Above 8.50	#VALUE!	Weekly Reading / Day After Storm Event	Seep Covered
4/14/2017	G.L.P.	5.75	361.75	Weekly Reading	Seep Covered
4/20/2017	G.L.P.	4.50	360.50	Weekly Reading	Seep Covered
4/28/2017	G.L.P.	5.25	361.25	Weekly Reading	Seep Covered
5/4/2017	W.S	3.75	359.75	Weekly Reading	Seep Covered
5/12/2017	G.L.P.	3.25	359.25	Weekly Reading	Seep Covered
5/22/2017	G.L.P.	3.00	359.00	Weekly Reading	Seep Covered
5/26/2017	G.L.P.	7.50	363.50	Day After Storm Event	Seep Covered
6/2/2017	G.L.P.	4.25	360.25	Weekly Reading	Seep Covered
6/6/2017	G.L.P.	3.75	359.75	Day After Storm Event	Seep Covered
6/9/2017	G.L.P.	3.50	359.50	Weekly Reading	Seep Covered

Staff Gauge Inspection Report for Wallkill River Near Orange County Landfill

Note: *Staff Gauge readings are to be performed once a week.*
Staff Gauge readings are to be performed the day after a storm event.
Staff Gauge zero mark approximately installed at elevation 356'.

Date / Initials		Staff Gauge Reading (Feet)	Approximate Elevation of water (Staff Gauge Reading + 356')	Reason for taking the Reading (Ex: Weekly Reading, or Storm Event Reading)	Additional Comments/Notes
6/16/2017	G.L.P.	2.25	358.25	Weekly Reading	Seep Covered
6/20/2017	G.L.P.	8.50	364.50	Weekly Reading	Seep Covered
6/22/2017	G.L.P.	3.50	359.50	Weekly Reading	Seep Covered
6/30/2017	G.L.P.	1.50	357.50	Weekly Reading	Seep Covered
7/7/2017	G.L.P.	1.50	357.50	Weekly Reading	Seep Covered
7/14/2017	G.L.P.	3.00	359.00	Weekly Reading	Seep Covered
7/21/2017	G.L.P.	2.25	358.25	Weekly Reading	Seep Covered
7/28/2017	G.L.P.	2.25	358.25	Weekly Reading	Seep Covered
8/4/2017	G.L.P.	3.00	359.00	Weekly Reading	Seep Covered
8/11/2017	G.L.P.	1.50	357.50	Weekly Reading	Seep Covered
8/17/2017	G.L.P.	2.50	358.50	Weekly Reading	Seep Covered
8/25/2017	G.L.P.	1.25	357.25	Weekly Reading / Staff Gauge Repaired	Seep Covered
9/1/2017	G.L.P.	0.75	356.75	Weekly Reading	Seep Exposed
9/8/2017	G.L.P.	2.25	358.25	Weekly Reading	Seep Covered
9/15/2017	G.L.P.	1.00	357.00	Weekly Reading	Seep Exposed
9/22/2017	G.L.P.	1.00	357.00	Weekly Reading	Seep Exposed
9/29/2017	G.L.P.	0.75	356.75	Weekly Reading	Seep Exposed
10/6/2017	G.L.P.	0.50	356.50	Weekly Reading	Seep Exposed
10/12/2017	G.L.P.	1.00	357.00	Weekly Reading	Seep Exposed
10/20/2017	G.L.P.	0.75	356.75	Weekly Reading	Seep Exposed
10/25/2017	G.L.P.	1.00	357.00	Weekly Reading	Seep Exposed
10/27/2017	G.L.P.	1.50	357.50	Weekly Reading	Seep Covered
10/31/2017	G.L.P.	7.75	363.75	Day After Storm Event	Seep Covered
11/3/2017	G.L.P.	3.50	359.50	Weekly Reading	Seep Covered
11/9/2017	G.L.P.	2.00	358.00	Weekly Reading	Seep Covered
11/17/2017	G.L.P.	1.75	357.75	Weekly Reading	Seep Covered
11/22/2017	G.L.P.	1.75	357.75	Weekly Reading	Seep Covered
11/28/2017	G.L.P.	1.50	357.50	Weekly Reading	Seep Covered
12/1/2017	G.L.P.	1.25	357.25	Weekly Reading	Seep Covered
12/8/2017	G.L.P.	1.50	357.50	Weekly Reading	Seep Covered
12/14/2017	G.L.P.	1.50	357.50	Weekly Reading	Seep Covered
12/22/2017	G.L.P.	1.25	357.25	Weekly Reading	Seep Covered
1/5/2018	G.L.P.	2.00	358.00	Weekly Reading	Seep Covered
1/12/2018	G.L.P.	2.75	358.75	Weekly Reading	Seep Covered
1/18/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
1/26/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
2/2/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
2/9/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
2/16/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
2/23/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
3/2/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
3/9/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
3/16/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
3/23/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
3/30/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
4/6/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
4/13/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
4/20/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
4/27/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
5/4/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
5/11/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
5/18/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
5/25/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos
5/31/2018	G.L.P.		No Staff Guage	No Staff Guage	Seep Covered / Verify with Photos

ANNUAL MONITORING AND MAINTENANCE OPERATIONS CHECKLIST
ORANGE COUNTY LANDFILL
YEAR 2017

TASK DESCRIPTION	TASK FREQUENCY	MONTH TASK WAS COMPLETED [2]											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Mowing	Bi-annually						✓ 6/23	7/12	✓ 8/09	9/13 9/6			
Monthly Inspections (Internal)	Monthly	K.S. 16th	KS 15th	KS 15th	K.S. 14th	KS 15th	KS 15th	KS 14th	K.S. 15th	K.S. 15th	K.S. 13th	K.S. 15th	K.S. 13th
Annual Post-Closure Monitoring Report Submitted to NYSDEC[1]	Every Fifth Quarter												
Periodic Review Report Submitted to NYSDEC	Annually												

[1] Annual Monitoring includes groundwater monitoring, surface water monitoring, leachate monitoring, and explosive gas monitoring.

[2] Upon completeion of the task, the appropriate space should be initial and dated by the person that completed the task.

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 1/16/17 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly	
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments
9.	Grass condition	☑ Good	☐ Poor	☐ Dead
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:_____
12.	Capped Gas Wells	☑ Good Condition	☐ Damaged*	
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*	
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)	
16.	Geomembrane liner exposed	☑ No	☐ Yes	
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)	
18.	Most recent mowing date: _____			
19.	Stressed vegetation	☑ No	☐ Yes*	
20.	Damage to leachate cleanouts	☑ No	☐ Yes	
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*	
22.	Litter present	☑ No	☐ Yes	Est. removal date:_____
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *
24.	Fallen trees	☑ None	☐ Present on cap *	Est. removal date: _____
25.	Evidence of trespass	☐ Yes*	☑ No	
	Evidence of motor vehicle trespass	☑ No ☐ Auto/Truck	☐ Motorcycle	☐ ATV
27.	Woodchuck/rodent holes in cap	☑ No	☐ Yes	Date Backfilled: _____
28.	Evidence of lightning strike	☑ No	☐ Yes *	

29. Unauthorized materials present ☑ No ☐ Yes *

30. Dead Animals present ☑ No ☐ Yes *

31. Oil slick on adjacent waters ☑ No ☐ Yes *

32. Damaged leachate manholes ☑ No ☐ Yes *

33. Leachate seeps ☑ No ☐ Yes Stain Color: _____

Length: _____

34. Leachate fluid ☐ Puddle * ☐ Stream * ☑ None

35. Gulls/scavenger birds present ☑ No ☐ Yes *

36. Other animal foraging evidence ☑ No ☐ Yes *

37. No smoking warnings ☑ Present ☐ Missing/Damaged

38. Survey Monuments ☑ Undisturbed ☐ Disturbed

39. Leachate Collection tanks and piping

L - 1	☑ OK	☐ Problem *
L - 2	☑ OK	☐ Problem *
L - 3	☑ OK	☐ Problem *
L - 4	☐ OK	☑ Problem *
L - 5	☐ OK	☑ Problem *
L - 7	☑ OK	☐ Problem *

35. Condensate Tanks

C - 1	☑ OK	☐ Problem *
C – 2	☑ OK	☐ Problem *
C - 3	☑ OK	☐ Problem *
C – 4 (Maintenance Shop)	☑ OK	☐ Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

COMMENTS: L-4 tank is not working. Pipe has a crack by elbo going into tank and manhole pipe is disconnected. Cook has been notified.

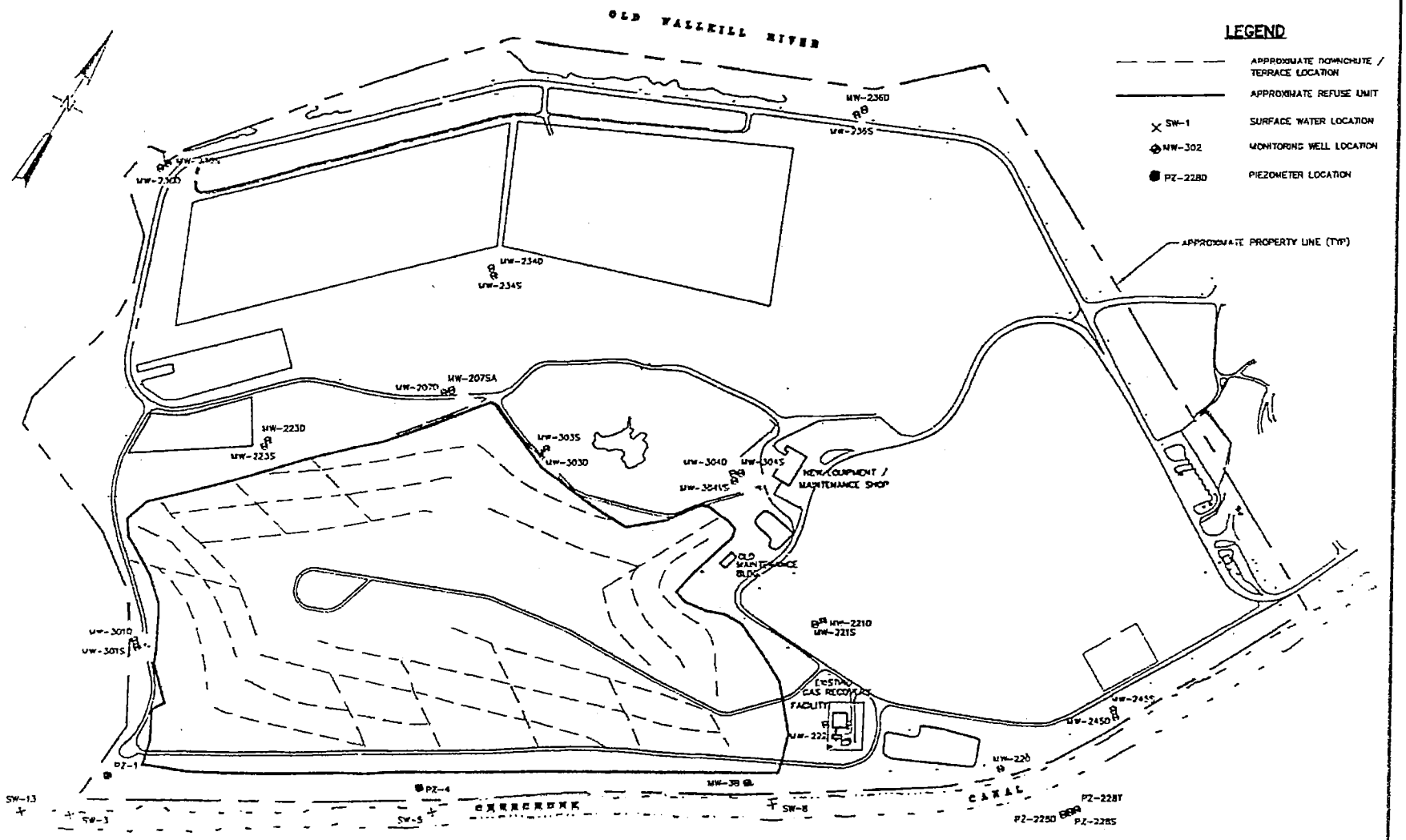
L-5 tank has a crack in the pipe

CORRECTIVE ACTION TAKEN:

BY:

DATE:

C:\JOBS\MRY\#2535\2535F-2A.DWG 03/12/96



Stearns&Wheler
ENVIRONMENTAL ENGINEERS & SCIENTISTS

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

FIGURE 2A
FIELD INSPECTION SITE MAP

SCALE: 1" = 600'

DATE: 03/96 JOB No.: 2535

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 2/15/17 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly	
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments
9.	Grass condition	☑ Good	☐ Poor	☐ Dead
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:_____
	Capped Gas Wells	☑ Good Condition	☐ Damaged*	
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*	
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)	
16.	Geomembrane liner exposed	☑ No	☐ Yes	
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)	
18.	Most recent mowing date: _____			
19.	Stressed vegetation	☑ No	☐ Yes*	
20.	Damage to leachate cleanouts	☑ No	☐ Yes	
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*	
22.	Litter present	☑ No	☐ Yes	Est. removal date:_____
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *
24.	Fallen trees	☑ None	☐ Present on cap *	Est. removal date: _____
25.	Evidence of trespass	☐ Yes*	☑ No	
	Evidence of motor vehicle trespass	☑ No ☐ Auto/Truck	☐ Motorcycle	☐ ATV
27.	Woodchuck/rodent holes in cap	☑ No	☐ Yes	Date Backfilled: _____
28.	Evidence of lightning strike	☑ No	☐ Yes *	

29. Unauthorized materials present	☑ No	☐ Yes *		
30. Dead Animals present	☑ No	☐ Yes *		
31. Oil slick on adjacent waters	☑ No	☐ Yes *		
Damaged leachate manholes	☑ No	☐ Yes *		
33. Leachate seeps	☑ No	☐ Yes	Stain Color:	_____

Length: _____

34. Leachate fluid	☐ Puddle *	☐ Stream *	☑ None
35. Gulls/scavenger birds present	☑ No	☐ Yes *	
36. Other animal foraging evidence	☑ No	☐ Yes *	
37. No smoking warnings	☑ Present	☐ Missing/Damaged	
38. Survey Monuments	☑ Undisturbed	☐ Disturbed	

39. Leachate Collection tanks and piping

L - 1	☑ OK	☐ Problem *
L - 2	☑ OK	☐ Problem *
L - 3	☑ OK	☐ Problem *
L - 4	☐ OK	☑ Problem *
L - 5	☐ OK	☑ Problem *
L - 7	☑ OK	☐ Problem *

35. Condensate Tanks

C - 1	☑ OK	☐ Problem *
C – 2	☑ OK	☐ Problem *
C - 3	☑ OK	☐ Problem *
C – 4	(Maintenance Shop)	
	☑ OK	☐ Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

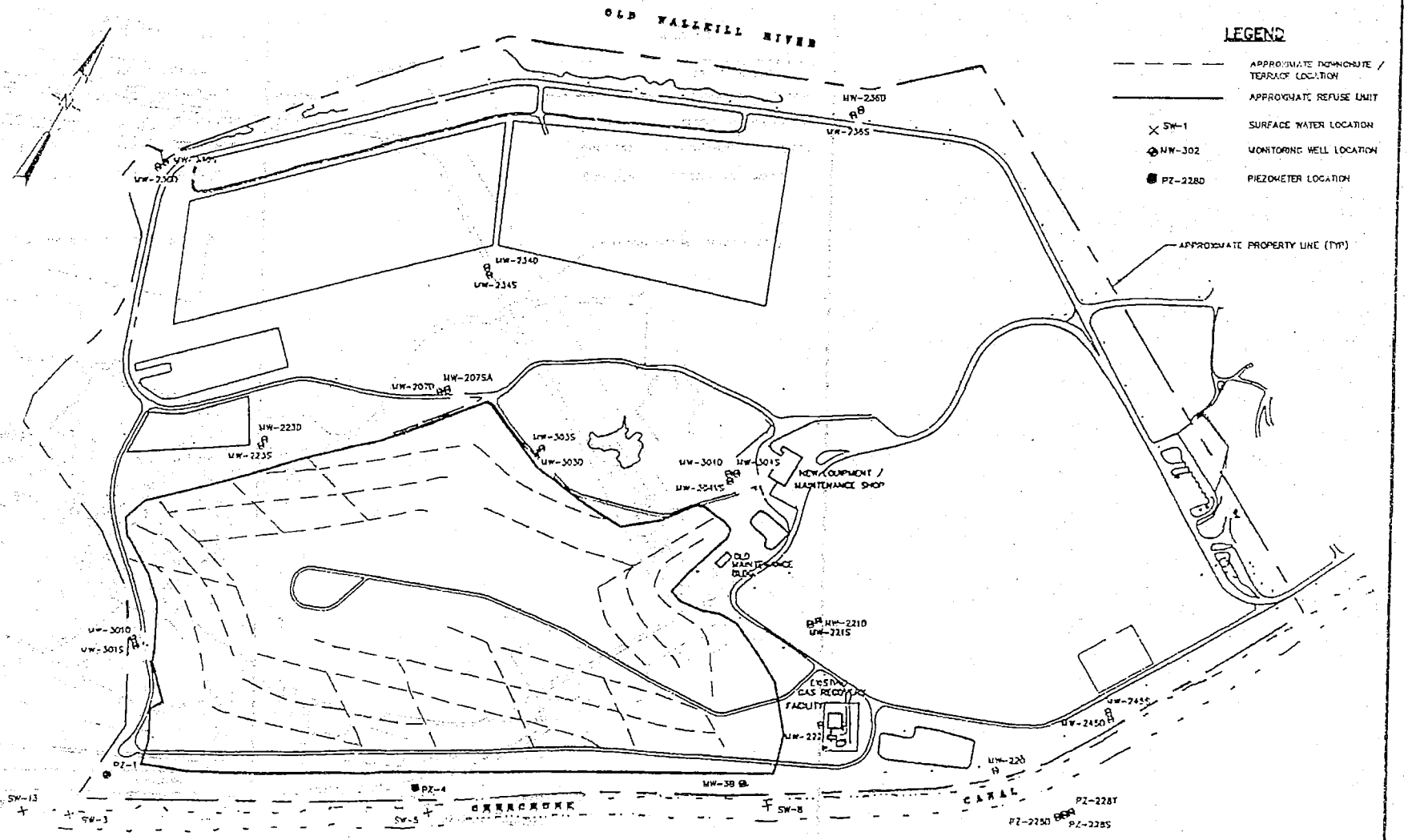
COMMENTS: L-4 is still not working. Pipe has a crack by the elbow going into the tank and the manhole pipe is disconnected. Cook has been notified twice now.

CORRECTIVE ACTION TAKEN:

BY:

DATE:

C:\JOBS\MRY\#2535\2535F-2A.DWG 03/12/96



Stearns & Wheler
ENVIRONMENTAL ENGINEERS & SCIENTISTS

SCALE: 1" = 600'

DATE: 03/96 JOB No.: 2535

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

FIGURE 2A
FIELD INSPECTION SITE MAP

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 3/15/17 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly	
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments
9.	Grass condition	☑ Good	☐ Poor	☐ Dead
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:
	Capped Gas Wells	☑ Good Condition	☐ Damaged*	
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*	
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)	
16.	Geomembrane liner exposed	☑ No	☐ Yes	
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)	
18.	Most recent mowing date:			
19.	Stressed vegetation	☑ No	☐ Yes*	
20.	Damage to leachate cleanouts	☑ No	☐ Yes	
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*	
22.	Litter present	☑ No	☐ Yes	Est. removal date:
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *
24.	Fallen trees	☑ None	☐ Present on cap *	Est. removal date:
25.	Evidence of trespass	☐ Yes*	☑ No	
	Evidence of motor vehicle trespass	☑ No	☐ Auto/Truck ☐ Motorcycle ☐ ATV	
27.	Woodchuck/rodent holes in cap	☑ No	☐ Yes	Date Backfilled:
28.	Evidence of lightning strike	☑ No	☐ Yes*	

29. Unauthorized materials present ☑ No ☐ Yes *

30. Dead Animals present ☑ No ☐ Yes *

31. Oil slick on adjacent waters ☑ No ☐ Yes *

32. Damaged leachate manholes ☑ No ☐ Yes *

33. Leachate seeps ☑ No ☐ Yes Stain Color: _____

Length: _____

34. Leachate fluid ☐ Puddle * ☐ Stream * ☑ None

35. Gulls/scavenger birds present ☑ No ☐ Yes *

36. Other animal foraging evidence ☑ No ☐ Yes *

37. No smoking warnings ☑ Present ☐ Missing/Damaged

38. Survey Monuments ☑ Undisturbed ☐ Disturbed

39. Leachate Collection tanks and piping

L - 1	☑ OK	☐ Problem *
L - 2	☑ OK	☐ Problem *
L - 3	☑ OK	☐ Problem *
L - 4	☑ OK	☐ Problem *
L - 5	☑ OK	☐ Problem *
L - 7	☑ OK	☐ Problem *

35. Condensate Tanks

C - 1	☑ OK	☐ Problem *
C – 2	☑ OK	☐ Problem *
C - 3	☑ OK	☐ Problem *
C – 4	(Maintenance Shop)	
	☑ OK	☐ Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

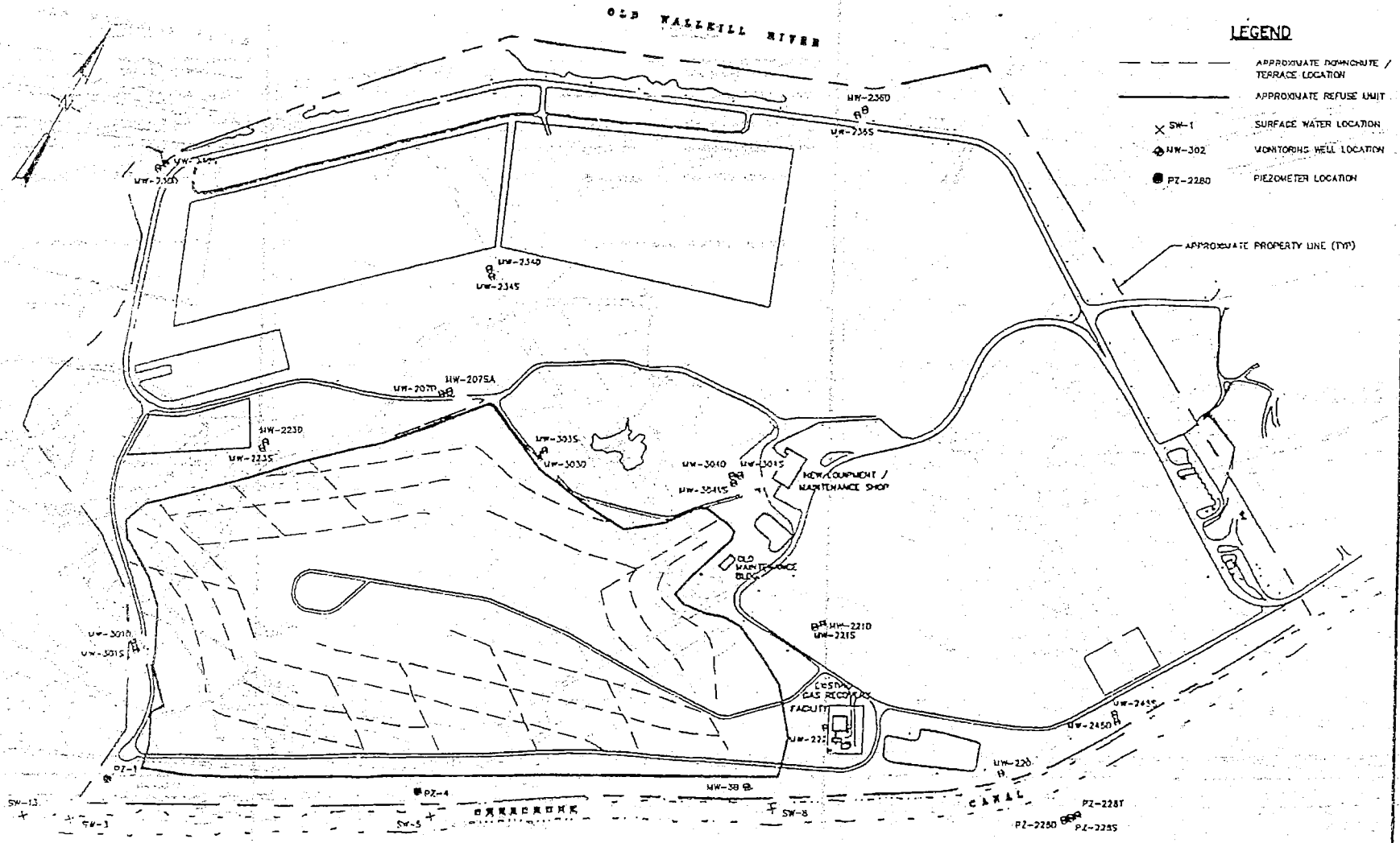
COMMENTS:

CORRECTIVE ACTION TAKEN: Cook has addressed the problems with L-4 crack in the elbow and crack in L-5. Everything working good now.

BY:

DATE:

C:\JOBS\MRY\#2535\2535F-2A.DWG 03/12/96



Stearns&Wheler
ENVIRONMENTAL ENGINEERS & SCIENTISTS

SCALE: 1" = 600'

DATE: 03/96 JOB No.: 2535

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

FIGURE 2A
FIELD INSPECTION SITE MAP

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 4/14/17 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *	
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly		
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
9.	Grass condition	☑ Good	☐ Poor	☐ Dead	
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other	
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:_____	
	Capped Gas Wells	☑ Good Condition	☐ Damaged*		
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *	
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*		
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)		
16.	Geomembrane liner exposed	☑ No	☐ Yes		
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)		
18.	Most recent mowing date: _____				
19.	Stressed vegetation	☑ No	☐ Yes*		
20.	Damage to leachate cleanouts	☑ No	☐ Yes		
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*		
22.	Litter present	☑ No	☐ Yes	Est. removal date:_____	
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *	
24.	Fallen trees	☑ None	☐ Present on cap *	Est. removal date: _____	
25.	Evidence of trespass	☐ Yes*	☑ No		
	Evidence of motor vehicle trespass	☑ No	☐ Auto/Truck	☐ Motorcycle	☐ ATV
27.	Woodchuck/rodent holes in cap	☑ No	☐ Yes	Date Backfilled: _____	
28.	Evidence of lightning strike	☑ No	☐ Yes *		

29. Unauthorized materials present ☑ No ☐ Yes *

30. Dead Animals present ☑ No ☐ Yes *

31. Oil slick on adjacent waters ☑ No ☐ Yes *

Damaged leachate manholes ☑ No ☐ Yes *

33. Leachate seeps ☑ No ☐ Yes Stain Color: _____

Length: _____

34. Leachate fluid ☐ Puddle * ☐ Stream * ☑ None

35. Gulls/scavenger birds present ☑ No ☐ Yes *

36. Other animal foraging evidence ☑ No ☐ Yes *

37. No smoking warnings ☑ Present ☐ Missing/Damaged

38. Survey Monuments ☑ Undisturbed ☐ Disturbed

39. Leachate Collection tanks and piping

L - 1	☑ OK	☐ Problem *
L - 2	☑ OK	☐ Problem *
L - 3	☑ OK	☐ Problem *
L - 4	☑ OK	☐ Problem *
L - 5	☑ OK	☐ Problem *
L - 7	☑ OK	☐ Problem *

35. Condensate Tanks

C - 1	☑ OK	☐ Problem *
C – 2	☑ OK	☐ Problem *
C - 3	☑ OK	☐ Problem *
C – 4	(Maintenance Shop)	
	☑ OK	☐ Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

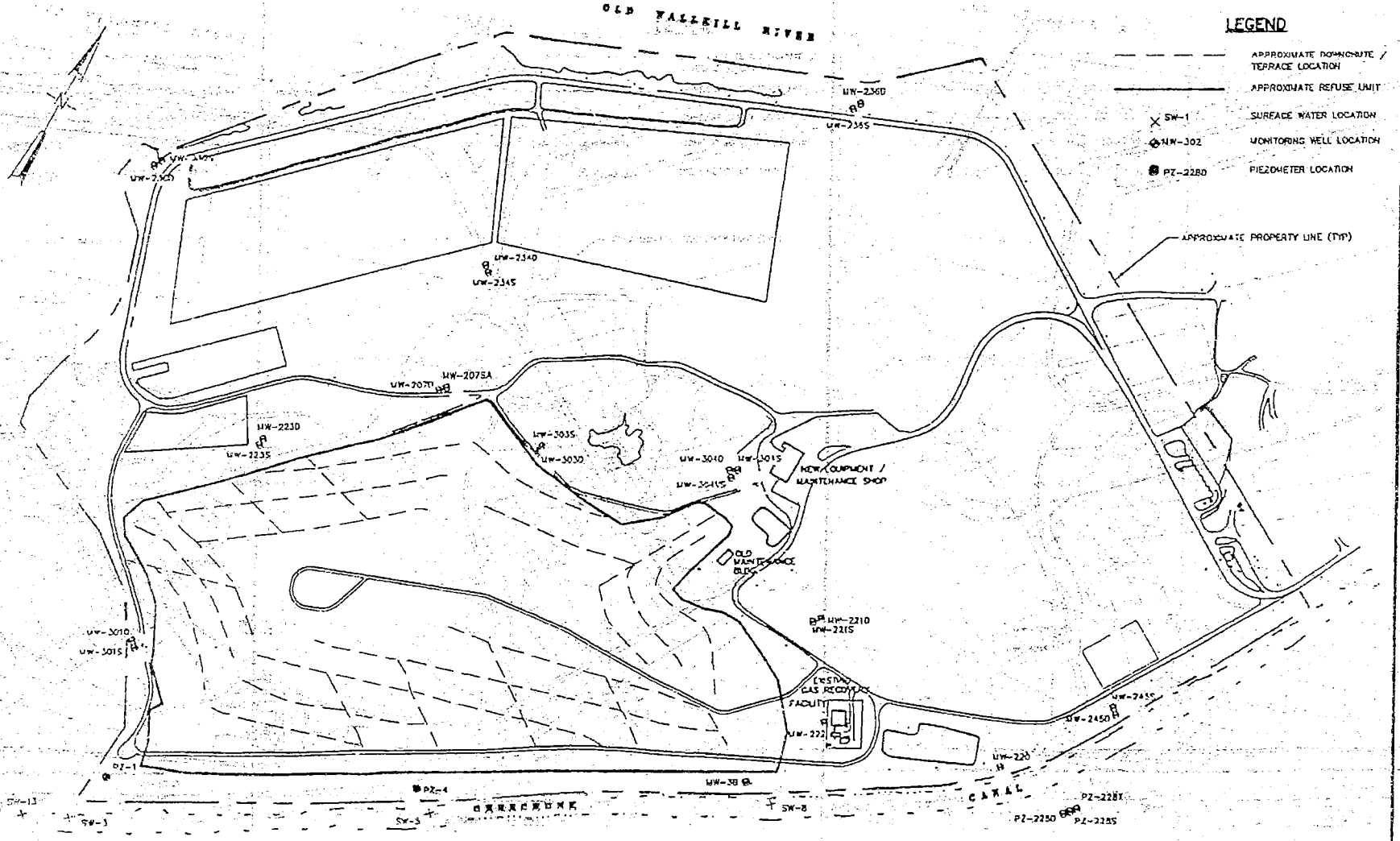
COMMENTS:

CORRECTIVE ACTION TAKEN:

BY:

DATE:

C:\JOBS\MRY\#2535\2535F-2A.DWG 03/12/96



Stearns&Wheler
ENVIRONMENTAL ENGINEERS & SCIENTISTS

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

FIGURE 2A
FIELD INSPECTION SITE MAP

SCALE: 1" = 600'

DATE: 03/96 JOB No.: 2535

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 5/15/17 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *	
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly		
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
9.	Grass condition	☑ Good	☐ Poor	☐ Dead	
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other	
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:	
12.	Capped Gas Wells	☑ Good Condition	☐ Damaged*		
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *	
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*		
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)		
16.	Geomembrane liner exposed	☑ No	☐ Yes		
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)		
18.	Most recent mowing date:				
19.	Stressed vegetation	☑ No	☐ Yes*		
20.	Damage to leachate cleanouts	☑ No	☐ Yes		
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*		
22.	Litter present	☑ No	☐ Yes	Est. removal date:	
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *	
24.	Fallen trees	☑ None	☐ Present on cap *	Est. removal date:	
25.	Evidence of trespass	☐ Yes*	☑ No		
26.	Evidence of motor vehicle trespass	☑ No	☐ Auto/Truck	☐ Motorcycle	☐ ATV
27.	Woodchuck rodent holes in cap	☑ No	☐ Yes	Date Backfilled:	
28.	Evidence of lightning strike	☑ No	☐ Yes *		

29. Unauthorized materials present ☑ No ☐ Yes *

30. Dead Animals present ☑ No ☐ Yes *

31. Oil slick on adjacent waters ☑ No ☐ Yes *

Damaged leachate manholes ☑ No ☐ Yes *

33. Leachate seeps ☑ No ☐ Yes Stain Color: _____

Length: _____

34. Leachate fluid ☐ Puddle * ☐ Stream * ☑ None

35. Gulls/scavenger birds present ☑ No ☐ Yes *

36. Other animal foraging evidence ☑ No ☐ Yes *

37. No smoking warnings ☑ Present ☐ Missing/Damaged

38. Survey Monuments ☑ Undisturbed ☐ Disturbed

39. Leachate Collection tanks and piping

L - 1	☑ OK	☐ Problem *
L - 2	☑ OK	☐ Problem *
L - 3	☑ OK	☐ Problem *
L - 4	☑ OK	☐ Problem *
L - 5	☑ OK	☐ Problem *
L - 7	☑ OK	☐ Problem *

35. Condensate Tanks

C - 1	☑ OK	☐ Problem *
C – 2	☑ OK	☐ Problem *
C - 3	☑ OK	☐ Problem *
C – 4	(Maintenance Shop)	
	☑ OK	☐ Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

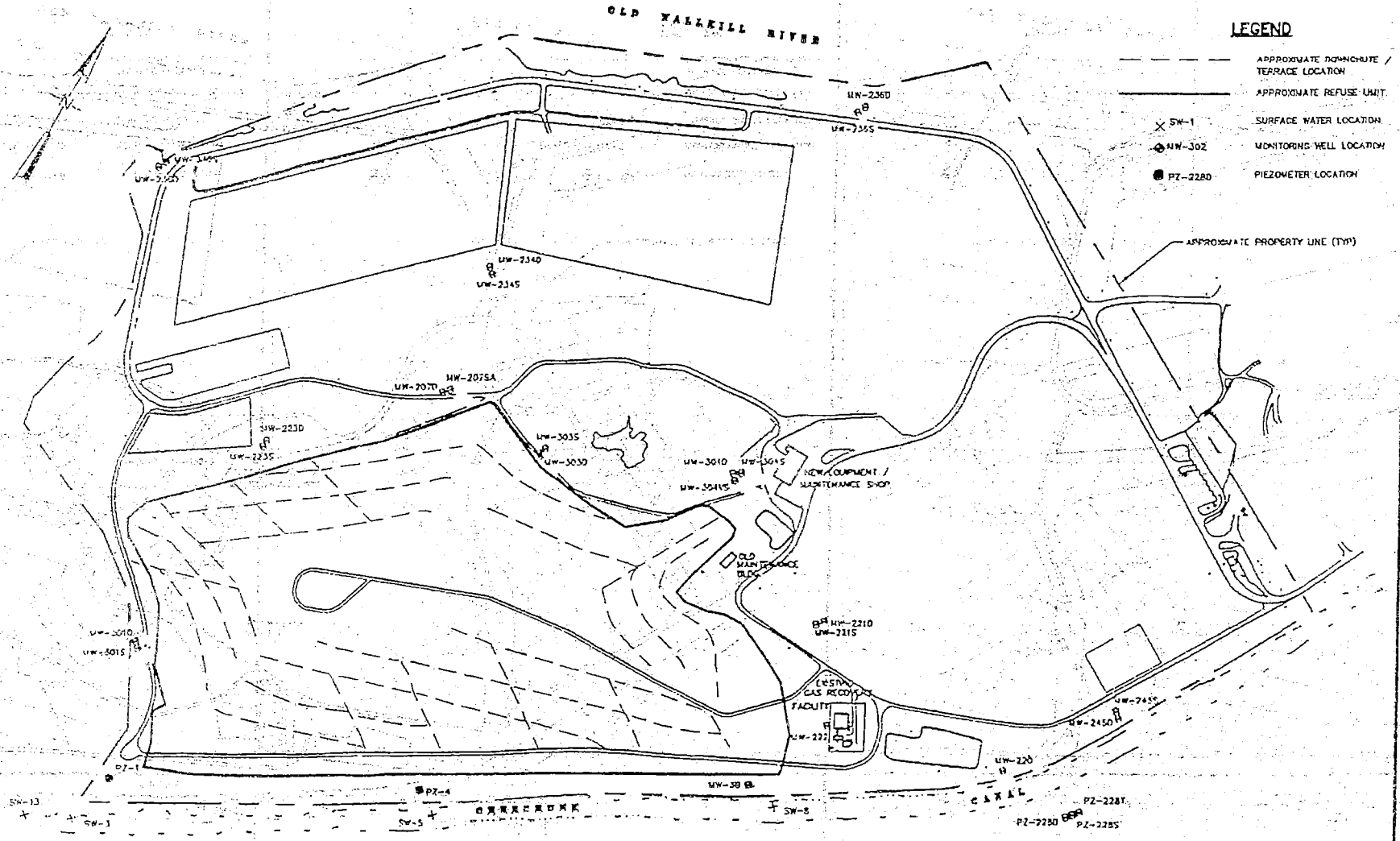
COMMENTS:

CORRECTIVE ACTION TAKEN:

BY:

DATE:

C:\JOBS\MRY\#2535\2535F-2A.DWG 03/12/96



Stearns&Wheler
ENVIRONMENTAL ENGINEERS & SCIENTISTS

SCALE: 1" = 600'

DATE: 03/96 JOB No.: 2535

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

FIGURE 2A
FIELD INSPECTION SITE MAP

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 6/15/17 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly	
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments
9.	Grass condition	☑ Good	☐ Poor	☐ Dead
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:_____
	Capped Gas Wells	☑ Good Condition	☐ Damaged*	
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*	
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)	
16.	Geomembrane liner exposed	☑ No	☐ Yes	
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)	
18.	Most recent mowing date: 6/13/17			
19.	Stressed vegetation	☑ No	☐ Yes*	
20.	Damage to leachate cleanouts	☑ No	☐ Yes	
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*	
22.	Litter present	☑ No	☐ Yes	Est. removal date:_____
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *
24.	Fallen trees	☑ None	☐ Present on cap *	Est. removal date:_____
25.	Evidence of trespass	☐ Yes*	☑ No	
	Evidence of motor vehicle trespass	☑ No	☐ Auto/Truck	☐ Motorcycle ☐ ATV
27.	Woodchuck/rodent holes in cap	☑ No	☐ Yes	Cap backfilled: _____
28.	Evidence of lightning strike	☑ No	☐ Yes *	

29. Unauthorized materials present ☑ No ☐ Yes *

30. Dead Animals present ☑ No ☐ Yes *

31. Oil slick on adjacent waters ☑ No ☐ Yes *

Damaged leachate manholes ☑ No ☐ Yes *

33. Leachate seeps ☑ No ☐ Yes Stain Color: _____

Length: _____

34. Leachate fluid ☐ Puddle * ☐ Stream * ☑ None

35. Gulls/scavenger birds present ☑ No ☐ Yes *

36. Other animal foraging evidence ☑ No ☐ Yes *

37. No smoking warnings ☑ Present ☐ Missing/Damaged

38. Survey Monuments ☑ Undisturbed ☐ Disturbed

39. Leachate Collection tanks and piping

L - 1	☑ OK	☐ Problem *
L - 2	☑ OK	☐ Problem *
L - 3	☑ OK	☐ Problem *
L - 4	☑ OK	☐ Problem *
L - 5	☑ OK	☐ Problem *
L - 7	☑ OK	☐ Problem *

35. Condensate Tanks

C - 1	☑ OK	☐ Problem *
C – 2	☑ OK	☐ Problem *
C - 3	☑ OK	☐ Problem *
C – 4	(Maintenance Shop)	
	☑ OK	☐ Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

COMMENTS:

CORRECTIVE ACTION TAKEN:

BY:

DATE:

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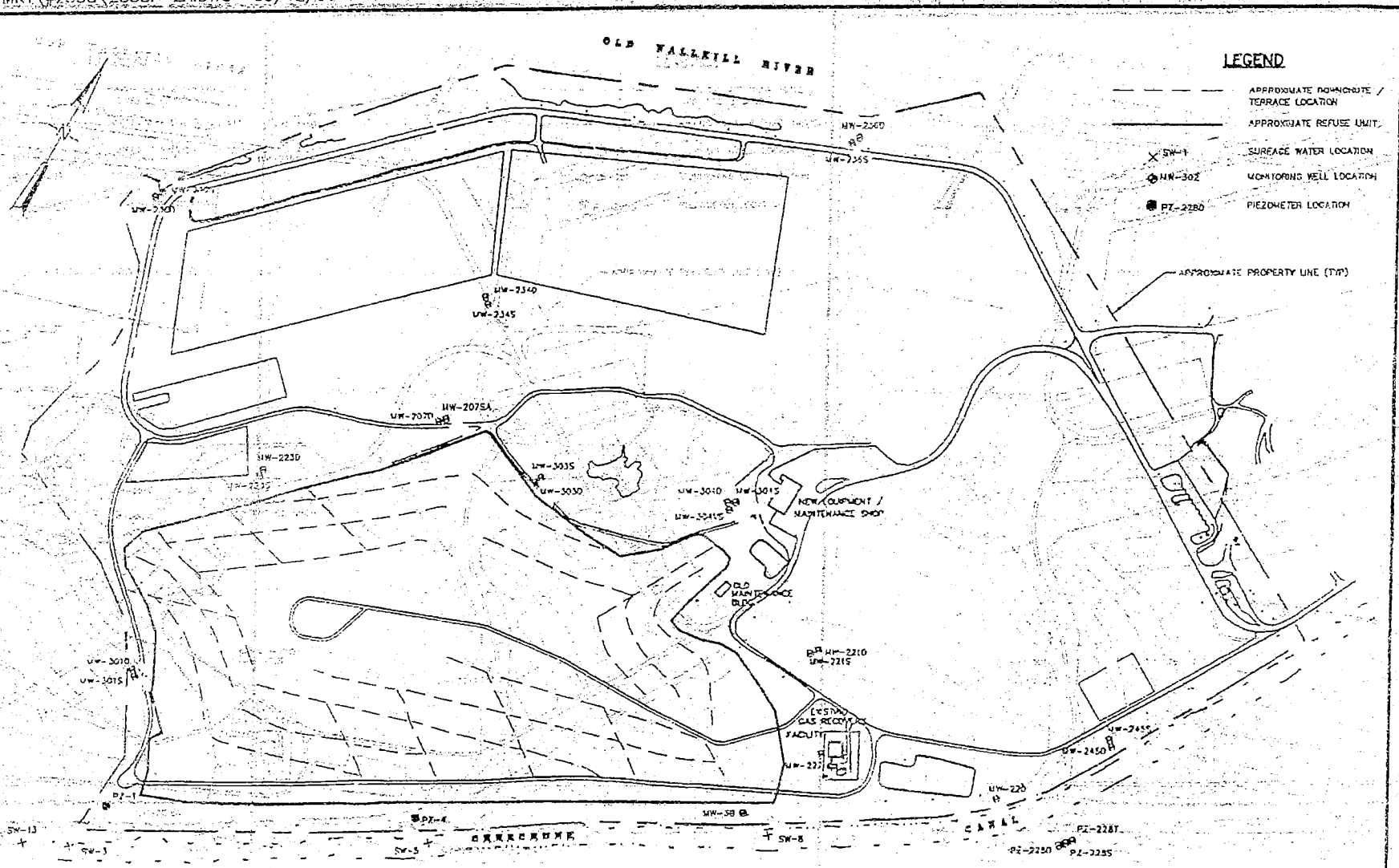


Stearns & Wheler
ENVIRONMENTAL ENGINEERS & SCIENTISTS

SCALE: 1" = 600'

DATE: 03/96 JOB No.: 2535

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

FIGURE 2A
FIELD INSPECTION SITE MAP

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 7/14/17 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly	
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments
9.	Grass condition	☑ Good	☐ Poor	☐ Dead
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:
	Capped Gas Wells	☑ Good Condition	☐ Damaged*	
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*	
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)	
16.	Geomembrane liner exposed	☑ No	☐ Yes	
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)	
18.	Most recent mowing date: 7/12/17			
19.	Stressed vegetation	☑ No	☐ Yes*	
20.	Damage to leachate cleanouts	☑ No	☐ Yes	
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*	
22.	Litter present	☑ No	☐ Yes	Est. removal date:
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *
24.	Fallen trees	☑ None	☐ Present on cap *	Est. removal date:
25.	Evidence of trespass	☐ Yes*	☑ No	
	Evidence of motor vehicle trespass	☑ No	☐ Auto/Truck	☐ Motorcycle ☐ ATV
27.	Woodchuck/rodent holes in cap	☑ No	☐ Yes	Date Backfilled:
28.	Evidence of lightning strike	☑ No	☐ Yes *	

29. Unauthorized materials present ☑ No ☐ Yes *

30. Dead Animals present ☑ No ☐ Yes *

31. Oil slick on adjacent waters ☑ No ☐ Yes *

Damaged leachate manholes ☑ No ☐ Yes *

33. Leachate seeps ☑ No ☐ Yes Stain Color: _____

Length: _____

34. Leachate fluid ☐ Puddle * ☐ Stream * ☑ None

35. Gulls/scavenger birds present ☑ No ☐ Yes *

36. Other animal foraging evidence ☑ No ☐ Yes *

37. No smoking warnings ☑ Present ☐ Missing/Damaged

38. Survey Monuments ☑ Undisturbed ☐ Disturbed

39. Leachate Collection tanks and piping

L - 1	☑ OK	☐ Problem *
L - 2	☑ OK	☐ Problem *
L - 3	☑ OK	☐ Problem *
L - 4	☑ OK	☐ Problem *
L - 5	☑ OK	☐ Problem *
L - 7	☑ OK	☐ Problem *

35. Condensate Tanks

C - 1	☑ OK	☐ Problem *
C – 2	☑ OK	☐ Problem *
C – 3	☑ OK	☐ Problem *
C – 4	(Maintenance Shop)	
	☑ OK	☐ Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

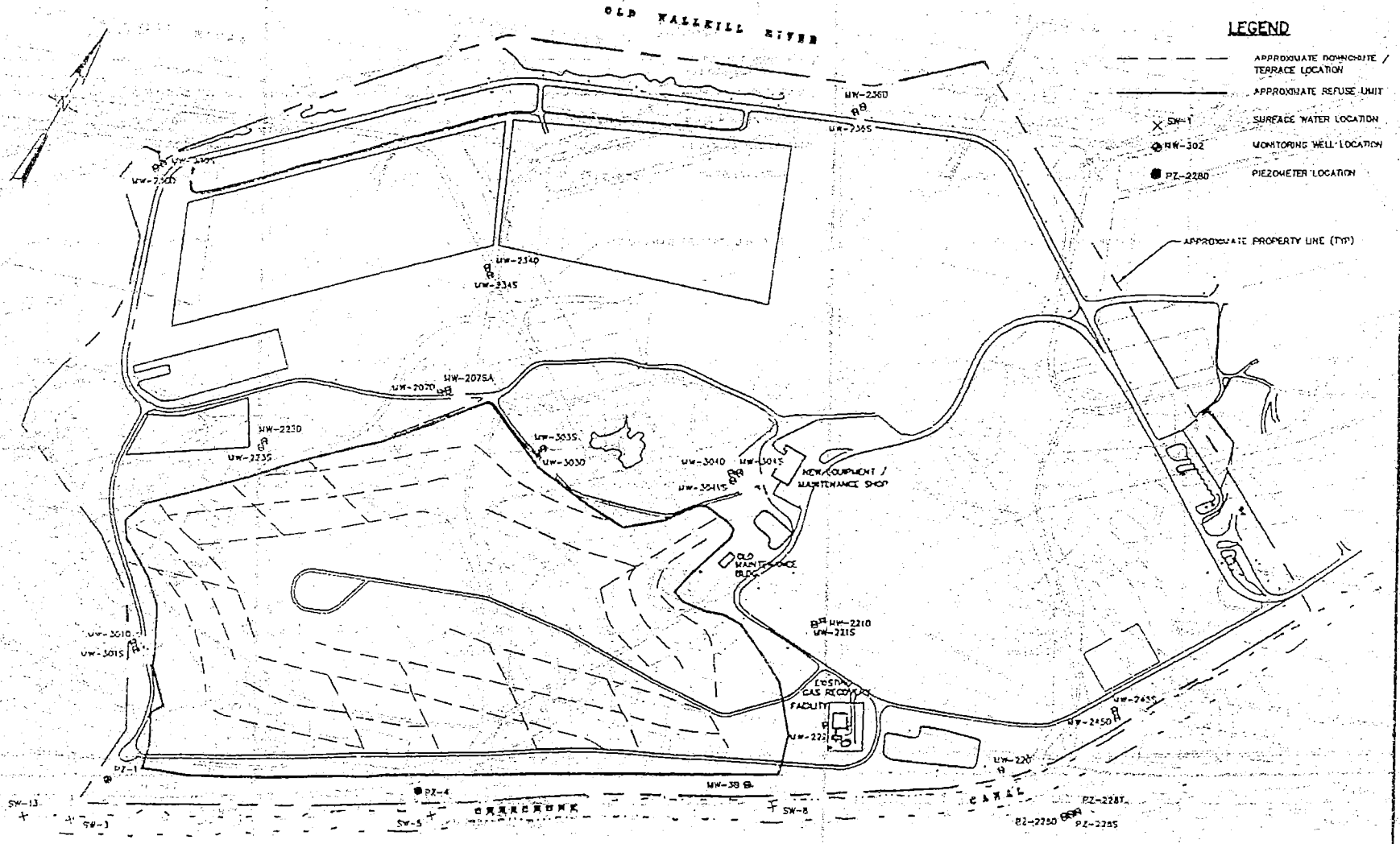
COMMENTS:

CORRECTIVE ACTION TAKEN:

BY:

DATE:

C:\IOBS\MRY\#2535\2535F-2A.DWG 03/12/96



	Stearns&Wheler ENVIRONMENTAL ENGINEERS & SCIENTISTS	ORANGE COUNTY LANDFILL TOWN OF GOSHEN, NEW YORK
SCALE: 1" = 600'	DATE: 03/96 JOB No.: 2535	FIGURE 2A FIELD INSPECTION SITE MAP

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 8/15/17 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly	
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments
9.	Grass condition	☑ Good	☐ Poor	☐ Dead
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:
	Capped Gas Wells	☑ Good Condition	☐ Damaged*	
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*	
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)	
16.	Geomembrane liner exposed	☑ No	☐ Yes	
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)	
18.	Most recent mowing date: 8/9/17			
19.	Stressed vegetation	☑ No	☐ Yes*	
20.	Damage to leachate cleanouts	☑ No	☐ Yes*	
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*	
22.	Litter present	☑ No	☐ Yes	Est. removal date:
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *
24.	Fallen trees	☑ None	☐ Present*	Est. removal date:
25.	Evidence of trespass	☐ Yes*	☑ No	
	Evidence of motor vehicle trespass	☑ No	☐ Auto/Truck ☐ Motorcycle	☐ ATV
27.	Woodchuck/rodent holes in cap	☑ No	☐ Yes	Date backfilled:
28.	Evidence of lightning strike	☑ No	☐ Yes *	

29. Unauthorized materials present ☑ No ☐ Yes *

30. Dead Animals present ☑ No ☐ Yes *

31. Oil slick on adjacent waters ☑ No ☐ Yes *

32. Damaged leachate manholes ☑ No ☐ Yes *

33. Leachate seeps ☑ No ☐ Yes Stain Color: _____

Length: _____

34. Leachate fluid ☐ Puddle * ☐ Stream * ☑ None

35. Gulls/scavenger birds present ☑ No ☐ Yes *

36. Other animal foraging evidence ☑ No ☐ Yes *

37. No smoking warnings ☑ Present ☐ Missing/Damaged

38. Survey Monuments ☑ Undisturbed ☐ Disturbed

39. Leachate Collection tanks and piping

L - 1	☑ OK	☐ Problem *
L - 2	☑ OK	☐ Problem *
L - 3	☑ OK	☐ Problem *
L - 4	☑ OK	☐ Problem *
L - 5	☑ OK	☐ Problem *
L - 7	☑ OK	☐ Problem *

35. Condensate Tanks

C - 1	☑ OK	☐ Problem *
C – 2	☑ OK	☐ Problem *
C - 3	☑ OK	☐ Problem *
C – 4	(Maintenance Shop)	
	☑ OK	☐ Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

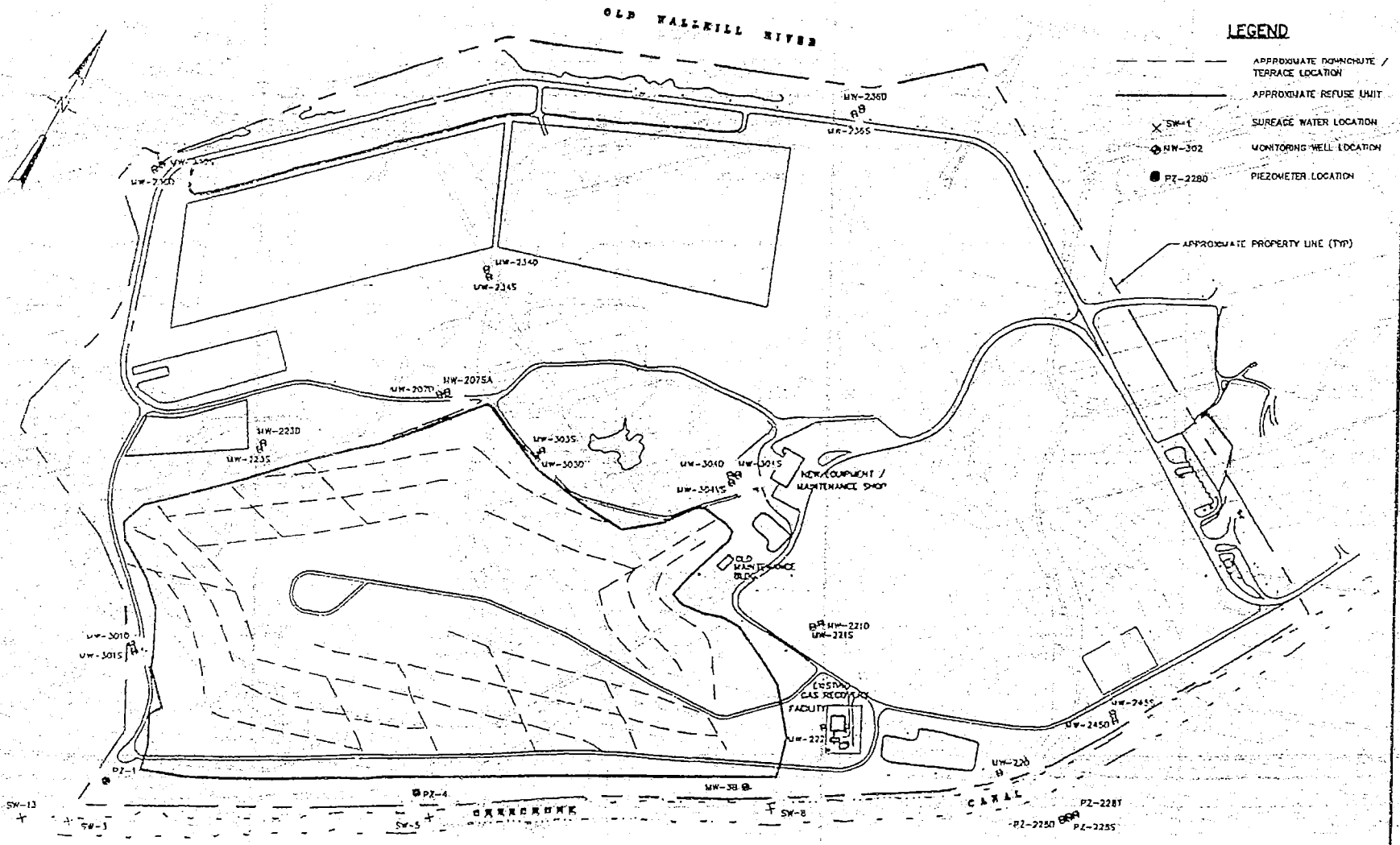
COMMENTS:

CORRECTIVE ACTION TAKEN:

BY:

DATE:

C:\JOBS\MRY\#2535\2535F-2A.DWG 03/12/96



Stearns&Wheler
ENVIRONMENTAL ENGINEERS & SCIENTISTS

SCALE: 1" = 600'

DATE: 03/96 JOB No.: 2535

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

FIGURE 2A
FIELD INSPECTION SITE MAP

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 9/15/17 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly	
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments
9.	Grass condition	☑ Good	☐ Poor	☐ Dead
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:
12.	Capped Gas Wells	☑ Good Condition	☐ Damaged*	
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*	
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)	
16.	Geomembrane liner exposed	☑ No	☐ Yes	
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)	
18.	Most recent mowing date: 9/6/17			
19.	Stressed vegetation	☑ No	☐ Yes*	
20.	Damage to leachate cleanouts	☑ No	☐ Yes	
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*	
22.	Litter present	☑ No	☐ Yes	Est. removal date:
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *
24.	Fallen trees	☑ None	☐ Present on cap *	Est. removal date:
25.	Evidence of trespass	☐ Yes*	☑ No	
26.	Evidence of motor vehicle trespass	☑ No	☐ Auto/Truck ☐ Motorcycle	☐ ATV
27.	Woodchuck/rodent holes in cap	☑ No	☐ Yes	Date Backfilled:
28.	Evidence of lightning strike	☑ No	☐ Yes *	

29. Unauthorized materials present ☑ No ☐ Yes *

30. Dead Animals present ☑ No ☐ Yes *

31. Oil slick on adjacent waters ☑ No ☐ Yes *

32. Damaged leachate manholes ☑ No ☐ Yes *

33. Leachate seeps ☑ No ☐ Yes Stain Color: _____

Length: _____

34. Leachate fluid ☐ Puddle * ☐ Stream * ☑ None

35. Gulls/scavenger birds present ☑ No ☐ Yes *

36. Other animal foraging evidence ☑ No ☐ Yes *

37. No smoking warnings ☑ Present ☐ Missing/Damaged

38. Survey Monuments ☑ Undisturbed ☐ Disturbed

39. Leachate Collection tanks and piping

L - 1	☑ OK	☐ Problem *
L - 2	☑ OK	☐ Problem *
L - 3	☑ OK	☐ Problem *
L - 4	☑ OK	☐ Problem *
L - 5	☑ OK	☐ Problem *
L - 7	☑ OK	☐ Problem *

35. Condensate Tanks

C - 1	☑ OK	☐ Problem *
C – 2	☑ OK	☐ Problem *
C - 3	☑ OK	☐ Problem *
C – 4	(Maintenance Shop)	
	☑ OK	☐ Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

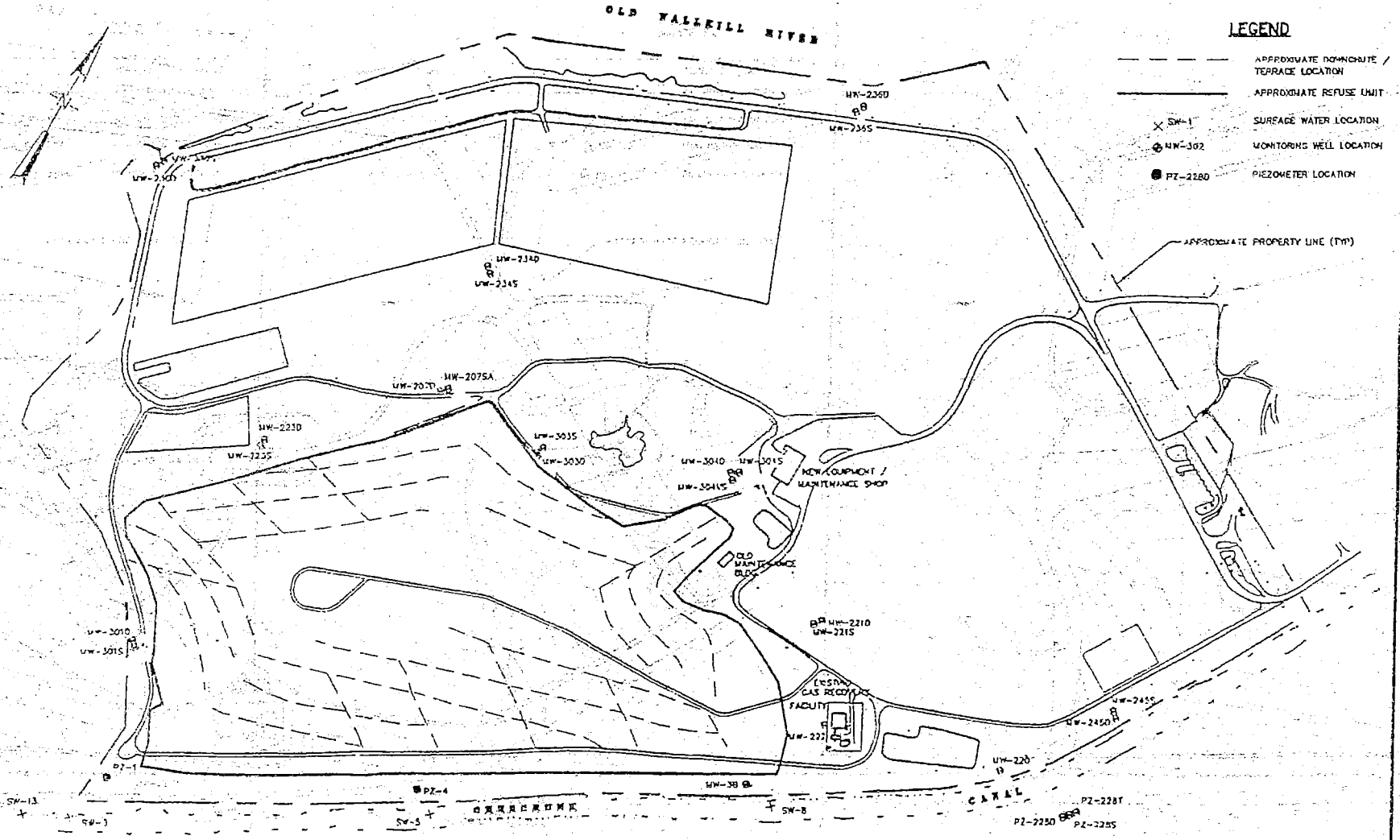
COMMENTS:

CORRECTIVE ACTION TAKEN:

BY:

DATE:

C:\JOBS\MRY\#2535\2535F-2A.DWG 03/12/96



Stearns&Wheler
ENVIRONMENTAL ENGINEERS & SCIENTISTS

SCALE: 1" = 600'

DATE: 03/96 JOB No.: 2535

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

FIGURE 2A
FIELD INSPECTION SITE MAP

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 10/13/17 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly	
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments
9.	Grass condition	☑ Good	☐ Poor	☐ Dead
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:_____
12.	Capped Gas Wells	☑ Good Condition	☐ Damaged*	
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*	
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)	
16.	Geomembrane liner exposed	☑ No	☐ Yes	
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)	
18.	Most recent mowing date: 9/13/17			
19.	Stressed vegetation	☑ No	☐ Yes*	
20.	Damage to leachate cleanouts	☑ No	☐ Yes	
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*	
22.	Litter present	☑ No	☐ Yes	Est. removal date:_____
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *
24.	Fallen trees	☑ None	☐ Present on cap *	Est. removal date:_____
25.	Evidence of trespass	☐ Yes*	☑ No	
	Evidence of motor vehicle trespass	☑ No	☐ Auto/Truck ☐ Motorcycle ☐ ATV	
27.	Woodchuck/rodent holes in cap	☑ No	☐ Yes	Date Backfilled:_____
28.	Evidence of lightning strike	☑ No	☐ Yes *	

29. Unauthorized materials present — [x] No — [ ] Yes *

30. Dead Animals present — [x] No — [ ] Yes *

31. Oil slick on adjacent waters — [x] No — [ ] Yes *

32. Damaged leachate manholes — [x] No — [ ] Yes *

33. Leachate seeps — [x] No — [ ] Yes — Stain Color: _____

Length: _____

34. Leachate fluid — [ ] Puddle * — [ ] Stream * — [x] None

35. Gulls/scavenger birds present — [x] No — [ ] Yes *

36. Other animal foraging evidence — [x] No — [ ] Yes *

37. No smoking warnings — [x] Present — [ ] Missing/Damaged

38. Survey Monuments — [x] Undisturbed — [ ] Disturbed

39. Leachate Collection tanks and piping

L - 1	[x] OK	[ ] Problem *
L - 2	[ ] OK	[x] Problem *
L - 3	[ ] OK	[x] Problem *
L - 4	[ ] OK	[x] Problem *
L - 5	[x] OK	[ ] Problem *
L - 7	[x] OK	[ ] Problem *

35. Condensate Tanks

C - 1	[x] OK	[ ] Problem *
C – 2	[x] OK	[ ] Problem *
C - 3	[x] OK	[ ] Problem *
C – 4 (Maintenance Shop)	[x] OK	[ ] Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

COMMENTS: L-2 has a problem with the Shut off Valve. The Valve is split open and needs to be addressed

L-3 has a electrical problem red light is on and will not pump into tank.

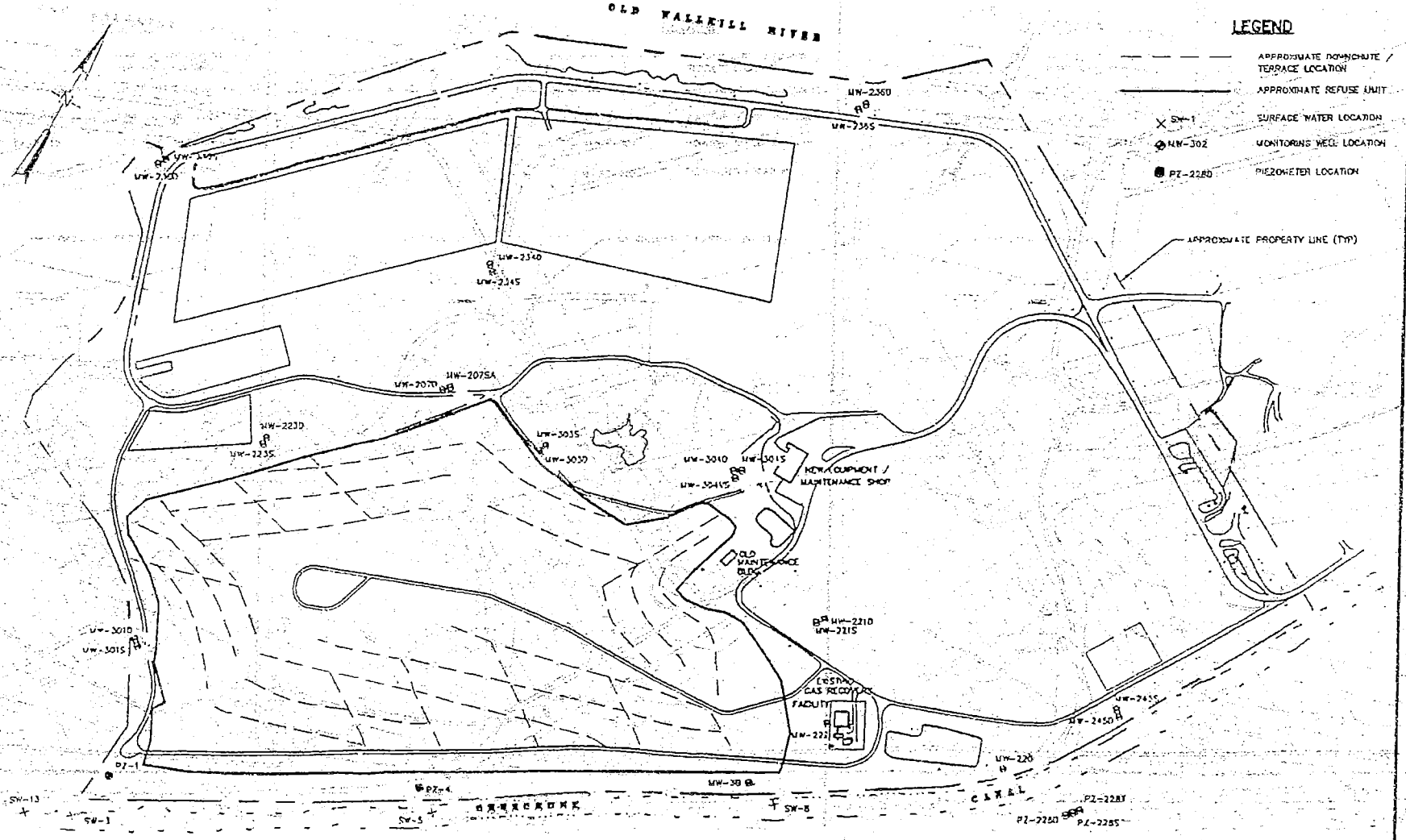
L-4 Red light is on. I noticed that the tank was empty. When I checked the float in the man hole the plastic pipe had been moved. When I moved it back the pump started and water was pumping into tank. Red light still would not go out.

CORRECTIVE ACTION TAKEN: CAlled Cook and they told me that the driver would check when he pumps tanks out.

BY

DATE

C:\JOBS\MRY\#2535\2535F-2A.DWG 03/12/96



Stearns&Wheler
ENVIRONMENTAL ENGINEERS & SCIENTISTS

SCALE: 1" = 600'

DATE: 03/96 JOB No.: 2535

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

FIGURE 2A
FIELD INSPECTION SITE MAP

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 11/15/17 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *	
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly		
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
9.	Grass condition	☑ Good	☐ Poor	☐ Dead	
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other	
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:_____	
12.	Capped Gas Wells	☑ Good Condition	☐ Damaged*		
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *	
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*		
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)		
16.	Geomembrane liner exposed	☑ No	☐ Yes		
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)		
18.	Most recent mowing date: 9/13/17				
19.	Stressed vegetation	☑ No	☐ Yes*		
20.	Damage to leachate cleanouts	☑ No	☐ Yes		
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*		
22.	Litter present	☑ No	☐ Yes	Est. removal date:_____	
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *	
24.	Fallen trees	☑ None	☐ Present on cap *	Est. removal date: _____	
25.	Evidence of trespass	☐ Yes*	☑ No		
	Evidence of motor vehicle trespass	☑ No	☐ Auto/Truck	☐ Motorcycle	☐ ATV
27.	Woodchuck/rodent holes in cap	☑ No	☐ Yes	Date Backfilled: _____	
28.	Evidence of lightning strike	☑ No	☐ Yes *		

29. Unauthorized materials present ☑ No ☐ Yes *

30. Dead Animals present ☑ No ☐ Yes *

31. Oil slick on adjacent waters ☑ No ☐ Yes *

32. Damaged leachate manholes ☑ No ☐ Yes *

33. Leachate seeps ☑ No ☐ Yes Stain Color: _____

Length: _____

34. Leachate fluid ☐ Puddle * ☐ Stream * ☑ None

35. Gulls/scavenger birds present ☑ No ☐ Yes *

36. Other animal foraging evidence ☑ No ☐ Yes *

37. No smoking warnings ☑ Present ☐ Missing/Damaged

38. Survey Monuments ☑ Undisturbed ☐ Disturbed

39. Leachate Collection tanks and piping

L - 1	☑ OK	☐ Problem *
L - 2	☐ OK	☑ Problem *
L - 3	☐ OK	☑ Problem *
L - 4	☐ OK	☑ Problem *
L - 5	☑ OK	☐ Problem *
L - 7	☑ OK	☐ Problem *

35. Condensate Tanks

C - 1	☑ OK	☐ Problem *
C – 2	☑ OK	☐ Problem *
C - 3	☑ OK	☐ Problem *
C – 4	(Maintenance Shop)	
	☑ OK	☐ Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

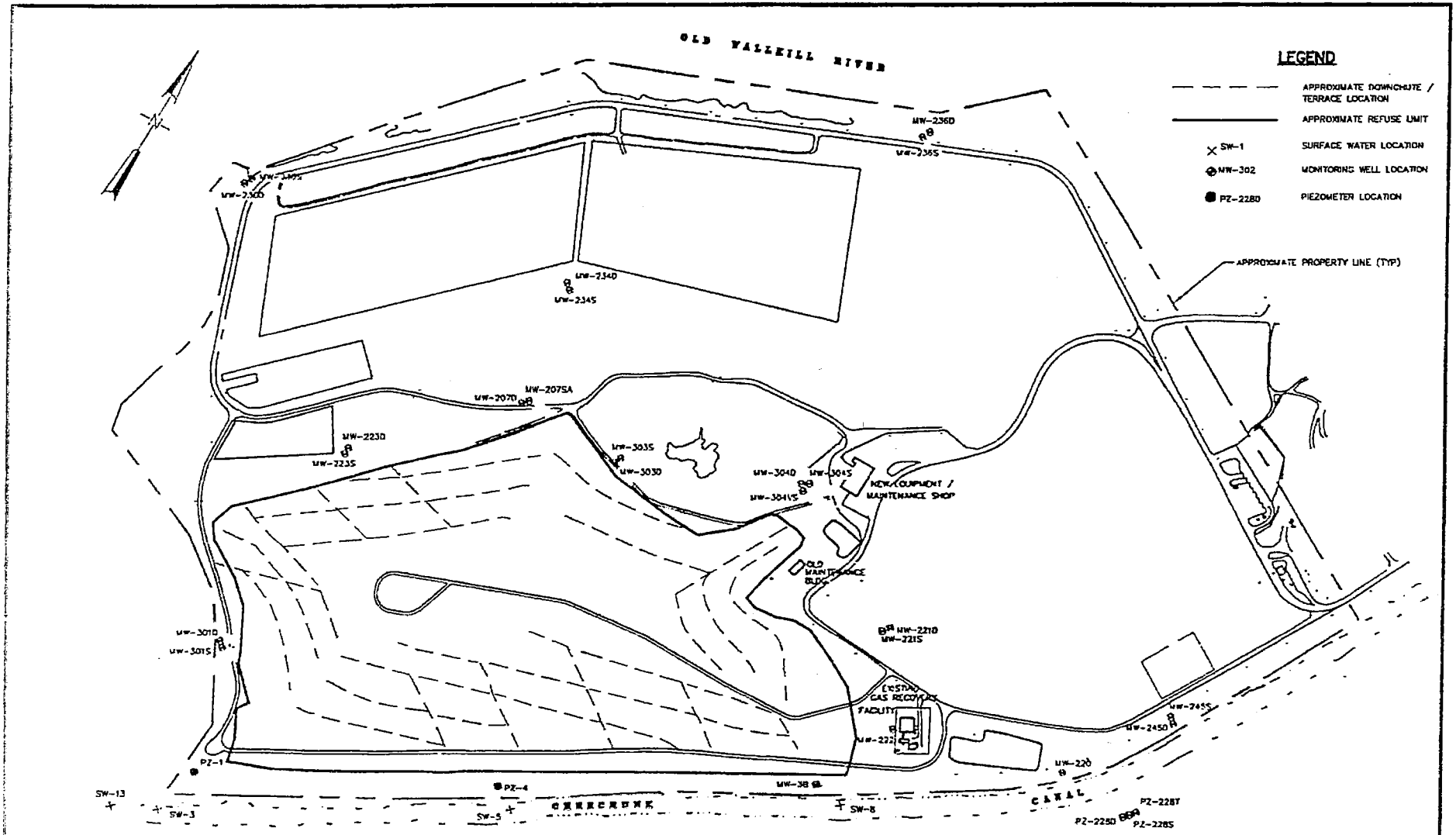
COMMENTS: The proplems with Tanks L-2, L-3, and L-4 have been foreworded to Gary from our main office. He also did an email to Brian Cook regarding the problems.

CORRECTIVE ACTION TAKEN: Waiting for Cook to address the problems. They are responsible for all repairs to tanks, piping and electric.

BY: _____

DATE: ___ __ __

C:\JOBS\MRY\#2535\2535F-2A.DWG 03/12/96



SCALE: 1" = 600'

Stearns&Wheler
ENVIRONMENTAL ENGINEERS & SCIENTISTS

DATE: 03/96 JOB No.: 2535

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

FIGURE 2A
FIELD INSPECTION SITE MAP

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 12/13/17 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *	
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly		
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
9.	Grass condition	☑ Good	☐ Poor	☐ Dead	
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other	
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:_____	
12.	Capped Gas Wells	☑ Good Condition	☐ Damaged*		
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *	
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*		
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)		
16.	Geomembrane liner exposed	☑ No	☐ Yes		
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)		
18.	Most recent mowing date: 9/13/17				
19.	Stressed vegetation	☑ No	☐ Yes*		
20.	Damage to leachate cleanouts	☑ No	☐ Yes		
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*		
22.	Litter present	☑ No	☐ Yes	Est. removal date:_____	
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *	
24.	Fallen trees	☑ None	☐ Present on cap *	Est. removal date:_____	
25.	Evidence of trespass	☐ Yes*	☑ No		
	Evidence of motor vehicle trespass	☑ No	☐ Auto/Truck	☐ Motorcycle	☐ ATV
27.	Woodchuck/rodent holes in cap	☑ No	☐ Yes	Date Backfilled:_____	
28.	Evidence of lightning strike	☑ No	☐ Yes *		

29. Unauthorized materials present ☑ No ☐ Yes *

30. Dead Animals present ☑ No ☐ Yes *

31. Oil slick on adjacent waters ☑ No ☐ Yes *

32. Damaged leachate manholes ☑ No ☐ Yes *

33. Leachate seeps ☑ No ☐ Yes Stain Color: _____

Length: _____

34. Leachate fluid ☐ Puddle * ☐ Stream * ☑ None

35. Gulls/scavenger birds present ☑ No ☐ Yes *

36. Other animal foraging evidence ☑ No ☐ Yes *

37. No smoking warnings ☑ Present ☐ Missing/Damaged

38. Survey Monuments ☑ Undisturbed ☐ Disturbed

39. Leachate Collection tanks and piping

L - 1	☑ OK	☐ Problem *
L - 2	☐ OK	☑ Problem *
L - 3	☐ OK	☑ Problem *
L - 4	☐ OK	☑ Problem *
L - 5	☑ OK	☐ Problem *
L - 7	☑ OK	☐ Problem *

35. Condensate Tanks

C - 1	☑ OK	☐ Problem *
C – 2	☑ OK	☐ Problem *
C - 3	☑ OK	☐ Problem *
C – 4 (Maintenance Shop)	☑ OK	☐ Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

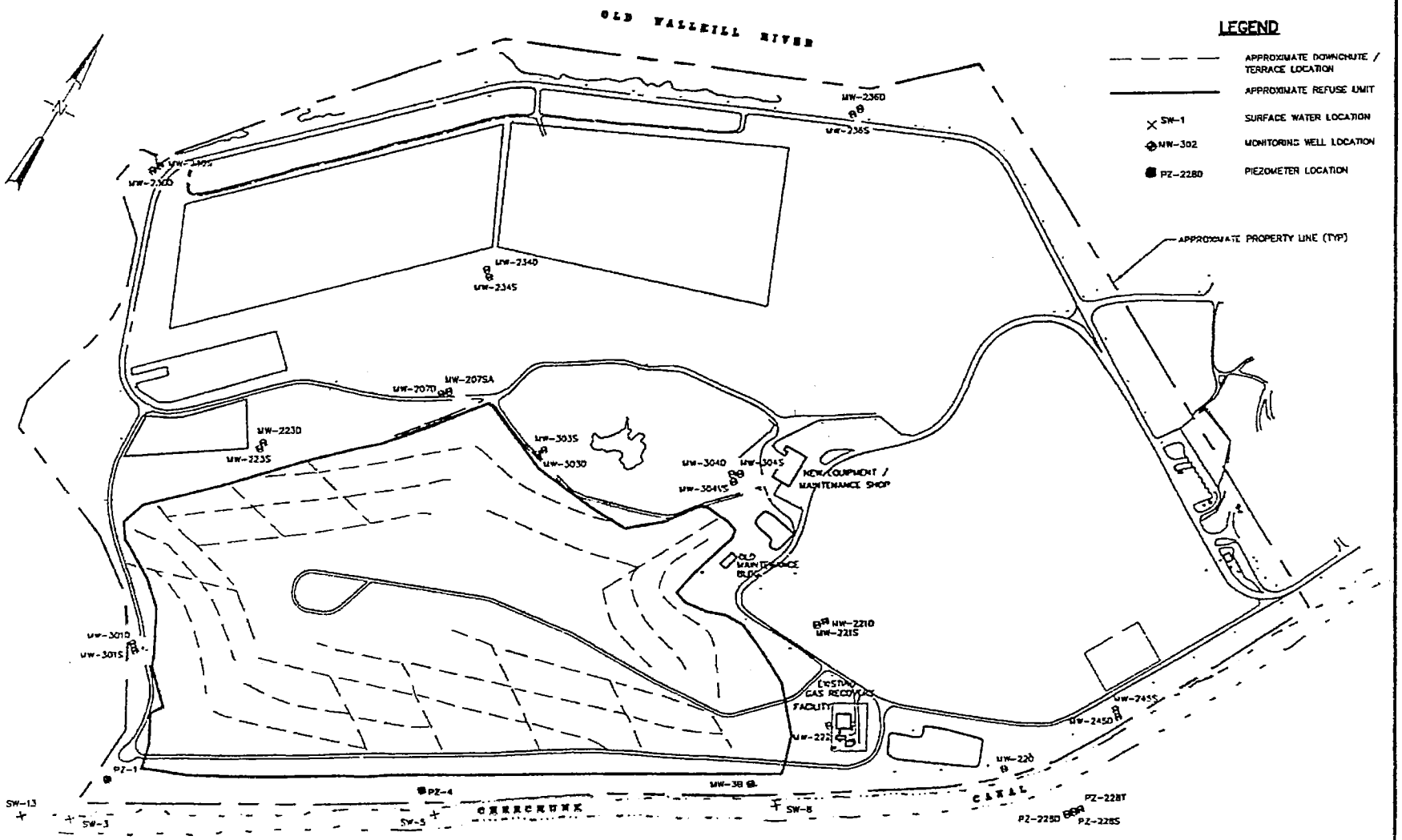
COMMENTS: STill have existing problems with tanks L-2 and L-3 The vendor responsible for repairing them "Cook" Sent a tech in but he didnt fix anything. I Sent another e-mail. L-2 and L-3 are not working.

CORRECTIVE ACTION TAKEN: Waiting for Cook to address the problems. They are responsible for all repairs to tanks, piping and electric.

BY:

DATE:

C:\JOBS\MRY\#2535\2535F-2A.DWG 03/12/96



SCALE: 1" = 600'

Stearns & Wheler
ENVIRONMENTAL ENGINEERS & SCIENTISTS

DATE: 03/96 JOB No.: 2535

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

FIGURE 2A
FIELD INSPECTION SITE MAP

ANNUAL MONITORING AND MAINTENANCE OPERATIONS CHECKLIST
ORANGE COUNTY LANDFILL
YEAR 2018

TASK DESCRIPTION	TASK FREQUENCY	MONTH TASK WAS COMPLETED [2]											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Mowing	Bi-annually					5/9							
Monthly Inspections (Internal)	Monthly	K.S. 1/17	K.S. 2/14	K.S. 3/7	K.S. 4/11	K.S. 5/9							
Annual Post-Closure Monitoring Report Submitted to NYSDEC[1]	Every Fifth Quarter												
Periodic Review Report Submitted to NYSDEC	Annually												

[1] Annual Monitoring includes groundwater monitoring, surface water monitoring, leachate monitoring, and explosive gas monitoring.

[2] Upon completeion of the task, the appropriate space should be initial and dated by the person that completed the task.

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 1/17/18 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly	
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments
9.	Grass condition	☑ Good	☐ Poor	☐ Dead
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:_____
12.	Capped Gas Wells	☑ Good Condition	☐ Damaged*	
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*	
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)	
16.	Geomembrane liner exposed	☑ No	☐ Yes	
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)	
18.	Most recent mowing date: 9/13/17			
19.	Stressed vegetation	☑ No	☐ Yes*	
20.	Damage to leachate cleanouts	☑ No	☐ Yes	
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*	
22.	Litter present	☑ No	☐ Yes	Est. removal date:_____
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *
24.	Fallen trees	☑ None	☐ Present on cap *	Est. removal date:_____
25.	Evidence of trespass	☐ Yes*	☑ No	
	Evidence of motor vehicle trespass	☑ No	☐ Auto/Truck ☐ Motorcycle ☐ ATV	
27.	Woodchuck/rodent holes in cap	☑ No	☐ Yes	Date Backfilled:_____
28.	Evidence of lightning strike	☑ No	☐ Yes *	

29. Unauthorized materials present — [x] No — [ ] Yes *

30. Dead Animals present — [x] No — [ ] Yes *

31. Oil slick on adjacent waters — [x] No — [ ] Yes *

32. Damaged leachate manholes — [x] No — [ ] Yes *

33. Leachate seeps — [x] No — [ ] Yes — Stain Color: _____

Length: _____

34. Leachate fluid — [ ] Puddle * — [ ] Stream * — [x] None

35. Gulls/scavenger birds present — [x] No — [ ] Yes *

36. Other animal foraging evidence — [x] No — [ ] Yes *

37. No smoking warnings — [x] Present — [ ] Missing/Damaged

38. Survey Monuments — [x] Undisturbed — [ ] Disturbed

39. Leachate Collection tanks and piping

L - 1	[x] OK	[ ] Problem *
L - 2	[ ] OK	[x] Problem *
L - 3	[ ] OK	[x] Problem *
L - 4	[x] OK	[ ] Problem *
L - 5	[x] OK	[ ] Problem *
L - 7	[x] OK	[ ] Problem *

35. Condensate Tanks

C - 1	[x] OK	[ ] Problem *
C – 2	[x] OK	[ ] Problem *
C - 3	[x] OK	[ ] Problem *
C – 4	(Maintenance Shop)	
	[x] OK	[ ] Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

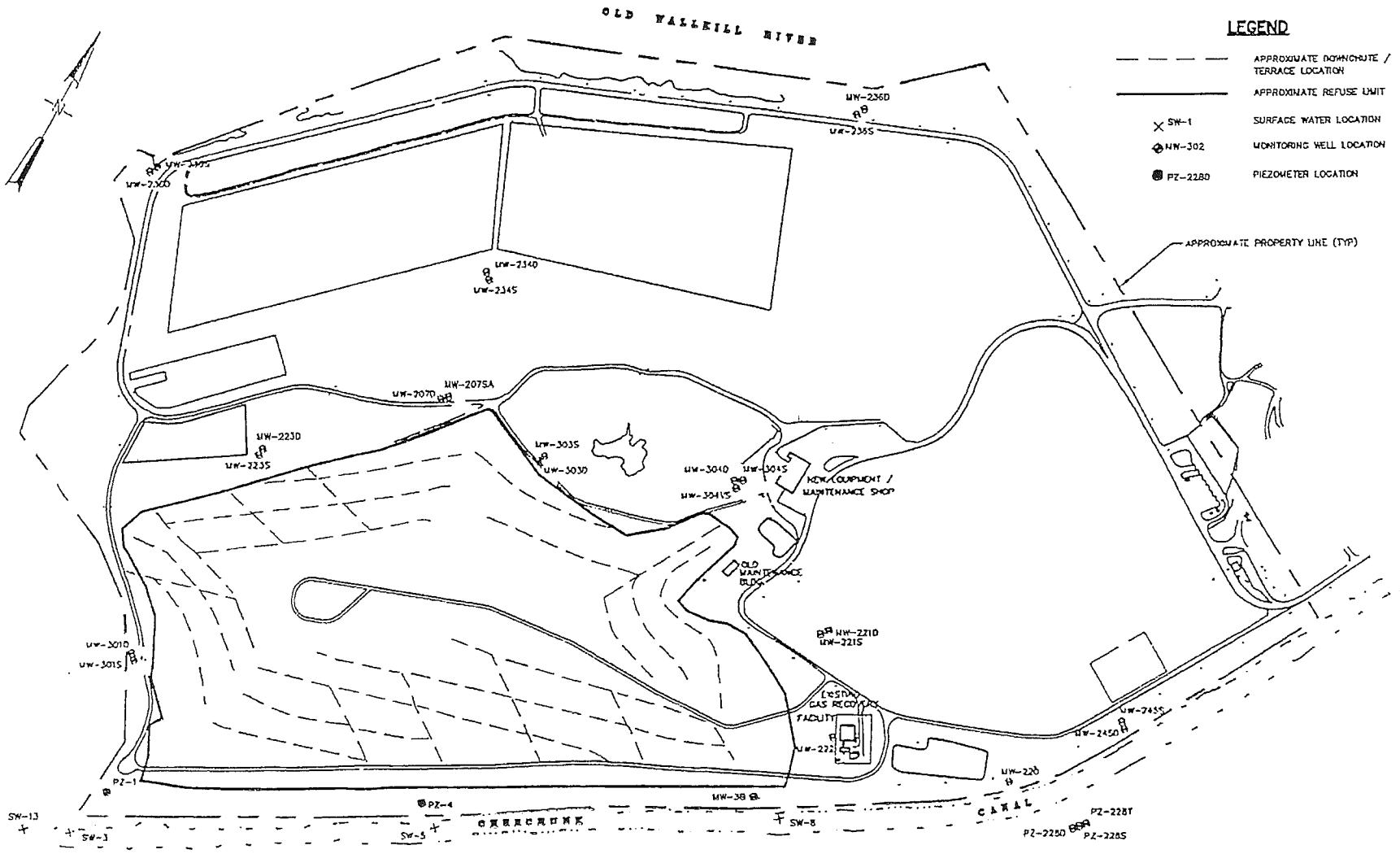
COMMENTS: L-2 and L-3 still not working.

CORRECTIVE ACTION TAKEN: None!

BY: _____

DATE: _____

C:\JOBS\MRY\#2535\2535F-2A.DWG 03/12/96



SCALE: 1" = 600'

Stearns&Wheler
ENVIRONMENTAL ENGINEERS & SCIENTISTS

DATE: 03/96 JOB No.: 2535

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

FIGURE 2A
FIELD INSPECTION SITE MAP

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 2/14/18 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *	
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly		
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
9.	Grass condition	☑ Good	☐ Poor	☐ Dead	
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other	
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:_____	
12.	Capped Gas Wells	☑ Good Condition	☐ Damaged*		
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *	
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*		
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)		
16.	Geomembrane liner exposed	☑ No	☐ Yes		
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)		
18.	Most recent mowing date: 9/13/17				
19.	Stressed vegetation	☑ No	☐ Yes*		
20.	Damage to leachate cleanouts	☑ No	☐ Yes		
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*		
22.	Litter present	☑ No	☐ Yes	Est. removal date:_____	
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *	
24.	Fallen trees	☑ None	☐ Present on cap *	Est. removal date:_____	
25.	Evidence of trespass	☐ Yes*	☑ No		
	Evidence of motor vehicle trespass	☑ No	☐ Auto/Truck	☐ Motorcycle	☐ ATV
27.	Woodchuck/rodent holes in cap	☑ No	☐ Yes	Date Backfilled:_____	
28.	Evidence of lightning strike	☑ No	☐ Yes *		

29. Unauthorized materials present — [x] No — [ ] Yes *

30. Dead Animals present — [x] No — [ ] Yes *

31. Oil slick on adjacent waters — [x] No — [ ] Yes *

32. Damaged leachate manholes — [x] No — [ ] Yes *

33. Leachate seeps — [x] No — [ ] Yes — Stain Color: _____

Length: _____

34. Leachate fluid — [ ] Puddle * — [ ] Stream * — [x] None

35. Gulls/scavenger birds present — [x] No — [ ] Yes *

36. Other animal foraging evidence — [x] No — [ ] Yes *

37. No smoking warnings — [x] Present — [ ] Missing/Damaged

38. Survey Monuments — [x] Undisturbed — [ ] Disturbed

39. Leachate Collection tanks and piping

L - 1	[x] OK	[ ] Problem *
L - 2	[ ] OK	[x] Problem *
L - 3	[ ] OK	[x] Problem *
L - 4	[x] OK	[ ] Problem *
L - 5	[x] OK	[ ] Problem *
L - 7	[x] OK	[ ] Problem *

35. Condensate Tanks

C - 1	[x] OK	[ ] Problem *
C – 2	[x] OK	[ ] Problem *
C - 3	[x] OK	[ ] Problem *
C – 4	(Maintenance Shop)	
	[x] OK	[ ] Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

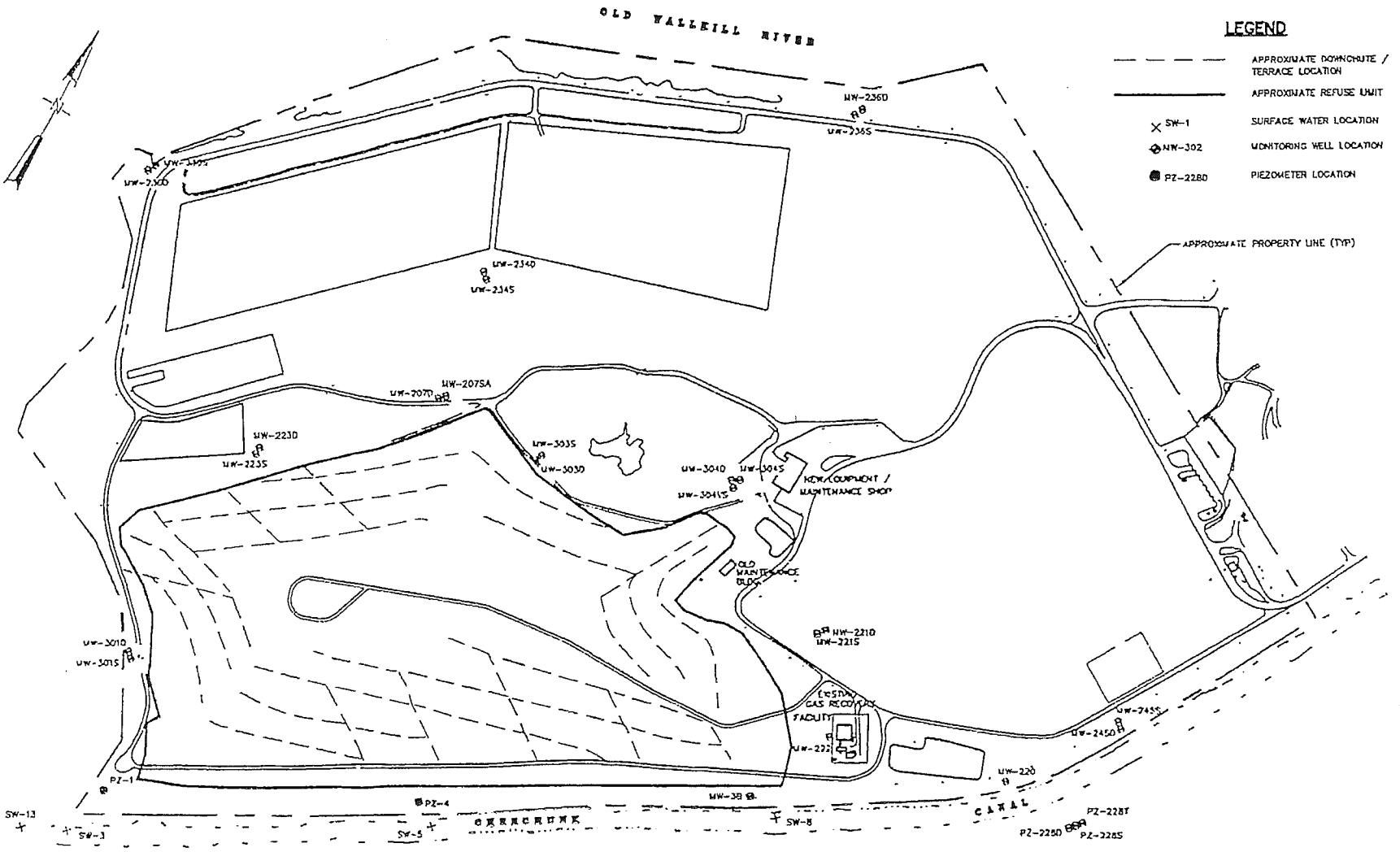
COMMENTS: L-2 + L-3 Still not working.

CORRECTIVE ACTION TAKEN: None.

BY: _____

DATE: _____

C:\JOBS\MRY\#2535\2535F-2A.DWG 03/12/96



Stearns & Wheler
ENVIRONMENTAL ENGINEERS & SCIENTISTS

SCALE: 1" = 600'

DATE: 03/96 JOB No.: 2535

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

FIGURE 2A
FIELD INSPECTION SITE MAP

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 3/7/18 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *	
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly		
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments	
9.	Grass condition	☑ Good	☐ Poor	☐ Dead	
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other	
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:_____	
12.	Capped Gas Wells	☑ Good Condition	☐ Damaged*		
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *	
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*		
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)		
16.	Geomembrane liner exposed	☑ No	☐ Yes		
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)		
18.	Most recent mowing date: 9/13/17				
19.	Stressed vegetation	☑ No	☐ Yes*		
20.	Damage to leachate cleanouts	☑ No	☐ Yes		
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*		
22.	Litter present	☑ No	☐ Yes	Est. removal date:_____	
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *	
24.	Fallen trees	☑ None	☐ Present on cap *	Est. removal date:_____	
25.	Evidence of trespass	☐ Yes*	☑ No		
	Evidence of motor vehicle trespass	☑ No	☐ Auto/Truck	☐ Motorcycle	☐ ATV
27.	Woodchuck/rodent holes in cap	☑ No	☐ Yes	Date Backfilled:_____	
28.	Evidence of lightning strike	☑ No	☐ Yes *		

29. Unauthorized materials present — [x] No — [ ] Yes *

30. Dead Animals present — [x] No — [ ] Yes *

31. Oil slick on adjacent waters — [x] No — [ ] Yes *

32. Damaged leachate manholes — [x] No — [ ] Yes *

33. Leachate seeps — [x] No — [ ] Yes — Stain Color: _____

Length: _____

34. Leachate fluid — [ ] Puddle * — [ ] Stream * — [x] None

35. Gulls/scavenger birds present — [x] No — [ ] Yes *

36. Other animal foraging evidence — [x] No — [ ] Yes *

37. No smoking warnings — [x] Present — [ ] Missing/Damaged

38. Survey Monuments — [x] Undisturbed — [ ] Disturbed

39. Leachate Collection tanks and piping

L - 1	[x] OK	[ ] Problem *
L - 2	[ ] OK	[x] Problem *
L - 3	[ ] OK	[x] Problem *
L - 4	[x] OK	[ ] Problem *
L - 5	[x] OK	[ ] Problem *
L - 7	[x] OK	[ ] Problem *

35. Condensate Tanks

C - 1	[x] OK	[ ] Problem *
C – 2	[x] OK	[ ] Problem *
C - 3	[x] OK	[ ] Problem *
C – 4 (Maintenance Shop)	[x] OK	[ ] Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

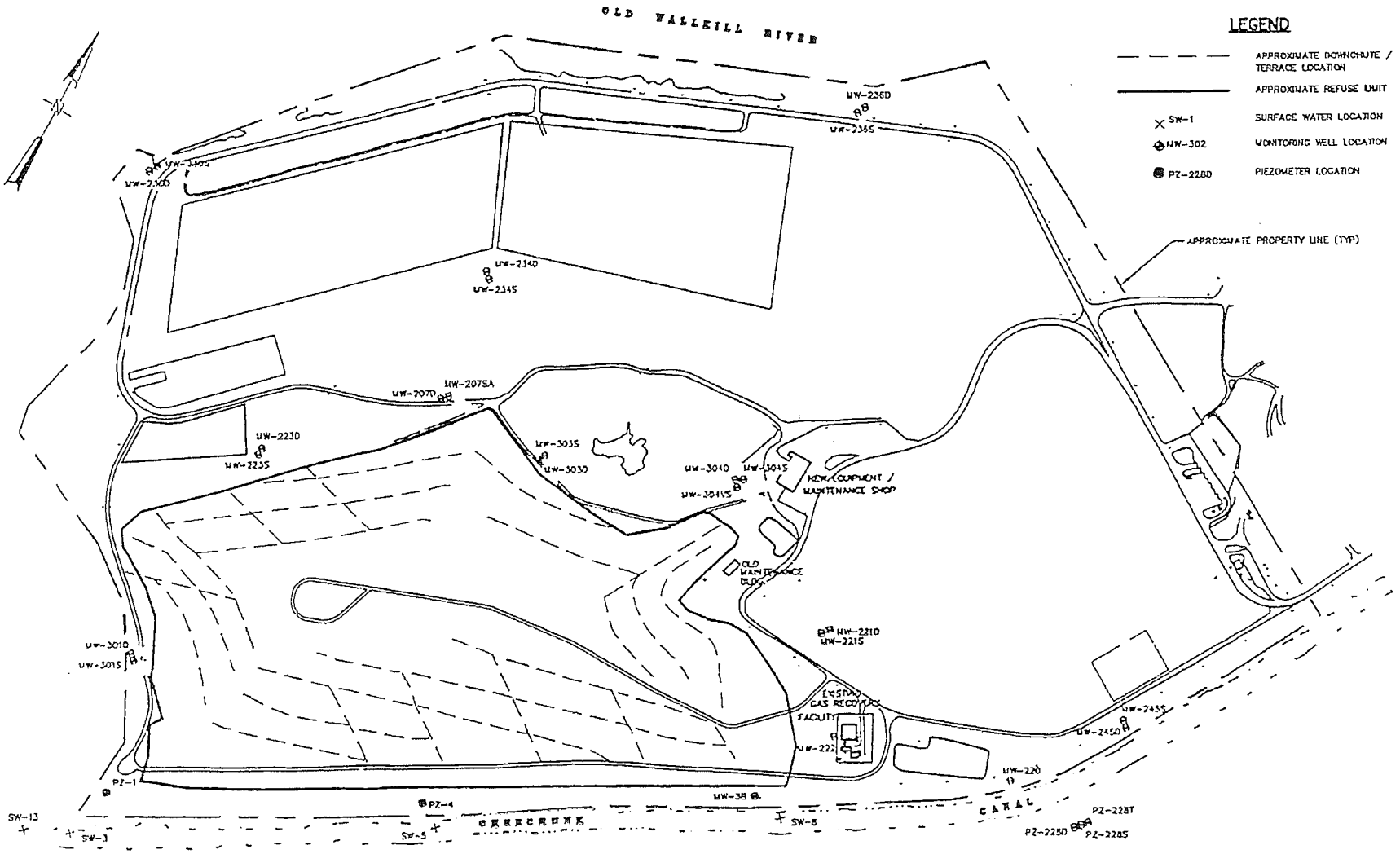
COMMENTS: L-2 and L-3 still not working

CORRECTIVE ACTION TAKEN: None

BY: _____

DATE: _____

C:\JOBS\MRY\#2535\2535F-2A.DWG 03/12/96



SCALE: 1" = 600'

Stearns & Wheler
ENVIRONMENTAL ENGINEERS & SCIENTISTS

DATE: 03/96 JOB No.: 2535

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

FIGURE 2A
FIELD INSPECTION SITE MAP

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 4/11/18 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly	
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments
9.	Grass condition	☑ Good	☐ Poor	☐ Dead
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:_____
12.	Capped Gas Wells	☑ Good Condition	☐ Damaged*	
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*	
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)	
16.	Geomembrane liner exposed	☑ No	☐ Yes	
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)	
18.	Most recent mowing date: 9/13/17			
19.	Stressed vegetation	☑ No	☐ Yes*	
20.	Damage to leachate cleanouts	☑ No	☐ Yes	
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*	
22.	Litter present	☑ No	☐ Yes	Est. removal date:_____
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *
24.	Fallen trees	☑ None	☐ Present on cap *	Est. removal date:_____
25.	Evidence of trespass	☐ Yes*	☑ No	
	Evidence of motor vehicle trespass	☑ No	☐ Auto/Truck ☐ Motorcycle ☐ ATV	
27.	Woodchuck/rodent holes in cap	☑ No	☐ Yes	Date Backfilled:_____
28.	Evidence of lightning strike	☑ No	☐ Yes *	

29. Unauthorized materials present ☑ No ☐ Yes *

30. Dead Animals present ☑ No ☐ Yes *

31. Oil slick on adjacent waters ☑ No ☐ Yes *

32. Damaged leachate manholes ☑ No ☐ Yes *

33. Leachate seeps ☑ No ☐ Yes Stain Color: _____

Length: _____

34. Leachate fluid ☐ Puddle * ☐ Stream * ☑ None

35. Gulls/scavenger birds present ☑ No ☐ Yes *

36. Other animal foraging evidence ☑ No ☐ Yes *

37. No smoking warnings ☑ Present ☐ Missing/Damaged

38. Survey Monuments ☑ Undisturbed ☐ Disturbed

39. Leachate Collection tanks and piping

L - 1	☑ OK	☐ Problem *
L - 2	☐ OK	☑ Problem *
L - 3	☐ OK	☑ Problem *
L - 4	☑ OK	☐ Problem *
L - 5	☑ OK	☐ Problem *
L - 7	☑ OK	☐ Problem *

35. Condensate Tanks

C - 1	☑ OK	☐ Problem *
C – 2	☑ OK	☐ Problem *
C - 3	☑ OK	☐ Problem *
C – 4	(Maintenance Shop)	
	☑ OK	☐ Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

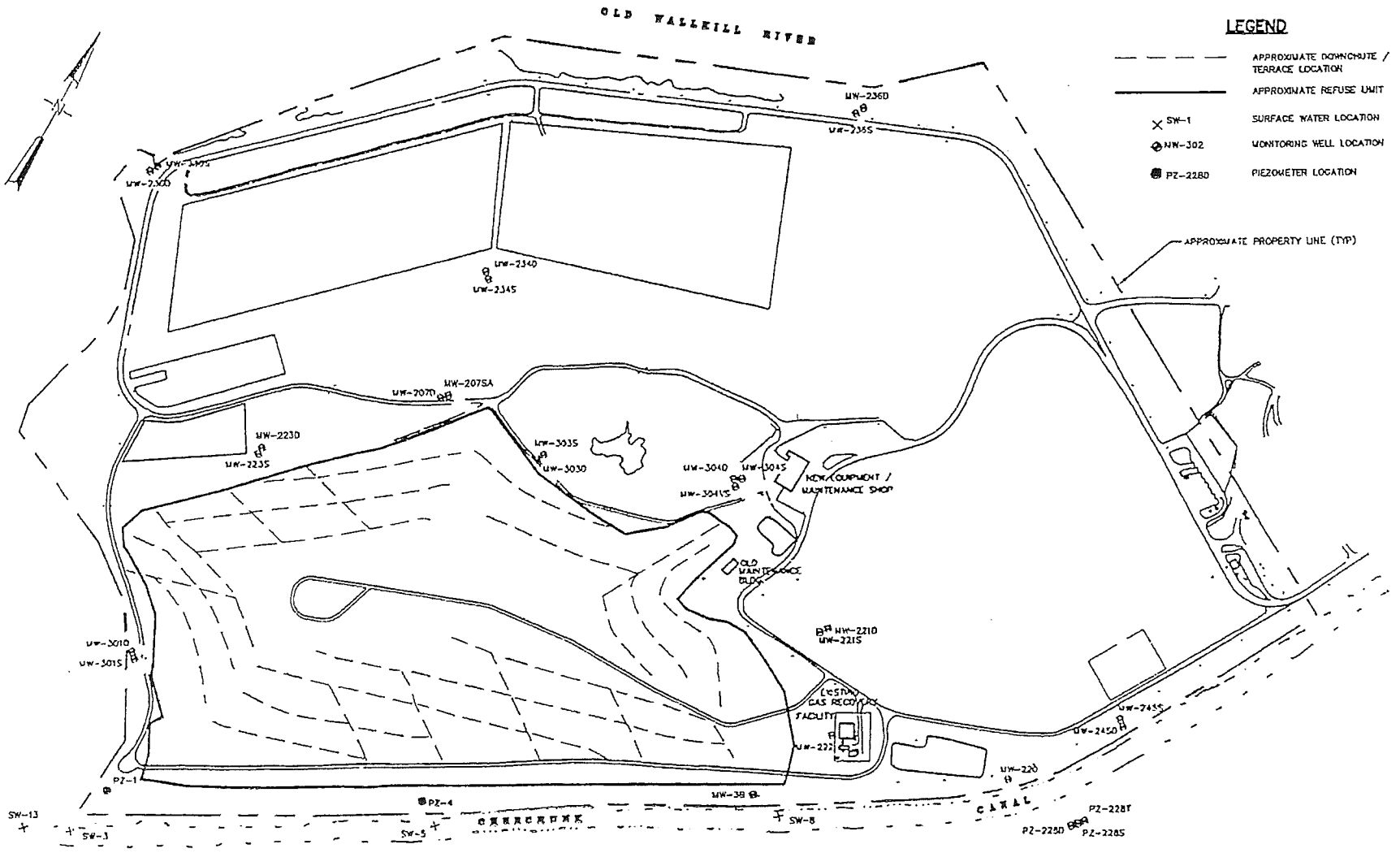
COMMENTS: L-2 and L-3 still not working.

CORRECTIVE ACTION TAKEN: None

BY: _____

DATE: _____

C:\JOBS\MRY\#2535\2535F-2A.DWG 03/12/96



SCALE: 1" = 600'

Stearns & Wheler
ENVIRONMENTAL ENGINEERS & SCIENTISTS

DATE: 03/96 JOB No.: 2535

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

FIGURE 2A
FIELD INSPECTION SITE MAP

ORANGE COUNTY LANDFILL
SITE MANAGEMENT PLAN

MONTHLY POST-CLOSURE FIELD INSPECTION REPORT
ORANGE COUNTY

Date: 5/9/18 Performed By: Ken Sherwood

1.	Access road condition	☑ Good	☐ Fair	☐ Poor *
2.	Access Control (Monitoring of Access road & entrance into landfill property)	☑ Has been maintained properly	☐ Has not been maintained properly	
3.	Roadside ditches, culverts & other site drainage ways	☑ Unobstructed	☐ Obstructed *	☐ Sediments
4.	Catch Basins	☑ Unobstructed	☐ Obstructed *	☐ Sediments
5.	Detention Basin	☑ Unobstructed	☐ Obstructed *	☐ Sediments
6.	Terraces	☑ Unobstructed	☐ Obstructed *	☐ Sediments
7.	Terraces downchutes	☑ Unobstructed	☐ Obstructed *	☐ Sediments
8.	Terraces headwall	☑ Unobstructed	☐ Obstructed *	☐ Sediments
9.	Grass condition	☑ Good	☐ Poor	☐ Dead
10.	Other Plants Present	☐ Burdock	☐ Thistle	☐ Other
11.	Woody Plants	☑ Not on cap	☐ Present*	Date Removed:_____
12.	Capped Gas Wells	☑ Good Condition	☐ Damaged*	
13.	Surface erosion	☑ None	☐ Minor	☐ Needs repair *
14.	Landfill Stability (Sloughing)	☑ No soil movement	☐ Soil movement present*	
15.	Cracks (Within landfill cover)	☑ No Cracks Visible	☐ Landfill cover crack(s) are visible* (Note Measurement, Location & Description)	
16.	Geomembrane liner exposed	☑ No	☐ Yes	
17.	Settlement	☑ No Settlement visible	☐ Settlement is visible* (Note Measurement, Location & Description)	
18.	Most recent mowing date: 9/13/17			
19.	Stressed vegetation	☑ No	☐ Yes*	
20.	Damage to leachate cleanouts	☑ No	☐ Yes	
21.	Monitoring Wells	☑ Secure with locks	☐ Damaged*	
22.	Litter present	☑ No	☐ Yes	Est. removal date:_____
23.	Evidence of ponded water	☑ None	☐ Observed*	☐ Suspected *
24.	Fallen trees	☑ None	☐ Present on cap *	Est. removal date:_____
25.	Evidence of trespass	☐ Yes*	☑ No	
	Evidence of motor vehicle trespass	☑ No	☐ Auto/Truck ☐ Motorcycle	☐ ATV
27.	Woodchuck/rodent holes in cap	☑ No	☐ Yes	Date Backfilled:_____
28.	Evidence of lightning strike	☑ No	☐ Yes *	

29. Unauthorized materials present ☑ No ☐ Yes *

30. Dead Animals present ☑ No ☐ Yes *

31. Oil slick on adjacent waters ☑ No ☐ Yes *

32. Damaged leachate manholes ☑ No ☐ Yes *

33. Leachate seeps ☑ No ☐ Yes Stain Color: _____

Length: _____

34. Leachate fluid ☐ Puddle * ☐ Stream * ☑ None

35. Gulls/scavenger birds present ☑ No ☐ Yes *

36. Other animal foraging evidence ☑ No ☐ Yes *

37. No smoking warnings ☑ Present ☐ Missing/Damaged

38. Survey Monuments ☑ Undisturbed ☐ Disturbed

39. Leachate Collection tanks and piping

L - 1	☑ OK	☐ Problem *
L - 2	☐ OK	☑ Problem *
L - 3	☐ OK	☑ Problem *
L - 4	☑ OK	☐ Problem *
L - 5	☑ OK	☐ Problem *
L - 7	☑ OK	☐ Problem *

35. Condensate Tanks

C - 1	☑ OK	☐ Problem *
C – 2	☑ OK	☐ Problem *
C - 3	☑ OK	☐ Problem *
C – 4	(Maintenance Shop)	
	☑ OK	☐ Problem *

* = Enter comment on next page and mark location on map with an "X" and item number

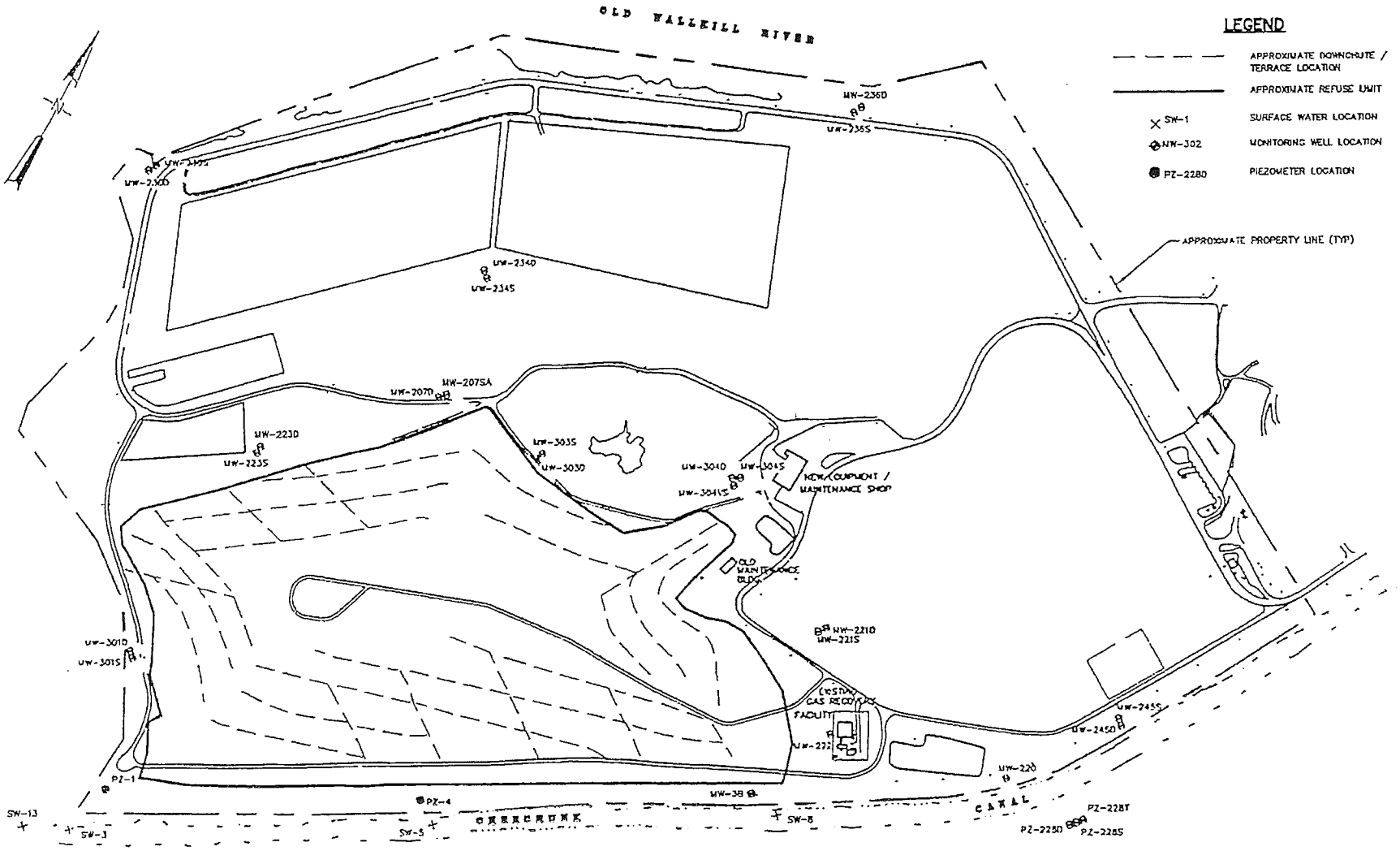
COMMENTS: L-2 and L-3 not working.

CORRECTIVE ACTION TAKEN: Done!

BY: _____

DATE: _____

C:\JOBS\MRY\#2535\2535F-2A.DWG 03/12/96



Stearns & Wheler
ENVIRONMENTAL ENGINEERS & SCIENTISTS

SCALE: 1" = 600'

DATE: 03/96 JOB No.: 2535

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

FIGURE 2A
FIELD INSPECTION SITE MAP

APPENDIX B

ORANGE COUNTY LEACHATE VOLUME COLLECTED FROM LEACHATE COLLECTION SYSTEM

Material Usage ALL SITES

From Date: 2/1/2017 to 12/31/2017
From Material: 047 to 049
From Customer: to zzzzzzzzzzzzzz
Direction: ALL

Print Date: 6/11/2018
Print Time: 2:00PM

Truck ID	Ticket Date	Ticket Number	Unit	Net	Material	Tax	Other	Total
Outgoing								
Material: 048		Fred A. Cook Jr. Inc						
Customer: 140		LEACH. - MANHOLES						
1717	2/7/17	2209186	5168.293 Gal	21.190 tn			$0.00	$0.00
1717	2/13/17	2209701	5180.488 Gal	21.240 tn			$0.00	$0.00
1717	2/23/17	2210809	1390.244 Gal	5.700 tn			$0.00	$0.00
1717	2/23/17	2210818	1921.951 Gal	7.880 tn			$0.00	$0.00
1717	2/23/17	2210866	5231.707 Gal	21.450 tn			$0.00	$0.00
1715	2/24/17	2210971	6887.805 Gal	28.240 tn			$0.00	$0.00
1715	2/24/17	2211044	6778.049 Gal	27.790 tn			$0.00	$0.00
1717	3/2/17	2211977	5146.341 Gal	21.100 tn			$0.00	$0.00
1717	3/3/17	2212129	4924.390 Gal	20.190 tn			$0.00	$0.00
1717	3/3/17	2212200	5112.195 Gal	20.960 tn			$0.00	$0.00
1717	3/24/17	2214471	2812.195 Gal	11.530 tn			$0.00	$0.00
1717	3/24/17	2214476	1887.805 Gal	7.740 tn			$0.00	$0.00
1717	3/27/17	2214686	4953.659 Gal	20.310 tn			$0.00	$0.00
1717	3/27/17	2214694	3292.683 Gal	13.500 tn			$0.00	$0.00
1717	3/27/17	2214739	4841.463 Gal	19.850 tn			$0.00	$0.00
1717	3/27/17	2214744	3331.707 Gal	13.660 tn			$0.00	$0.00
1715	3/28/17	2214868	5951.220 Gal	24.400 tn			$0.00	$0.00
1715	3/28/17	2214907	6721.951 Gal	27.560 tn			$0.00	$0.00
1715	3/29/17	2214938	6960.976 Gal	28.540 tn			$0.00	$0.00
1715	3/29/17	2214976	6953.659 Gal	28.510 tn			$0.00	$0.00
1715	3/29/17	2215038	6982.927 Gal	28.630 tn			$0.00	$0.00
1715	3/30/17	2215115	7007.317 Gal	28.730 tn			$0.00	$0.00
1715	3/30/17	2215151	6514.634 Gal	26.710 tn			$0.00	$0.00
1715	3/30/17	2215227	7002.439 Gal	28.710 tn			$0.00	$0.00
1715	3/31/17	2215334	7021.951 Gal	28.790 tn			$0.00	$0.00
1715	3/31/17	2215380	7060.976 Gal	28.950 tn			$0.00	$0.00
1715	3/31/17	2215443	6702.439 Gal	27.480 tn			$0.00	$0.00
1717	4/8/17	2216530	1197.561 Gal	4.910 tn			$0.00	$0.00
1717	4/8/17	2216591	5029.268 Gal	20.620 tn			$0.00	$0.00
1715	4/11/17	2216975	7060.976 Gal	28.950 tn			$0.00	$0.00
1717	4/12/17	2217255	2136.585 Gal	8.760 tn			$0.00	$0.00
1717	4/12/17	2217265	1965.854 Gal	8.060 tn			$0.00	$0.00
1717	4/12/17	2217386	4834.146 Gal	19.820 tn			$0.00	$0.00
1717	4/22/17	2219159	973.171 Gal	3.990 tn			$0.00	$0.00
1717	4/22/17	2219168	4139.024 Gal	16.970 tn			$0.00	$0.00
1717	4/22/17	2219238	5097.561 Gal	20.900 tn			$0.00	$0.00
1717	5/11/17	2222576	5092.683 Gal	20.880 tn			$0.00	$0.00
1717	5/11/17	2222625	1792.683 Gal	7.350 tn			$0.00	$0.00
1717	5/11/17	2222631	3312.195 Gal	13.580 tn			$0.00	$0.00
1715	5/12/17	2222759	7068.293 Gal	28.980 tn			$0.00	$0.00
1715	5/12/17	2222820	7070.732 Gal	28.990 tn			$0.00	$0.00

Material Usage ALL SITES

From Date: 2/1/2017 to 12/31/2017
From Material: 047 to 049
From Customer: to zzzzzzzzzzzzzzz
Direction: ALL

Print Date: 6/11/2018
Print Time: 2:01PM

Truck ID	Ticket Date	Ticket Number	Unit	Net	Material	Tax	Other	Total
1715	5/24/17	2224838	1180.488 Gal	4.840 tn			$0.00	$0.00
1715	5/24/17	2224864	5875.610 Gal	24.090 tn			$0.00	$0.00
1717	5/24/17	2224872	5117.073 Gal	20.980 tn			$0.00	$0.00
1715	5/24/17	2224937	7024.390 Gal	28.800 tn			$0.00	$0.00
1717	5/24/17	2224939	5014.634 Gal	20.560 tn			$0.00	$0.00
1715	5/25/17	2225003	6870.732 Gal	28.170 tn			$0.00	$0.00
1715	5/25/17	2225044	7100.000 Gal	29.110 tn			$0.00	$0.00
1715	5/30/17	2225608	7007.317 Gal	28.730 tn			$0.00	$0.00
1715	5/30/17	2225658	6490.244 Gal	26.610 tn			$0.00	$0.00
1717	6/12/17	2228231	1609.756 Gal	6.600 tn			$0.00	$0.00
1717	6/14/17	2228454	5153.659 Gal	21.130 tn			$0.00	$0.00
1717	6/14/17	2228512	4951.220 Gal	20.300 tn			$0.00	$0.00
1715	6/20/17	2229508	7026.829 Gal	28.810 tn			$0.00	$0.00
1715	6/20/17	2229581	7046.341 Gal	28.890 tn			$0.00	$0.00
1715	6/29/17	2231217	6504.878 Gal	26.670 tn			$0.00	$0.00
1715	6/29/17	2231300	280.488 Gal	1.150 tn			$0.00	$0.00
1715	6/29/17	2231308	6531.707 Gal	26.780 tn			$0.00	$0.00
1717	7/14/17	2234072	1060.976 Gal	4.350 tn			$0.00	$0.00
1717	8/18/17	2240131	270.732 Gal	1.110 tn			$0.00	$0.00
1717	8/18/17	2240146	4641.463 Gal	19.030 tn			$0.00	$0.00
1717	8/18/17	2240203	3007.317 Gal	12.330 tn			$0.00	$0.00
1717	8/18/17	2240220	2087.805 Gal	8.560 tn			$0.00	$0.00
1717	8/24/17	2241187	1543.902 Gal	6.330 tn			$0.00	$0.00
1717	9/6/17	2243374	1568.293 Gal	6.430 tn			$0.00	$0.00
1715	9/15/17	2244808	2917.073 Gal	11.960 tn			$0.00	$0.00
1715	9/15/17	2244812	4039.024 Gal	16.560 tn			$0.00	$0.00
1715	9/15/17	2244848	6992.683 Gal	28.670 tn			$0.00	$0.00
1715	9/15/17	2244927	7034.146 Gal	28.840 tn			$0.00	$0.00
1717	9/20/17	2245587	5131.707 Gal	21.040 tn			$0.00	$0.00
1717	9/20/17	2245657	5102.439 Gal	20.920 tn			$0.00	$0.00
1717	9/26/17	2246490	7019.512 Gal	28.780 tn			$0.00	$0.00
1715	9/26/17	2246536	2273.171 Gal	9.320 tn			$0.00	$0.00
1715	9/26/17	2246544	4778.049 Gal	19.590 tn			$0.00	$0.00
1715	9/26/17	2246560	6075.610 Gal	24.910 tn			$0.00	$0.00
1715	9/26/17	2246611	7051.220 Gal	28.910 tn			$0.00	$0.00
1716	9/26/17	2246636	6890.244 Gal	28.250 tn			$0.00	$0.00
1715	9/27/17	2246684	6529.268 Gal	26.770 tn			$0.00	$0.00
1715	9/27/17	2246735	6892.683 Gal	28.260 tn			$0.00	$0.00
1716	9/27/17	2246760	5334.146 Gal	21.870 tn			$0.00	$0.00
1716	10/2/17	2247591	697.561 Gal	2.860 tn			$0.00	$0.00
1715	10/4/17	2247842	7036.585 Gal	28.850 tn			$0.00	$0.00
1715	10/12/17	2249204	970.732 Gal	3.980 tn			$0.00	$0.00
1715	10/12/17	2249210	1851.220 Gal	7.590 tn			$0.00	$0.00
1717	10/16/17	2249897	1178.049 Gal	4.830 tn			$0.00	$0.00
1717	10/24/17	2251129	997.561 Gal	4.090 tn			$0.00	$0.00

Material Usage ALL SITES

From Date: 2/1/2017 to 12/31/2017
From Material: 047 to 049
From Customer: to zzzzzzzzzzzzzzz
Direction: ALL

Print Date: 6/11/2018
Print Time: 2:01PM

Truck ID	Ticket Date	Ticket Number	Unit	Net		Material	Tax	Other	Total
1717	10/24/17	2251137	3136.585 Gal	12.860	tn			$0.00	$0.00
1717	10/26/17	2251570	3582.927 Gal	14.690	tn			$0.00	$0.00
1715	10/31/17	2252221	5658.537 Gal	23.200	tn			$0.00	$0.00
1715	10/31/17	2252228	946.341 Gal	3.880	tn			$0.00	$0.00
1715	11/14/17	2254393	2853.659 Gal	11.700	tn			$0.00	$0.00
1715	11/14/17	2254406	4051.220 Gal	16.610	tn			$0.00	$0.00
1717	11/21/17	2255516	1907.317 Gal	7.820	tn			$0.00	$0.00
1717	11/21/17	2255529	2141.463 Gal	8.780	tn			$0.00	$0.00
1717	12/27/17	2260463	2487.805 Gal	10.200	tn			$0.00	$0.00
Fred A. Cook Jr. Inc Totals			429036.587 Gal	1759.050	tn			$0.00	$0.00
Tickets: 95									
Customer: 601		LEACH. - MANHOLES							
60100	6/28/17	2231067	1546.341 Gal	6.340	tn			$0.00	$0.00
OC New Hampton Trans Station Totals			1546.341 Gal	6.340	tn			$0.00	$0.00
Tickets: 1									
LEACH. - MANHOLES Totals			430582.928 Gal	1,765.390	tn			$0.00	$0.00
Tickets: 96									
Material: 049		Fred A. Cook Jr. Inc							
Customer: 140		NEW CONST.-DITCH/POND							
1717	2/4/17	2208887	2365.854 Gal	9.700	tn			$0.00	$0.00
1717	2/4/17	2208893	2678.049 Gal	10.980	tn			$0.00	$0.00
1717	2/7/17	2209243	5224.390 Gal	21.420	tn			$0.00	$0.00
1717	2/13/17	2209658	4463.415 Gal	18.300	tn			$0.00	$0.00
Fred A. Cook Jr. Inc Totals			14731.708 Gal	60.400	tn			$0.00	$0.00
Tickets: 4									
NEW CONST.-DITCH/POND Totals			14731.708 Gal	60.400	tn			$0.00	$0.00
Tickets: 4									
Outgoing Totals				1825.790	tn			$0.00	$0.00
Tickets: 100									
In and Outbound Combined Totals				**1,825.79**		**$0.00**	**$0.00**	**$0.00**	**$0.00**
				0.00					

≈ TOTAL: 445,314.636 GALLONS

Material Usage ALL SITES

From Date: 1/1/2018 to 5/31/2018
From Material: 047 to 049
From Customer: to zzzzzzzzzzzzzzz
Direction: ALL

Print Date: 6/11/2018
Print Time: 2:06PM

Truck ID	Ticket Date	Ticket Number	Unit	Net	Material	Tax	Other	Total
			Outgoing					
Material:	**048**	Fred A. Cook Jr. Inc						
Customer:	**140**	LEACH. - MANHOLES						
1717	1/10/18	2261837	870.732 Gal	3.570 tn			$0.00	$0.00
1717	1/10/18	2261857	3929.268 Gal	16.110 tn			$0.00	$0.00
1715	2/13/18	2265843	6473.171 Gal	26.540 tn			$0.00	$0.00
1717	2/20/18	2266465	2882.927 Gal	11.820 tn			$0.00	$0.00
1717	2/20/18	2266470	1960.976 Gal	8.040 tn			$0.00	$0.00
1717	2/20/18	2266531	4251.220 Gal	17.430 tn			$0.00	$0.00
1717	2/20/18	2266606	5163.415 Gal	21.170 tn			$0.00	$0.00
1717	2/28/18	2267677	1851.220 Gal	7.590 tn			$0.00	$0.00
1717	2/28/18	2267687	1951.220 Gal	8.000 tn			$0.00	$0.00
1715	3/5/18	2268056	7021.951 Gal	28.790 tn			$0.00	$0.00
1717	3/9/18	2268612	5163.415 Gal	21.170 tn			$0.00	$0.00
1715	3/12/18	2268846	7060.976 Gal	28.950 tn			$0.00	$0.00
1717	3/14/18	2269177	5097.561 Gal	20.900 tn			$0.00	$0.00
1717	3/20/18	2269806	2856.098 Gal	11.710 tn			$0.00	$0.00
1717	3/20/18	2269814	2251.220 Gal	9.230 tn			$0.00	$0.00
1717	3/20/18	2269866	5143.902 Gal	21.090 tn			$0.00	$0.00
1717	3/27/18	2270887	390.244 Gal	1.600 tn			$0.00	$0.00
1717	3/27/18	2270896	4621.951 Gal	18.950 tn			$0.00	$0.00
1717	3/28/18	2270938	4660.976 Gal	19.110 tn			$0.00	$0.00
1717	3/28/18	2270992	4946.341 Gal	20.280 tn			$0.00	$0.00
1717	3/28/18	2271046	4948.780 Gal	20.290 tn			$0.00	$0.00
1717	4/24/18	2275400	2826.829 Gal	11.590 tn			$0.00	$0.00
1717	4/24/18	2275417	1951.220 Gal	8.000 tn			$0.00	$0.00
1717	4/24/18	2275508	5014.634 Gal	20.560 tn			$0.00	$0.00
1717	4/25/18	2275725	1175.610 Gal	4.820 tn			$0.00	$0.00
1717	4/26/18	2275879	2668.293 Gal	10.940 tn			$0.00	$0.00
1717	5/2/18	2276882	2902.439 Gal	11.900 tn			$0.00	$0.00
1717	5/2/18	2276885	2143.902 Gal	8.790 tn			$0.00	$0.00
1717	5/2/18	2276958	5107.317 Gal	20.940 tn			$0.00	$0.00
1717	5/17/18	2279558	2914.634 Gal	11.950 tn			$0.00	$0.00
1717	5/17/18	2279567	2190.244 Gal	8.980 tn			$0.00	$0.00
1717	5/17/18	2279639	5139.024 Gal	21.070 tn			$0.00	$0.00
1717	5/18/18	2279742	6970.732 Gal	28.580 tn			$0.00	$0.00
1715	5/18/18	2279815	6751.220 Gal	27.680 tn			$0.00	$0.00
1717	5/23/18	2280673	717.073 Gal	2.940 tn			$0.00	$0.00
1717	5/23/18	2280683	2239.024 Gal	9.180 tn			$0.00	$0.00
1717	5/30/18	2281770	236.585 Gal	0.970 tn			$0.00	$0.00
1717	5/30/18	2281774	3148.780 Gal	12.910 tn			$0.00	$0.00
Fred A. Cook Jr. Inc Totals			137595.124 Gal	564.140 tn			$0.00	$0.00
Tickets: 38								

Material Usage ALL SITES

From Date: 1/1/2018 to 5/31/2018
From Material: 047 to 049
From Customer: to zzzzzzzzzzzzzzz
Direction: ALL

Print Date: 6/11/2018
Print Time: 2:07PM

Truck ID	Ticket Date	Ticket Number	Unit	Net		Material	Tax	Other	Total
LEACH. - MANHOLES Totals			137595.124 Gal	564.140	tn			$0.00	$0.00
Tickets: 38									
Outgoing Totals				564.140	tn			$0.00	$0.00
Tickets: 38									
In and Outbound Combined Totals				**564.14**		**$0.00**	**$0.00**	**$0.00**	**$0.00**
				0.00					

APPENDIX C

NYSDEC INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM

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

Site Details — Box 1

Site No. 336007

Site Name Orange County Landfill

Site Address: ROUTE 17M Zip Code: 10924
City/Town: Goshen
County: Orange
Site Acreage: 75.0

Reporting Period: February 1, 2017 to May 31, 2018

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

Box2

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

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

A Corrective Measures Work Plan must be submitted along with this form to address these issues.*
*As described in Section 4.2.2 of the Periodic Review Report, seeps have been investigated through work plans approved by NYSDEC pursuant to the Order on Consent

Signature of Owner, Remedial Party or Designated Representative — Date

SITE NO. 336007 **Box3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
16-1-1.1	1. C. Dept. Environ. Facilities Services	Monitoring Plan O&M Plan

Box4

Description of Engineering Controls

Parcel	Engineering Control
16-1-1.1	Cover System Leachate Collection

Engineering Control Details for Site No. 336007

Parcel: 16-1-1.1

This is a municipal landfill that has been capped under Title 3, with leachate collection and gas collection. Periodic groundwater monitoring and inspections and reporting in accordance with the 1997 OM &M plan (and updates thereto) are required.

Box5

Periodic Review Report (PRR) Certification Statements

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

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

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

(YES) NO

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

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

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

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

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

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

(YES) NO

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 336007

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

Peter S. Hammond (print name) at 2455-2459 Route 17M, Goshen, NY 10924-0637 (print business address)

am certifying as Owner (Owner or Remedial Party)

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

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

6-25-18
Date

IC/EC CERTIFICATIONS

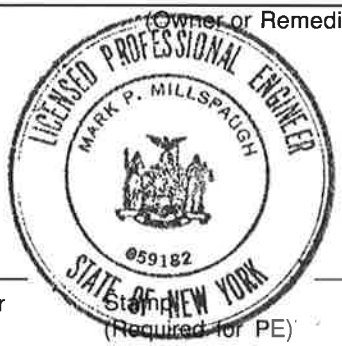
Box7

Professional Engineer Signature

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

Mark P. Millspaugh, P.E. (print name) at 24 Wade Road, Latham, NY 12110 (print business address)

am certifying as a Professional Engineer for the Orange County Department of Public Works (Owner or Remedial Party)



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

Stamp (Required for PE)

6/19/18
Date

APPENDIX D

2018 PCM SAMPLING EVENT FORMS

Low Flow Purging / Sampling Data Sheet

Project: ORANGE COUNTY LANDFILL
Well No.: MW-2335
Site: CP10-15
Date: 4/19/2018

Well Depth: 19.92
Well Diameter: 2"
Screen Length: N/A
Casing Type: PVC, STEEL STICKUP

Sampling Device: MONSOON PUMP
Static Water Level: 10.19
Other Info.: N/A
Tubing Type: PLASTIC
Measuring Point: TOP OF PVC

Sampling Personnel: STEFAN TRUEX (ST) * VEDRAN CIRKOVIC (VC)

SAMPLE TIME: 11:20AM

Time	Pump Rate (L/min.)	Depth to Water (ft.)	Drawdown (< 1m)	pH (± 0.1)	Temp. (°C) (± 3%)	SC (µS) (± 3%)	ORP (mV) (± 10)	DO (mg/L) (± 10%)	Turbidity (nTu)(± 10%)	Notes
1055	—	10.19	—	—	—	—	—	—	—	STATIC
1100	0.24	10.23	✓	6.10	6.58	0.688	118.2	8.14	10.65	START
1105	0.24	10.21	✓	6.28	6.11	0.699	99.7	2.92	8.86	
1110	0.24	10.23	✓	6.3	6.52	0.697	100.7	2.70	5.30	
1115	0.24	10.23	✓	6.3	6.62	0.711	96.1	2.41	4.05	
1120	—				SAMPLE @		1120			
1125	—			MS @ 1125						
1135	—			MSD @ 1135						

MS: 11:25
MSD: 11:35

CLEAR/GRAY

Types of Samples Collected
PART 360 BASELINE '88 REGS

Information: 2 in. = 617 ml/ft., 4 in. = 2,470 ml/ft.: $Vol_{cyl} = \pi r^2 h$

4/20/18 → NO POSITIVE PID/LEL MEASURED (MW HEADSPACE)

Low Flow Purging / Sampling Data Sheet

Project: ORANGE COUNTY LANDFILL
Well No.: MW-233D

Site: 2010-15
Date: 4/19/2018

Well Depth: 102.98
Well Diameter: 2"

Screen Length: N/A
Casing Type: 2" PVC, STEEL STICK-UP

Sampling Device: MONSOON PUMP
Static Water Level: 15.34
Other Info.: N/A

Tubing Type: PLASTIC
Measuring Point: TOP OF PVC

Sampling Personnel: ST . VC

SAMPLE TIME: 12^{30}

Time	Pump Rate (L/min.)	Depth to Water (ft.)	Drawdown (< 1m)	pH (± 0.1)	Temp. (°C) (± 3%)	SC (µS) (± 3%)	ORP (mV) (± 10)	DO (mg/L) (± 10%)	Turbidity (nTu)(± 10%)	Notes
12^{40}	—	15.34	—	—	—	—	—	—	—	STATIC
12^{40}	0.26	17.79	✓	6.5	8.12	0.984	78.3	8.72	0.41	MODOR/CLEAR
12^{45}	0.26	18.24	✓	6.8	7.84	0.990	79.3	4.96	0.18	
12^{50}	0.26	19.07	✓	6.9	7.49	0.991	78.4	3.99	0.07	
12^{55}	0.26	19.56	✓	6.9	7.55	0.990	78.6	3.05	0.14	
				SAMPLE						

Types of Samples Collected
PART 360 BASELINE REGULATIONS

4/20/18 * NO POSITIVE PID/LEL MEASURED (MW HEADSPACE)

Low Flow Purging / Sampling Data Sheet

Project: ORANGE COUNTY LANDFILL
Site: 2010-15
Well No.: PZ-4
Date: 4/19/2018

Well Depth: 54.30
Screen Length: N/A
Well Diameter: 2"
Casing Type: PVC, STEEL RISER

Sampling Device: MONSOON PUMP
Tubing Type: PLASTIC
Static Water Level: 10.69
Measuring Point: TOP OF PVC
Other Info.: N/A

Sampling Personnel: ST + VC

SAMPLE TIME: 15:10

Time	Pump Rate (L/min.)	Depth to Water (ft.)	Drawdown (< 1m)	pH (± 0.1)	Temp. (°C) (± 3%)	SC (µS) (± 3%)	ORP (mV) (± 10)	DO (mg/L) (± 10%)	Turbidity (nTu)(± 10%)	Notes
1415	—	10.69	—	—	—	—	—	—	—	STATIC
1420	0.175	10.84	✓	7.1	9.97	1.169	68.7	3.80	1.34	CLEAR, NO ODOR
1425	0.175	10.92	✓	6.6	10.10	1.172	68.0	2.70	4.21	
1430	0.175	11.14	✓	6.5	10.43	1.171	66.7	2.09	7.10	
—	—	—	—	SAMPLED	—	—	—	—	—	—

Types of Samples Collected
BASELINE PART 360 88 PARAMETERS

4/20/18 + NO POSITIVE PID/LEL MEASURED (MW HEADSPACE)

Low Flow Purging / Sampling Data Sheet

Project: ORANGE COUNTY LANDFILL
Well No.: MW-245D
Site: 2011-15
Date: 4/20/2017

Well Depth: 80.55
Well Diameter: 2"
Screen Length: N/A
Casing Type: PVC, STEEL STICK UP

Sampling Device: MONSOON PUMP (2" STAINLESS SUBMERSIBLE)
Static Water Level: 28.35
Other Info.: N/A
Tubing Type: 1/2 O.D. PLASTIC
Measuring Point: TOP OF PVC

Sampling Personnel: ST + VC

1250 SAMPLE

Time	Pump Rate (L/min.)	Depth to Water (ft.)	Drawdown (< 1m)	pH (± 0.1)	Temp. (°C) (± 3%)	SC (µS) (± 3%)	ORP (mV) (± 10)	DO (mg/L) (± 10%)	Turbidity (nTu)(± 10%)	Notes
1225	—	28.35	—	—	—	—	—	—	—	STATIC
1230	0.250	33.33	—	7.0	8.94	0.856	-21.4	1.06	19.5	CLEAR
1235	0.250	34.29	—	6.6	8.74	0.858	-42.5	0.62	3.88	SLIGHT SULPHUR ODOR
1240	0.250	34.75	—	6.6	8.70	0.856	-46.9	0.61	2.58	
1245	0.200	35.01	—	6.6	8.72	0.856	-48.4	0.63	1.98	
—	—	—	—	—	SAMPLED	—	—	—	—	—

Types of Samples Collected
PART 360 BASELINE '88 PARAMETERS

Information: 2 in. = 617 ml/ft., 4 in. = 2,470 ml/ft.: $Vol_{cyl} = \pi r^2 h$

* NO ~~PID~~ MEASD POSITIVE PID/FID RESPONSE (MW HEADSPACE)

Low Flow Purging / Sampling Data Sheet

Project: ORANGE COUNTY LANDFILL
Well No.: MW-245S

Site: 2010-15
Date: 4/20/18

Well Depth: 47.01
Well Diameter: 2"

Screen Length: N/A
Casing Type: PVC, STEEL STICK UP

Sampling Device: MONSOON PUMP
Static Water Level: 26.94
Other Info.: N/A

Tubing Type: ½" O.D. PLASTIC TUBING
Measuring Point: TOP OF PVC

Sampling Personnel: ST + VC

SAMPLED @ 1145 AM

Time	Pump Rate (L/min.)	Depth to Water (ft.)	Drawdown (< 1m)	pH (± 0.1)	Temp. (°C) (± 3%)	SC (µS) (± 3%)	ORP (mV) (± 10)	DO (mg/L) (± 10%)	Turbidity (nTu)(± 10%)	Notes
1120	—	26.94	—	—	—	—	—	—	—	STATIC
1130	0.240	26.95	✓	6.7	8.82	1,011	-37.7	7.00	16.6	TAN, CLEAR
1135	0.240	26.95	✓	6.3	9.23	1,135	-34.8	3.53	48.4	NO ODOR
1140	0.240	26.96	✓	6.2	9.50	1160	-32.8	2.93	48.7	
1145	0.240	26.96	✓	6.2	9.54	1,172	-29.5	2.43	48.2	
				SAMPLED						

Types of Samples Collected
PART 360 BASELINE 88 PARAMETERS

*NO POSITIVE PID/LEL OBSERVED/RECORDED

Low Flow Purging / Sampling Data Sheet

Project: ORANGE COUNTY LANDFILL
Site: 2010-15
Well No.: MW-33
Date: 4/20/18

Well Depth: 52.80
Screen Length: N/A
Well Diameter: 2"
Casing Type: PVC

Sampling Device: MONSOON PUMP*
Tubing Type: PLASTIC
Static Water Level: 22.56
Measuring Point: TOP OF PVC
Other Info.: *STAINLESS SUBMERSIBLE SAMPLING PUMP

SAMPLED @ 835

Sampling Personnel: ST + VC

Time	Pump Rate (L/min.)	Depth to Water (ft.)	Drawdown (< 1m)	pH (± 0.1)	Temp. (°C) (± 3%)	SC (µS) (± 3%)	ORP (mV) (± 10)	DO (mg/L) (± 10%)	Turbidity (nTu)(± 10%)	Notes
815	—	22.56	—	—	—	—	—	—	—	STATIC
820	0.150	22.63	✓	7.2	10.01	1.219	-1.5	5.34	2.02	Clear, No Odor
825	0.150	22.63	✓	6.4	10.37	1.252	-9.5	4.05	0.83	
830	0.150	22.63	✓	6.2	10.13	1.298	-10.4	3.23	0.46	
835	0.150	22.63	✓	6.2	10.06	1.304	-15.8	2.40	0.31	
				— SAMPLED						

Types of Samples Collected
PART 360 BASELINE 88 PARAMETERS

Information: 2 in. = 617 ml/ft., 4 in. = 2,470 ml/ft.: $Vol_{cyl} = \pi r^2 h$

* NO POSITEVE PID/LEL RESPONSE RECORDED

Low Flow Purging / Sampling Data Sheet

Project: ORANGE COUNTY LANDFILL
Well No.: MW-220
Site: 2010-15
Date: 4/20/18

Well Depth: 30.04
Well Diameter: 2"
Screen Length: N/A
Casing Type: PVC, STEEL STICK-UP

Sampling Device: MONSOON PUMP
Static Water Level: 14.36
Other Info.: N/A
Tubing Type: PLASTIC
Measuring Point: TOP OF PVC

Sampling Personnel: ST + VC

10⁰⁰ SAMPLE TIME
* DUPLICATE SAMPLE COLLECTED (DUP04202018)

Time	Pump Rate (L/min.)	Depth to Water (ft.)	Drawdown (< 1m)	pH (± 0.1)	Temp. (°C) (± 3%)	SC (µS) (± 3%)	ORP (mV) (± 10)	DO (mg/L) (± 10%)	Turbidity (nTu)(± 10%)	Notes
940	—	14.36	—	—	—	—	—	—	—	STATIC
945	0.160	14.83	✓	7.1	8.57	1210	2.2	4.04	145.3	BROWN/TURBID/EARTHY ODOR
950	0.160	14.84	✓	6.4	8.24	1,180	8.4	2.02	1,175	
955	0.160	14.84	✓	6.2	7.76	1.149	15.4	1.17	1,122	
10⁰⁰	0.160	14.85	✓	6.2	7.88	1.124	16.3	1.05	115	
10⁰⁵	0.160	14.85	✓	6.1	8.76	1.110	14.3	0.68	92.4	
10¹⁰	0.160	14.86	✓	6.1	9.27	1.114	12.4	0.69	68.8	
10¹⁵	0.160	14.86	✓	6.1	9.44	1,110	11.6	0.71	49.0	
10²⁰	0.160	14.87	✓	6.1	9.63	1.111	11.4	0.71	45.7	
				SAMPLED						

Types of Samples Collected
PART 360 ~~EASTERN~~ 88 PARAMETERS

* NO POSITIVE PID/FID RESPONSE RECORDED

SURFACE WATER DATA FORM

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Project Name: ORANGE COUNTY LANDFILL
Project No. 2010-15
Date: APRIL 19 + 20, 2018
Field Personnel: STEFAN TRUEX / NEORAN CIRKOVIC
Measuring Devices: YSI 556 MULTIPARAMETER PROBE
LAMOTTE 2020e TURBIDITY METER
PHEP HANNA INSTRUMENTS pH PROBE

Location	Date	Time	Temp (°F)	Spec. Cond. (mS)	pH	ORP (mV)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)
SW-5	4/19/18	15^{15}	5.71	0.404	6.9	57.8	5.98	2.97
SW-13	4/19/18	15^{25}	5.71	0.403	7.0	75.4	4.94	2.62
SW-8	4/20/18	8^{50}	4.75	0.421	7.0	19.3	5.39	3.03
MH-7	4/20/18	13^{45}	8.69	8.639	6.2	-2.5	35.8	~~19.3~~ 2.58
MH-15	4/20/18	14^{30}	6.74	1.514	6.9	-4.9	6.11	1.88

REMARKS:
N/A (SEE SAMPLING LOGS FOR GW MEASUREMENTS)

ALPHA ANALYTICAL — NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab:

ALPHA Job #:

Project Information

Project Name: ORANGE COUNTY LANDFILL
Project Location: NEW HAMPTON NEW YORK
Project # 2010-15
(Use Project name as Project #) ☐
Project Manager: CANDACE FOX
ALPHAQuote #: N/A

Client Information

Client: STERLING ENVIRONMENTAL
Address: 24 WADE ROAD
LATHAM NEW YORK
Phone: 518-456-4900
Fax: SEE BELOW
Email: SEE BELOW

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other N/A

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other PART 360 BASELINE 88 PARAMETERS
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
MARK WILLIAMS @ STERLINGENVIRONMENTAL.COM
STAN TRUSKE @ STERLINGENVIRONMENTAL.COM

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TDS	T-PHENOL	WET CHEMISTRY BOD, TDS, SO4, Br, CANDL, COLOR, HEX	TOTAL METALS (88)	NH3, TKN, COD	ALKALINITY	TOC/VOCS (BASELINE 88)	DISSOLVED METALS	Sample Specific Comments	Total Bottles
	MW-3B	4/20/18	8:35 AM	GW	ST	X	X	X	X	X	X	X	X		14
	SW-8	4/20/18	8:50 AM	SW	ST	X	X	X	X	X	X	X			13
	MW-22D	4/20/18	10:00 AM	GW	ST	X	X	X	X	X	X	X	X		14
	MW-245S	4/20/18	11:45 AM	GW	ST	X	X	X	X	X	X	X	X		14
	MW-245D	4/20/18	12:50 PM	GW	ST	X	X	X	X	X	X	X	X		14
	MH-7	4/20/18	1345	WATER	ST	X	X	X	X	X	X	X			13
	MH-15	4/20/18	1430	WATER	ST	X	X	X	X	X	X	X			13
	DUP042018	4/20/18		WATER	ST	X	X	X	X	X	X	X	X		14
	TB042018	4/20/18		WATER										VOCs ONLY (BASELINE 88)	2

	TDS	T-PHENOL	WET CHEMISTRY	TOTAL METALS	NH3, TKN, COD	ALKALINITY	TOC/VOCS	DISSOLVED METALS
Container Type	V	A	P	P	P	P	V	P
Preservative	D	D	A	C	D	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/20/18 1800	[signature]	4/20/18 1800

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab

ALPHA Job #

Client Information

Client: STERLING ENVIRONMENTAL
Address: 24 WADE ROAD
LATHAM NEW YORK
Phone: 518-456-4900
Fax: N/A
Email: SEE BELOW

Project Information

Project Name: ORANGE COUNTY LANDFILL
Project Location: NEW HAMPTON NEW YORK
Project # 2010-15
(Use Project name as Project #) ☐
Project Manager: CANDACE FOX
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other PART 360
☐ NY Unrestricted Use BASELINE 88 PARAMETERS
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
STEFAN.TRUEX @ STERLINGENVIRONMENTAL.COM
MARK.WILLIAMS @ STERLINGENVIRONMENTAL.COM

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	T-PHENOL	WET CHEMISTRY 300, TDS, 354 ...	T-AL METALS	NH3, TKN, COD	ALKALINITY	TOC, NOC (BASE 88)	DISSOLVED METALS	Sample Specific Comments	Total Bottles
	MW-233S	4/19/18	11:20 AM	GW	ST	X	X	X	X	X	X	X	X		14
	MW-233S MS	4/19/18	11:25 AM	GW	ST	X	X	X	X	X	X	X	X		14
	MW-233S MSD	4/19/18	11:35 AM	GW	ST	X	X	X	X	X	X	X	X		14
	MW-233D	4/19/18	12:30 pm	GW	ST	X	X	X	X	X	X	X	X		14
	PZ-4	4/19/18	1510	GW	ST	X	X	X	X	X	X	X	X		14
	SW-5	4/19/18	1515	SW	ST	X	X	X	X	X	X	X			13
	SW-13	4/19/18	1525	SW	ST	X	X	X	X	X	X	X			13
	TB041918													TRIP BLANK VOCs ONLY	2

	VOC	T-PHENOL	WET CHEMISTRY	T-AL METALS	NH3, TKN, COD	ALKALINITY	TOC, NOC	DISSOLVED METALS
Container Type	V	A	P	P	P	P	V	P
Preservative	D	D	A	C	D	A	A	A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/19/18 1610	Gary Lillo AAL	4/19/18 1610

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX E

ANALYTICAL REPORT

ANALYTICAL REPORT

Lab Number:	L1813841
Client:	Sterling Environmental Eng 24 Wade Road Latham, NY 12110
ATTN:	Mark Williams
Phone:	(518) 456-4900
Project Name:	ORANGE COUNTY LANDFILL
Project Number:	2010-15
Report Date:	04/26/18

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1813841-01	MW-233S	WATER	NEW HAMPTON, NEW YORK	04/19/18 11:20	04/19/18
L1813841-02	MW-233D	WATER	NEW HAMPTON, NEW YORK	04/19/18 12:30	04/19/18
L1813841-03	PZ-4	WATER	NEW HAMPTON, NEW YORK	04/19/18 15:10	04/19/18
L1813841-04	SW-5	WATER	NEW HAMPTON, NEW YORK	04/19/18 15:15	04/19/18
L1813841-05	SW-13	WATER	NEW HAMPTON, NEW YORK	04/19/18 15:25	04/19/18
L1813841-06	TB041918	WATER	NEW HAMPTON, NEW YORK	04/19/18 00:00	04/19/18
L1813841-07	MW-3B	WATER	NEW HAMPTON, NEW YORK	04/20/18 08:35	04/20/18
L1813841-08	SW-8	WATER	NEW HAMPTON, NEW YORK	04/20/18 08:50	04/20/18
L1813841-09	MW-220	WATER	NEW HAMPTON, NEW YORK	04/20/18 10:00	04/20/18
L1813841-10	MW-245S	WATER	NEW HAMPTON, NEW YORK	04/20/18 11:45	04/20/18
L1813841-11	MW-245D	WATER	NEW HAMPTON, NEW YORK	04/20/18 12:50	04/20/18
L1813841-12	MH-7	WATER	NEW HAMPTON, NEW YORK	04/20/18 13:45	04/20/18
L1813841-13	MH-15	WATER	NEW HAMPTON, NEW YORK	04/20/18 14:30	04/20/18
L1813841-14	DUP042018	WATER	NEW HAMPTON, NEW YORK	04/20/18 00:00	04/20/18
L1813841-15	TB042018	WATER	NEW HAMPTON, NEW YORK	04/20/18 00:00	04/20/18

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841
Project Number: 2010-15 **Report Date:** 04/26/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	ORANGE COUNTY LANDFILL	**Lab Number:**	L1813841
Project Number:	2010-15	**Report Date:**	04/26/18

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L1813841-12: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO3 to a pH <2.

L1813841-15: A sample identified as "TB042018" was listed on the Chain of Custody, but not received. This was verified by the client.

Volatile Organics

L1813841-06: The pH of the sample was less than two. It should be noted that 2-chloroethylvinyl ether breaks down under acidic conditions.

Total Metals

The WG1108885-4 MSD recovery for calcium (140%), performed on L1813841-01, does not apply because the sample concentration is greater than four times the spike amount added.

The WG1109155-3 MS recoveries for calcium (40%) and hardness (68%), performed on L1813841-07, do not apply because the sample concentrations are greater than four times the spike amounts added.

Nitrogen, Total Kjeldahl

L1813841-01: The sample has an elevated detection limit due to the dilution required by the sample matrix.

The WG1108604-4 MS recovery (75%), performed on L1813841-01, is outside the acceptance criteria; however, the associated LCS recovery is within criteria. No further action was taken.

Total Organic Carbon

L1813841-02: The sample has an elevated detection limit due to the dilution required by the sample matrix.

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841
Project Number: 2010-15 **Report Date:** 04/26/18

Case Narrative (continued)

Color, Apparent

L1813841-03: The sample has an elevated detection limit due to the dilution required by the sample matrix.

Nitrogen, Nitrate

L1813841-07 through -14: The sample was analyzed for Nitrite within the method required holding time. An aliquot of sample was then preserved and analyzed for Nitrate.

The WG1108455-4 MS recovery (75%), performed on L1813841-01, is outside the acceptance criteria; however, the associated LCS recovery is within criteria. No further action was taken.

Alkalinity, Total

The WG1108257-4 MS recovery (67%), performed on L1813841-01, is outside the acceptance criteria; however, the associated LCS recovery is within criteria. No further action was taken.

Anions by Ion Chromatography

The WG1108754-3/-4 MS/MSD recoveries, performed on L1813841-01, are outside the acceptance criteria for bromide (67%/71%); however, the associated LCS recovery is within criteria. No further action was taken.

The WG1108755-3 MS recoveries, performed on L1813841-12, are outside the acceptance criteria for bromide (87%) and chloride (118%); however, the associated LCS recovery is within criteria. No further action was taken.

The WG1109023-3 MS recovery, performed on L1813841-13, is outside the acceptance criteria for bromide (89%); however, the associated LCS recovery is within criteria. No further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 04/26/18

ORGANICS

VOLATILES

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-01 Date Collected: 04/19/18 11:20
Client ID: MW-233S Date Received: 04/19/18
Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/23/18 21:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-01 Date Collected: 04/19/18 11:20

Client ID: MW-233S Date Received: 04/19/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	112		70-130

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-02 Date Collected: 04/19/18 12:30
Client ID: MW-233D Date Received: 04/19/18
Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/23/18 21:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-02 Date Collected: 04/19/18 12:30

Client ID: MW-233D Date Received: 04/19/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	112		70-130

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-03 Date Collected: 04/19/18 15:10
Client ID: PZ-4 Date Received: 04/19/18
Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/23/18 22:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-03 Date Collected: 04/19/18 15:10

Client ID: PZ-4 Date Received: 04/19/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	114		70-130

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-04 Date Collected: 04/19/18 15:15
Client ID: SW-5 Date Received: 04/19/18
Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/23/18 22:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-04 Date Collected: 04/19/18 15:15

Client ID: SW-5 Date Received: 04/19/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	115		70-130

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-05 Date Collected: 04/19/18 15:25
Client ID: SW-13 Date Received: 04/19/18
Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/23/18 23:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-05 Date Collected: 04/19/18 15:25

Client ID: SW-13 Date Received: 04/19/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	114		70-130

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-06 Date Collected: 04/19/18 00:00
Client ID: TB041918 Date Received: 04/19/18
Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/23/18 20:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-06 Date Collected: 04/19/18 00:00

Client ID: TB041918 Date Received: 04/19/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	113		70-130

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-07 Date Collected: 04/20/18 08:35
Client ID: MW-3B Date Received: 04/20/18
Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/23/18 23:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-07 Date Collected: 04/20/18 08:35

Client ID: MW-3B Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	114		70-130

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-08 Date Collected: 04/20/18 08:50
Client ID: SW-8 Date Received: 04/20/18
Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/24/18 00:15
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-08 Date Collected: 04/20/18 08:50

Client ID: SW-8 Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	113		70-130

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-09 Date Collected: 04/20/18 10:00
Client ID: MW-220 Date Received: 04/20/18
Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/24/18 00:43
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-09 Date Collected: 04/20/18 10:00

Client ID: MW-220 Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	114		70-130

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-10 Date Collected: 04/20/18 11:45
Client ID: MW-245S Date Received: 04/20/18
Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/24/18 01:11
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-10 Date Collected: 04/20/18 11:45

Client ID: MW-245S Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	113		70-130

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-11 Date Collected: 04/20/18 12:50
Client ID: MW-245D Date Received: 04/20/18
Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/24/18 01:39
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-11 Date Collected: 04/20/18 12:50

Client ID: MW-245D Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	116		70-130

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-12 Date Collected: 04/20/18 13:45
Client ID: MH-7 Date Received: 04/20/18
Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/24/18 02:07
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	21		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
Benzene	11		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	11		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	1.5	J	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-12 Date Collected: 04/20/18 13:45

Client ID: MH-7 Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	3.3		ug/l	2.5	0.70	1
p/m-Xylene	6.0		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	110		70-130

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-13 Date Collected: 04/20/18 14:30
Client ID: MH-15 Date Received: 04/20/18
Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/24/18 02:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
Benzene	0.29	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	3.5		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-13 Date Collected: 04/20/18 14:30

Client ID: MH-15 Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	1.5	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	111		70-130

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-14
Client ID: DUP042018
Sample Location: NEW HAMPTON, NEW YORK

Date Collected: 04/20/18 00:00
Date Received: 04/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/24/18 03:02
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-14 Date Collected: 04/20/18 00:00

Client ID: DUP042018 Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	112		70-130

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/23/18 20:31
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG1109302-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/23/18 20:31
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG1109302-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG1109302-3 WG1109302-4								
Methylene chloride	84		82		70-130	2		20
1,1-Dichloroethane	87		85		70-130	2		20
Chloroform	90		88		70-130	2		20
2-Chloroethylvinyl ether	**66**	Q	**66**	Q	70-130	0		20
Carbon tetrachloride	90		86		63-132	5		20
1,2-Dichloropropane	84		82		70-130	2		20
Dibromochloromethane	95		94		63-130	1		20
1,1,2-Trichloroethane	100		99		70-130	1		20
Tetrachloroethene	90		90		70-130	0		20
Chlorobenzene	92		92		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	91		90		70-130	1		20
1,1,1-Trichloroethane	90		87		67-130	3		20
Bromodichloromethane	88		87		67-130	1		20
trans-1,3-Dichloropropene	92		92		70-130	0		20
cis-1,3-Dichloropropene	82		81		70-130	1		20
Bromoform	95		94		54-136	1		20
Benzene	87		84		70-130	4		20
Toluene	94		92		70-130	2		20
Ethylbenzene	93		92		70-130	1		20
Chloromethane	81		78		64-130	4		20
Bromomethane	75		78		39-139	4		20
Vinyl chloride	88		86		55-140	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG1109302-3 WG1109302-4								
Chloroethane	130		130		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	86		81		70-130	6		20
Trichloroethene	87		86		70-130	1		20
1,2-Dichlorobenzene	91		92		70-130	1		20
1,3-Dichlorobenzene	93		92		70-130	1		20
1,4-Dichlorobenzene	91		91		70-130	0		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	90		90		70-130	0		20
Dichlorodifluoromethane	94		90		36-147	4		20
1,1,1,2-Tetrachloroethane	97		97		64-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		110		70-130
Toluene-d8	111		112		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	106		106		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG1109302-6 WG1109302-7 QC Sample: L1813841-01 Client ID: MW-233S												
Methylene chloride	ND	10	8.4	84		8.3	83		70-130	1		20
1,1-Dichloroethane	ND	10	9.2	92		9.1	91		70-130	1		20
Chloroform	ND	10	9.8	98		9.8	98		70-130	0		20
2-Chloroethylvinyl ether	ND	10	7.0J	70		7.2J	72		70-130	3		20
Carbon tetrachloride	ND	10	9.3	93		9.6	96		63-132	3		20
1,2-Dichloropropane	ND	10	9.2	92		9.3	93		70-130	1		20
Dibromochloromethane	ND	10	10	100		10	100		63-130	0		20
1,1,2-Trichloroethane	ND	10	11	110		11	110		70-130	0		20
Tetrachloroethene	ND	10	9.8	98		10	100		70-130	2		20
Chlorobenzene	ND	10	10	100		10	100		75-130	0		20
Trichlorofluoromethane	ND	10	8.4	84		8.6	86		62-150	2		20
1,2-Dichloroethane	ND	10	9.4	94		9.5	95		70-130	1		20
1,1,1-Trichloroethane	ND	10	9.5	95		9.7	97		67-130	2		20
Bromodichloromethane	ND	10	9.4	94		9.5	95		67-130	1		20
trans-1,3-Dichloropropene	ND	10	9.7	97		9.8	98		70-130	1		20
cis-1,3-Dichloropropene	ND	10	8.8	88		9.0	90		70-130	2		20
Bromoform	ND	10	10	100		10	100		54-136	0		20
Benzene	ND	10	9.2	92		9.3	93		70-130	1		20
Toluene	ND	10	10	100		10	100		70-130	0		20
Ethylbenzene	ND	10	10	100		10	100		70-130	0		20
Chloromethane	ND	10	4.7	**47**	Q	4.5	**45**	Q	64-130	4		20
Bromomethane	ND	10	5.6	56		5.7	57		39-139	2		20
Vinyl chloride	ND	10	5.9	59		5.9	59		55-140	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL

Project Number: 2010-15

Lab Number: L1813841

Report Date: 04/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG1109302-6 WG1109302-7 QC Sample: L1813841-01 Client ID: MW-233S												
Chloroethane	ND	10	9.5	95		9.6	96		55-138	1		20
1,1-Dichloroethene	ND	10	8.9	89		9.1	91		61-145	2		20
trans-1,2-Dichloroethene	ND	10	8.5	85		8.6	86		70-130	1		20
Trichloroethene	ND	10	9.4	94		9.6	96		70-130	2		20
1,2-Dichlorobenzene	ND	10	9.6	96		10	100		70-130	4		20
1,3-Dichlorobenzene	ND	10	9.6	96		10	100		70-130	4		20
1,4-Dichlorobenzene	ND	10	9.6	96		10	100		70-130	4		20
p/m-Xylene	ND	20	20	100		20	100		70-130	0		20
o-Xylene	ND	20	19	95		20	100		70-130	5		20
Dichlorodifluoromethane	ND	10	4.2J	42		4.4J	44		36-147	5		20
1,1,1,2-Tetrachloroethane	ND	10	10	100		10	100		64-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		106		70-130
4-Bromofluorobenzene	94		96		70-130
Dibromofluoromethane	104		103		70-130
Toluene-d8	111		111		70-130

METALS

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-01 Date Collected: 04/19/18 11:20

Client ID: MW-233S Date Received: 04/19/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00582	J	mg/l	0.0100	0.00327	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Antimony, Total	0.00065	J	mg/l	0.00400	0.00042	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00049	J	mg/l	0.00050	0.00016	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Barium, Total	0.04709		mg/l	0.00050	0.00017	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Boron, Total	0.015	J	mg/l	0.030	0.002	1	04/20/18 14:20	04/23/18 21:18	EPA 3005A	1,6010C	LC
Cadmium, Total	0.00006	J	mg/l	0.00020	0.00005	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Calcium, Total	113		mg/l	0.100	0.035	1	04/20/18 14:20	04/23/18 21:18	EPA 3005A	1,6010C	LC
Chromium, Total	0.00046	J	mg/l	0.00100	0.00017	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Copper, Total	0.00157		mg/l	0.00100	0.00038	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Iron, Total	0.0384	J	mg/l	0.0500	0.0191	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Magnesium, Total	30.9		mg/l	0.100	0.015	1	04/20/18 14:20	04/23/18 21:18	EPA 3005A	1,6010C	LC
Manganese, Total	0.3138		mg/l	0.00100	0.00044	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/23/18 15:22	04/24/18 19:27	EPA 7470A	1,7470A	EA
Nickel, Total	0.00125	J	mg/l	0.00200	0.00055	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Potassium, Total	1.80		mg/l	0.100	0.0309	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Selenium, Total	0.0283		mg/l	0.00500	0.00173	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Sodium, Total	1.46		mg/l	0.100	0.0293	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/20/18 14:20	04/24/18 13:32	EPA 3005A	1,6020A	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	409		mg/l	0.660	NA	1	04/20/18 14:20	04/23/18 21:18	EPA 3005A	1,6010C	LC

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-01 Date Collected: 04/19/18 11:20

Client ID: MW-233S Date Received: 04/19/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Antimony, Dissolved	0.00046	J	mg/l	0.00400	0.00042	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00049	J	mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Barium, Dissolved	0.04748		mg/l	0.00050	0.00017	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Calcium, Dissolved	126.		mg/l	0.100	0.0394	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Chromium, Dissolved	0.00018	J	mg/l	0.00100	0.00017	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Copper, Dissolved	0.00060	J	mg/l	0.00100	0.00038	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Magnesium, Dissolved	32.9		mg/l	0.0700	0.0242	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.00108		mg/l	0.00100	0.00044	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	04/24/18 12:13	04/24/18 22:13	EPA 7470A	1,7470A	EA
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Potassium, Dissolved	1.72		mg/l	0.100	0.0309	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Selenium, Dissolved	0.0213		mg/l	0.00500	0.00173	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Sodium, Dissolved	1.51		mg/l	0.100	0.0293	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	04/24/18 08:30	04/24/18 14:04	EPA 3005A	1,6020A	AM

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-02 Date Collected: 04/19/18 12:30

Client ID: MW-233D Date Received: 04/19/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0132		mg/l	0.0100	0.00327	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Antimony, Total	0.00088	J	mg/l	0.00400	0.00042	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00070		mg/l	0.00050	0.00016	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Barium, Total	0.03612		mg/l	0.00050	0.00017	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Boron, Total	0.103		mg/l	0.030	0.002	1	04/20/18 14:20	04/23/18 21:57	EPA 3005A	1,6010C	LC
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Calcium, Total	50.0		mg/l	0.100	0.035	1	04/20/18 14:20	04/23/18 21:57	EPA 3005A	1,6010C	LC
Chromium, Total	0.00037	J	mg/l	0.00100	0.00017	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Copper, Total	0.00077	J	mg/l	0.00100	0.00038	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Iron, Total	0.0633		mg/l	0.0500	0.0191	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Lead, Total	0.00115		mg/l	0.00100	0.00034	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Magnesium, Total	21.0		mg/l	0.100	0.015	1	04/20/18 14:20	04/23/18 21:57	EPA 3005A	1,6010C	LC
Manganese, Total	0.01864		mg/l	0.00100	0.00044	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/23/18 15:22	04/24/18 19:49	EPA 7470A	1,7470A	EA
Nickel, Total	0.00074	J	mg/l	0.00200	0.00055	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Potassium, Total	1.80		mg/l	0.100	0.0309	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Sodium, Total	105.		mg/l	0.100	0.0293	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Zinc, Total	0.00682	J	mg/l	0.01000	0.00341	1	04/20/18 14:20	04/24/18 14:35	EPA 3005A	1,6020A	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	211		mg/l	0.660	NA	1	04/20/18 14:20	04/23/18 21:57	EPA 3005A	1,6010C	LC

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-02 Date Collected: 04/19/18 12:30

Client ID: MW-233D Date Received: 04/19/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Antimony, Dissolved	0.00305	J	mg/l	0.00400	0.00042	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00068		mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Barium, Dissolved	0.03488		mg/l	0.00050	0.00017	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Calcium, Dissolved	47.9		mg/l	0.100	0.0394	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Magnesium, Dissolved	18.4		mg/l	0.0700	0.0242	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	04/24/18 12:13	04/24/18 22:18	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00057	J	mg/l	0.00200	0.00055	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Potassium, Dissolved	1.68		mg/l	0.100	0.0309	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Sodium, Dissolved	87.8		mg/l	0.100	0.0293	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Thallium, Dissolved	0.00014	J	mg/l	0.00050	0.00014	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM
Zinc, Dissolved	0.00435	J	mg/l	0.01000	0.00341	1	04/24/18 08:30	04/24/18 14:41	EPA 3005A	1,6020A	AM

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-03 Date Collected: 04/19/18 15:10

Client ID: PZ-4 Date Received: 04/19/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2.58		mg/l	0.0100	0.00327	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Antimony, Total	0.00046	J	mg/l	0.00400	0.00042	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Arsenic, Total	0.02240		mg/l	0.00050	0.00016	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Barium, Total	0.07926		mg/l	0.00050	0.00017	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00021	J	mg/l	0.00050	0.00010	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Boron, Total	0.118		mg/l	0.030	0.002	1	04/20/18 14:20	04/23/18 22:01	EPA 3005A	1,6010C	LC
Cadmium, Total	0.00010	J	mg/l	0.00020	0.00005	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Calcium, Total	198		mg/l	0.100	0.035	1	04/20/18 14:20	04/23/18 22:01	EPA 3005A	1,6010C	LC
Chromium, Total	0.00399		mg/l	0.00100	0.00017	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00315		mg/l	0.00050	0.00016	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Copper, Total	0.01344		mg/l	0.00100	0.00038	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Iron, Total	7.02		mg/l	0.0500	0.0191	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Lead, Total	0.00916		mg/l	0.00100	0.00034	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Magnesium, Total	49.3		mg/l	0.100	0.015	1	04/20/18 14:20	04/23/18 22:01	EPA 3005A	1,6010C	LC
Manganese, Total	1.251		mg/l	0.00100	0.00044	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/23/18 15:22	04/24/18 19:50	EPA 7470A	1,7470A	EA
Nickel, Total	0.00987		mg/l	0.00200	0.00055	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Potassium, Total	3.86		mg/l	0.100	0.0309	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Sodium, Total	22.8		mg/l	0.100	0.0293	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Vanadium, Total	0.00453	J	mg/l	0.00500	0.00157	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Zinc, Total	0.02738		mg/l	0.01000	0.00341	1	04/20/18 14:20	04/24/18 14:40	EPA 3005A	1,6020A	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	696		mg/l	0.660	NA	1	04/20/18 14:20	04/23/18 22:01	EPA 3005A	1,6010C	LC

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-03 Date Collected: 04/19/18 15:10

Client ID: PZ-4 Date Received: 04/19/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Antimony, Dissolved	0.00129	J	mg/l	0.00400	0.00042	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00273		mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Barium, Dissolved	0.06743		mg/l	0.00050	0.00017	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Cadmium, Dissolved	0.00009	J	mg/l	0.00020	0.00005	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Calcium, Dissolved	182.		mg/l	0.100	0.0394	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Chromium, Dissolved	0.00019	J	mg/l	0.00100	0.00017	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Cobalt, Dissolved	0.00056		mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Copper, Dissolved	0.00186		mg/l	0.00100	0.00038	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Iron, Dissolved	0.0232	J	mg/l	0.0500	0.0191	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Magnesium, Dissolved	43.2		mg/l	0.0700	0.0242	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.8074		mg/l	0.00100	0.00044	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	04/24/18 12:13	04/24/18 22:20	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00461		mg/l	0.00200	0.00055	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Potassium, Dissolved	2.87		mg/l	0.100	0.0309	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Sodium, Dissolved	20.6		mg/l	0.100	0.0293	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	04/24/18 08:30	04/24/18 14:44	EPA 3005A	1,6020A	AM

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-04 Date Collected: 04/19/18 15:15

Client ID: SW-5 Date Received: 04/19/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.532		mg/l	0.0100	0.00327	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00096		mg/l	0.00050	0.00016	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Barium, Total	0.01744		mg/l	0.00050	0.00017	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Boron, Total	0.015	J	mg/l	0.030	0.002	1	04/20/18 14:20	04/23/18 22:05	EPA 3005A	1,6010C	LC
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Calcium, Total	28.3		mg/l	0.100	0.035	1	04/20/18 14:20	04/23/18 22:05	EPA 3005A	1,6010C	LC
Chromium, Total	0.00093	J	mg/l	0.00100	0.00017	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00062		mg/l	0.00050	0.00016	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Copper, Total	0.00298		mg/l	0.00100	0.00038	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Iron, Total	1.05		mg/l	0.0500	0.0191	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Lead, Total	0.00110		mg/l	0.00100	0.00034	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Magnesium, Total	9.08		mg/l	0.100	0.015	1	04/20/18 14:20	04/23/18 22:05	EPA 3005A	1,6010C	LC
Manganese, Total	0.06991		mg/l	0.00100	0.00044	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/23/18 15:22	04/24/18 19:52	EPA 7470A	1,7470A	EA
Nickel, Total	0.00178	J	mg/l	0.00200	0.00055	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Potassium, Total	1.54		mg/l	0.100	0.0309	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Sodium, Total	30.7		mg/l	0.100	0.0293	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Zinc, Total	0.01166		mg/l	0.01000	0.00341	1	04/20/18 14:20	04/24/18 14:44	EPA 3005A	1,6020A	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	108		mg/l	0.660	NA	1	04/20/18 14:20	04/23/18 22:05	EPA 3005A	1,6010C	LC

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-05 Date Collected: 04/19/18 15:25

Client ID: SW-13 Date Received: 04/19/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.334		mg/l	0.0100	0.00327	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Antimony, Total	0.00061	J	mg/l	0.00400	0.00042	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00089		mg/l	0.00050	0.00016	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Barium, Total	0.01540		mg/l	0.00050	0.00017	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Boron, Total	0.015	J	mg/l	0.030	0.002	1	04/20/18 14:20	04/23/18 22:09	EPA 3005A	1,6010C	LC
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Calcium, Total	27.8		mg/l	0.100	0.035	1	04/20/18 14:20	04/23/18 22:09	EPA 3005A	1,6010C	LC
Chromium, Total	0.00069	J	mg/l	0.00100	0.00017	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00045	J	mg/l	0.00050	0.00016	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Copper, Total	0.00243		mg/l	0.00100	0.00038	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Iron, Total	0.710		mg/l	0.0500	0.0191	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Lead, Total	0.00082	J	mg/l	0.00100	0.00034	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Magnesium, Total	8.82		mg/l	0.100	0.015	1	04/20/18 14:20	04/23/18 22:09	EPA 3005A	1,6010C	LC
Manganese, Total	0.05663		mg/l	0.00100	0.00044	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/23/18 15:22	04/24/18 19:54	EPA 7470A	1,7470A	EA
Nickel, Total	0.00124	J	mg/l	0.00200	0.00055	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Potassium, Total	1.39		mg/l	0.100	0.0309	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Sodium, Total	29.8		mg/l	0.100	0.0293	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Zinc, Total	0.00886	J	mg/l	0.01000	0.00341	1	04/20/18 14:20	04/24/18 15:02	EPA 3005A	1,6020A	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	106		mg/l	0.660	NA	1	04/20/18 14:20	04/23/18 22:09	EPA 3005A	1,6010C	LC

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-07 Date Collected: 04/20/18 08:35

Client ID: MW-3B Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0155		mg/l	0.0100	0.00327	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Antimony, Total	0.00049	J	mg/l	0.00400	0.00042	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Arsenic, Total	0.04925		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Barium, Total	0.2187		mg/l	0.00050	0.00017	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Boron, Total	0.247		mg/l	0.030	0.002	1	04/23/18 10:45	04/24/18 23:31	EPA 3005A	1,6010C	AB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Calcium, Total	160		mg/l	0.100	0.035	1	04/23/18 10:45	04/24/18 23:31	EPA 3005A	1,6010C	AB
Chromium, Total	0.00032	J	mg/l	0.00100	0.00017	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00054		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Copper, Total	0.00072	J	mg/l	0.00100	0.00038	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Iron, Total	1.40		mg/l	0.0500	0.0191	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Lead, Total	0.00048	J	mg/l	0.00100	0.00034	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Magnesium, Total	35.4		mg/l	0.100	0.015	1	04/23/18 10:45	04/24/18 23:31	EPA 3005A	1,6010C	AB
Manganese, Total	1.024		mg/l	0.00100	0.00044	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/24/18 11:29	04/24/18 22:55	EPA 7470A	1,7470A	EA
Nickel, Total	0.00890		mg/l	0.00200	0.00055	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Potassium, Total	3.54		mg/l	0.100	0.0309	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Sodium, Total	63.4		mg/l	0.100	0.0293	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Zinc, Total	0.00483	J	mg/l	0.01000	0.00341	1	04/23/18 10:45	04/25/18 09:50	EPA 3005A	1,6020A	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	545		mg/l	0.660	NA	1	04/23/18 10:45	04/24/18 23:31	EPA 3005A	1,6010C	AB

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-07 Date Collected: 04/20/18 08:35

Client ID: MW-3B Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Antimony, Dissolved	0.00067	J	mg/l	0.00400	0.00042	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.03467		mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Barium, Dissolved	0.2737		mg/l	0.00050	0.00017	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Calcium, Dissolved	154.		mg/l	0.100	0.0394	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Chromium, Dissolved	0.00023	J	mg/l	0.00100	0.00017	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Cobalt, Dissolved	0.00046	J	mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Iron, Dissolved	0.0320	J	mg/l	0.0500	0.0191	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Magnesium, Dissolved	36.0		mg/l	0.0700	0.0242	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.9591		mg/l	0.00100	0.00044	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	04/24/18 12:13	04/24/18 22:22	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00709		mg/l	0.00200	0.00055	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Potassium, Dissolved	3.90		mg/l	0.100	0.0309	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Sodium, Dissolved	50.2		mg/l	0.100	0.0293	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	04/24/18 08:30	04/24/18 14:48	EPA 3005A	1,6020A	AM

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-08 Date Collected: 04/20/18 08:50

Client ID: SW-8 Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.429		mg/l	0.0100	0.00327	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00080		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Barium, Total	0.01659		mg/l	0.00050	0.00017	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Boron, Total	0.014	J	mg/l	0.030	0.002	1	04/23/18 10:45	04/24/18 23:50	EPA 3005A	1,6010C	AB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Calcium, Total	30.3		mg/l	0.100	0.035	1	04/23/18 10:45	04/24/18 23:50	EPA 3005A	1,6010C	AB
Chromium, Total	0.00084	J	mg/l	0.00100	0.00017	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00050		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Copper, Total	0.00264		mg/l	0.00100	0.00038	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Iron, Total	0.841		mg/l	0.0500	0.0191	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Lead, Total	0.00086	J	mg/l	0.00100	0.00034	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Magnesium, Total	8.92		mg/l	0.100	0.015	1	04/23/18 10:45	04/24/18 23:50	EPA 3005A	1,6010C	AB
Manganese, Total	0.05958		mg/l	0.00100	0.00044	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/24/18 11:29	04/24/18 23:01	EPA 7470A	1,7470A	EA
Nickel, Total	0.00144	J	mg/l	0.00200	0.00055	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Potassium, Total	1.50		mg/l	0.100	0.0309	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Sodium, Total	31.4		mg/l	0.100	0.0293	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Zinc, Total	0.01056		mg/l	0.01000	0.00341	1	04/23/18 10:45	04/25/18 10:39	EPA 3005A	1,6020A	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	112		mg/l	0.660	NA	1	04/23/18 10:45	04/24/18 23:50	EPA 3005A	1,6010C	AB

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-09 Date Collected: 04/20/18 10:00

Client ID: MW-220 Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0222		mg/l	0.0100	0.00327	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Arsenic, Total	0.01713		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Barium, Total	0.06711		mg/l	0.00050	0.00017	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Boron, Total	0.035		mg/l	0.030	0.002	1	04/23/18 10:45	04/25/18 00:18	EPA 3005A	1,6010C	AB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Calcium, Total	160		mg/l	0.100	0.035	1	04/23/18 10:45	04/25/18 00:18	EPA 3005A	1,6010C	AB
Chromium, Total	0.00054	J	mg/l	0.00100	0.00017	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00062		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Copper, Total	0.00059	J	mg/l	0.00100	0.00038	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Iron, Total	2.58		mg/l	0.0500	0.0191	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Lead, Total	0.00093	J	mg/l	0.00100	0.00034	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Magnesium, Total	39.0		mg/l	0.100	0.015	1	04/23/18 10:45	04/25/18 00:18	EPA 3005A	1,6010C	AB
Manganese, Total	0.9784		mg/l	0.00100	0.00044	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/24/18 11:29	04/24/18 23:02	EPA 7470A	1,7470A	EA
Nickel, Total	0.00126	J	mg/l	0.00200	0.00055	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Potassium, Total	2.83		mg/l	0.100	0.0309	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Sodium, Total	12.8		mg/l	0.100	0.0293	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/23/18 10:45	04/25/18 10:43	EPA 3005A	1,6020A	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	559		mg/l	0.660	NA	1	04/23/18 10:45	04/25/18 00:18	EPA 3005A	1,6010C	AB

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-09 Date Collected: 04/20/18 10:00

Client ID: MW-220 Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Antimony, Dissolved	0.00048	J	mg/l	0.00400	0.00042	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00207		mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Barium, Dissolved	0.06502		mg/l	0.00050	0.00017	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Calcium, Dissolved	163.		mg/l	0.100	0.0394	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Cobalt, Dissolved	0.00047	J	mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Magnesium, Dissolved	40.2		mg/l	0.0700	0.0242	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.8402		mg/l	0.00100	0.00044	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	04/24/18 12:13	04/24/18 22:24	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00107	J	mg/l	0.00200	0.00055	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Potassium, Dissolved	2.40		mg/l	0.100	0.0309	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Sodium, Dissolved	12.6		mg/l	0.100	0.0293	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	04/24/18 08:30	04/24/18 14:52	EPA 3005A	1,6020A	AM

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-10 Date Collected: 04/20/18 11:45

Client ID: MW-245S Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.316		mg/l	0.0100	0.00327	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Arsenic, Total	0.03102		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Barium, Total	0.09172		mg/l	0.00050	0.00017	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Boron, Total	0.024	J	mg/l	0.030	0.002	1	04/23/18 10:45	04/25/18 00:22	EPA 3005A	1,6010C	AB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Calcium, Total	145		mg/l	0.100	0.035	1	04/23/18 10:45	04/25/18 00:22	EPA 3005A	1,6010C	AB
Chromium, Total	0.00067	J	mg/l	0.00100	0.00017	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00057		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Copper, Total	0.00117		mg/l	0.00100	0.00038	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Iron, Total	1.80		mg/l	0.0500	0.0191	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Lead, Total	0.00325		mg/l	0.00100	0.00034	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Magnesium, Total	30.6		mg/l	0.100	0.015	1	04/23/18 10:45	04/25/18 00:22	EPA 3005A	1,6010C	AB
Manganese, Total	1.708		mg/l	0.00100	0.00044	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/24/18 11:29	04/24/18 23:04	EPA 7470A	1,7470A	EA
Nickel, Total	0.00119	J	mg/l	0.00200	0.00055	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Potassium, Total	2.30		mg/l	0.100	0.0309	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Sodium, Total	56.4		mg/l	0.100	0.0293	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Zinc, Total	0.00395	J	mg/l	0.01000	0.00341	1	04/23/18 10:45	04/25/18 10:48	EPA 3005A	1,6020A	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	487		mg/l	0.660	NA	1	04/23/18 10:45	04/25/18 00:22	EPA 3005A	1,6010C	AB

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-10 Date Collected: 04/20/18 11:45

Client ID: MW-245S Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.01166		mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Barium, Dissolved	0.09088		mg/l	0.00050	0.00017	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Calcium, Dissolved	140.		mg/l	0.100	0.0394	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Chromium, Dissolved	0.00020	J	mg/l	0.00100	0.00017	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Cobalt, Dissolved	0.00027	J	mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Iron, Dissolved	0.0214	J	mg/l	0.0500	0.0191	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Magnesium, Dissolved	29.8		mg/l	0.0700	0.0242	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Manganese, Dissolved	1.616		mg/l	0.00100	0.00044	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	04/24/18 12:13	04/24/18 22:25	EPA 7470A	1,7470A	EA
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Potassium, Dissolved	1.92		mg/l	0.100	0.0309	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Sodium, Dissolved	50.7		mg/l	0.100	0.0293	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	04/24/18 08:30	04/24/18 14:56	EPA 3005A	1,6020A	AM

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-11 Date Collected: 04/20/18 12:50

Client ID: MW-245D Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0100		mg/l	0.0100	0.00327	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Antimony, Total	0.00079	J	mg/l	0.00400	0.00042	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00442		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Barium, Total	0.08159		mg/l	0.00050	0.00017	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Boron, Total	0.047		mg/l	0.030	0.002	1	04/23/18 10:45	04/25/18 00:27	EPA 3005A	1,6010C	AB
Cadmium, Total	0.00010	J	mg/l	0.00020	0.00005	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Calcium, Total	73.7		mg/l	0.100	0.035	1	04/23/18 10:45	04/25/18 00:27	EPA 3005A	1,6010C	AB
Chromium, Total	0.00073	J	mg/l	0.00100	0.00017	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Copper, Total	0.00057	J	mg/l	0.00100	0.00038	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Iron, Total	1.14		mg/l	0.0500	0.0191	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Lead, Total	0.00167		mg/l	0.00100	0.00034	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Magnesium, Total	25.1		mg/l	0.100	0.015	1	04/23/18 10:45	04/25/18 00:27	EPA 3005A	1,6010C	AB
Manganese, Total	0.1592		mg/l	0.00100	0.00044	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/24/18 11:29	04/24/18 23:06	EPA 7470A	1,7470A	EA
Nickel, Total	0.00167	J	mg/l	0.00200	0.00055	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Potassium, Total	3.96		mg/l	0.100	0.0309	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Sodium, Total	46.0		mg/l	0.100	0.0293	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Zinc, Total	0.02504		mg/l	0.01000	0.00341	1	04/23/18 10:45	04/25/18 10:52	EPA 3005A	1,6020A	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	287		mg/l	0.660	NA	1	04/23/18 10:45	04/25/18 00:27	EPA 3005A	1,6010C	AB

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-11 Date Collected: 04/20/18 12:50

Client ID: MW-245D Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Antimony, Dissolved	0.00079	J	mg/l	0.00400	0.00042	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00195		mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Barium, Dissolved	0.08048		mg/l	0.00050	0.00017	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Calcium, Dissolved	75.2		mg/l	0.100	0.0394	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Chromium, Dissolved	0.00020	J	mg/l	0.00100	0.00017	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Magnesium, Dissolved	25.3		mg/l	0.0700	0.0242	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.1582		mg/l	0.00100	0.00044	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	04/24/18 12:13	04/24/18 22:31	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00163	J	mg/l	0.00200	0.00055	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Potassium, Dissolved	3.46		mg/l	0.100	0.0309	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Sodium, Dissolved	41.4		mg/l	0.100	0.0293	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM
Zinc, Dissolved	0.00373	J	mg/l	0.01000	0.00341	1	04/24/18 08:30	04/24/18 15:00	EPA 3005A	1,6020A	AM

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-12 Date Collected: 04/20/18 13:45

Client ID: MH-7 Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.779		mg/l	0.0100	0.00327	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Antimony, Total	0.00525		mg/l	0.00400	0.00042	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Arsenic, Total	0.01339		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Barium, Total	0.1615		mg/l	0.00050	0.00017	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Boron, Total	2.90		mg/l	0.030	0.002	1	04/23/18 10:45	04/25/18 00:32	EPA 3005A	1,6010C	AB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Calcium, Total	158		mg/l	0.100	0.035	1	04/23/18 10:45	04/25/18 00:32	EPA 3005A	1,6010C	AB
Chromium, Total	0.00927		mg/l	0.00100	0.00017	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Cobalt, Total	0.01605		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Copper, Total	0.00664		mg/l	0.00100	0.00038	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Iron, Total	13.7		mg/l	0.0500	0.0191	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Lead, Total	0.00197		mg/l	0.00100	0.00034	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Magnesium, Total	73.7		mg/l	0.100	0.015	1	04/23/18 10:45	04/25/18 00:32	EPA 3005A	1,6010C	AB
Manganese, Total	0.4421		mg/l	0.00100	0.00044	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/24/18 11:29	04/24/18 23:08	EPA 7470A	1,7470A	EA
Nickel, Total	0.07741		mg/l	0.00200	0.00055	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Potassium, Total	179.		mg/l	0.100	0.0309	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Sodium, Total	781.		mg/l	2.00	0.586	20	04/23/18 10:45	04/25/18 10:56	EPA 3005A	1,6020A	AM
Thallium, Total	0.00020	J	mg/l	0.00050	0.00014	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Vanadium, Total	0.00836		mg/l	0.00500	0.00157	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Zinc, Total	0.02358		mg/l	0.01000	0.00341	1	04/23/18 10:45	04/25/18 11:21	EPA 3005A	1,6020A	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	697		mg/l	0.660	NA	1	04/23/18 10:45	04/25/18 00:32	EPA 3005A	1,6010C	AB

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-13 Date Collected: 04/20/18 14:30

Client ID: MH-15 Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0720		mg/l	0.0100	0.00327	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Antimony, Total	0.00078	J	mg/l	0.00400	0.00042	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00292		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Barium, Total	0.08112		mg/l	0.00050	0.00017	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Boron, Total	0.209		mg/l	0.030	0.002	1	04/23/18 10:45	04/25/18 00:37	EPA 3005A	1,6010C	AB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Calcium, Total	127		mg/l	0.100	0.035	1	04/23/18 10:45	04/25/18 00:37	EPA 3005A	1,6010C	AB
Chromium, Total	0.00142		mg/l	0.00100	0.00017	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00108		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Copper, Total	0.00086	J	mg/l	0.00100	0.00038	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Iron, Total	17.5		mg/l	0.0500	0.0191	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Magnesium, Total	21.3		mg/l	0.100	0.015	1	04/23/18 10:45	04/25/18 00:37	EPA 3005A	1,6010C	AB
Manganese, Total	1.440		mg/l	0.00100	0.00044	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/24/18 11:29	04/24/18 23:13	EPA 7470A	1,7470A	EA
Nickel, Total	0.00670		mg/l	0.00200	0.00055	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Potassium, Total	15.1		mg/l	0.100	0.0309	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Sodium, Total	52.2		mg/l	0.100	0.0293	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/23/18 10:45	04/25/18 11:25	EPA 3005A	1,6020A	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	404		mg/l	0.660	NA	1	04/23/18 10:45	04/25/18 00:37	EPA 3005A	1,6010C	AB

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-14 Date Collected: 04/20/18 00:00

Client ID: DUP042018 Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0133		mg/l	0.0100	0.00327	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Antimony, Total	0.00046	J	mg/l	0.00400	0.00042	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Arsenic, Total	0.01921		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Barium, Total	0.07062		mg/l	0.00050	0.00017	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Boron, Total	0.037		mg/l	0.030	0.002	1	04/23/18 10:45	04/25/18 00:41	EPA 3005A	1,6010C	AB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Calcium, Total	168		mg/l	0.100	0.035	1	04/23/18 10:45	04/25/18 00:41	EPA 3005A	1,6010C	AB
Chromium, Total	0.00049	J	mg/l	0.00100	0.00017	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00066		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Iron, Total	2.92		mg/l	0.0500	0.0191	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Lead, Total	0.00104		mg/l	0.00100	0.00034	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Magnesium, Total	41.1		mg/l	0.100	0.015	1	04/23/18 10:45	04/25/18 00:41	EPA 3005A	1,6010C	AB
Manganese, Total	1.041		mg/l	0.00100	0.00044	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/24/18 11:29	04/24/18 23:15	EPA 7470A	1,7470A	EA
Nickel, Total	0.00152	J	mg/l	0.00200	0.00055	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Potassium, Total	3.01		mg/l	0.100	0.0309	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Sodium, Total	13.5		mg/l	0.100	0.0293	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/23/18 10:45	04/25/18 11:29	EPA 3005A	1,6020A	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	588		mg/l	0.660	NA	1	04/23/18 10:45	04/25/18 00:41	EPA 3005A	1,6010C	AB

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-14 Date Collected: 04/20/18 00:00

Client ID: DUP042018 Date Received: 04/20/18

Sample Location: NEW HAMPTON, NEW YORK Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00189		mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Barium, Dissolved	0.06378		mg/l	0.00050	0.00017	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Calcium, Dissolved	158.		mg/l	0.100	0.0394	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Chromium, Dissolved	0.00035	J	mg/l	0.00100	0.00017	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Cobalt, Dissolved	0.00053		mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Iron, Dissolved	0.0239	J	mg/l	0.0500	0.0191	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Magnesium, Dissolved	38.8		mg/l	0.0700	0.0242	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.8513		mg/l	0.00100	0.00044	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	04/24/18 12:13	04/24/18 22:32	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00113	J	mg/l	0.00200	0.00055	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Potassium, Dissolved	2.32		mg/l	0.100	0.0309	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Sodium, Dissolved	12.2		mg/l	0.100	0.0293	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	04/24/18 08:30	04/24/18 15:04	EPA 3005A	1,6020A	AM

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1108397-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Antimony, Total	0.00061	J	mg/l	0.00400	0.00042	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/20/18 14:20	04/24/18 14:11	1,6020A	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07-14 Batch: WG1108844-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Antimony, Total	0.00071	J	mg/l	0.00400	0.00042	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

Method Blank Analysis
Batch Quality Control

Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Potassium, Total	0.0832	J	mg/l	0.100	0.0309	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/23/18 10:45	04/25/18 09:30	1,6020A	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1108885-1										
Boron, Total	ND		mg/l	0.030	0.002	1	04/20/18 14:20	04/23/18 21:40	1,6010C	LC
Calcium, Total	ND		mg/l	0.100	0.035	1	04/20/18 14:20	04/23/18 21:40	1,6010C	LC
Magnesium, Total	ND		mg/l	0.100	0.015	1	04/20/18 14:20	04/23/18 21:40	1,6010C	LC

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Hardness by SM 2340B - Mansfield Lab for sample(s): 01-05 Batch: WG1108885-1										
Hardness	ND		mg/l	0.660	NA	1	04/20/18 14:20	04/23/18 21:40	1,6010C	LC

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-03,07,09-11,14 Batch: WG1108935-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Antimony, Dissolved	0.00111	J	mg/l	0.00400	0.00042	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Sodium, Dissolved	0.0775	J	mg/l	0.100	0.0293	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM
Zinc, Dissolved	0.00913	J	mg/l	0.01000	0.00341	1	04/24/18 08:30	04/24/18 14:33	1,6020A	AM

Prep Information

Digestion Method: EPA 3005A

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1108957-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/23/18 15:22	04/24/18 19:24	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07-14 Batch: WG1109155-1										
Boron, Total	ND		mg/l	0.030	0.002	1	04/23/18 10:45	04/24/18 23:22	1,6010C	AB
Calcium, Total	ND		mg/l	0.100	0.035	1	04/23/18 10:45	04/24/18 23:22	1,6010C	AB
Magnesium, Total	ND		mg/l	0.100	0.015	1	04/23/18 10:45	04/24/18 23:22	1,6010C	AB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Hardness by SM 2340B - Mansfield Lab for sample(s): 07-14 Batch: WG1109155-1										
Hardness	ND		mg/l	0.660	NA	1	04/23/18 10:45	04/24/18 23:22	1,6010C	AB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07-14 Batch: WG1109257-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/24/18 11:29	04/24/18 22:52	1,7470A	EA

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-03,07,09-11,14 Batch: WG1109282-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	04/24/18 12:13	04/24/18 22:09	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1108397-2								
Aluminum, Total	104		-		80-120	-		
Antimony, Total	94		-		80-120	-		
Arsenic, Total	104		-		80-120	-		
Barium, Total	99		-		80-120	-		
Beryllium, Total	103		-		80-120	-		
Cadmium, Total	107		-		80-120	-		
Chromium, Total	96		-		80-120	-		
Cobalt, Total	97		-		80-120	-		
Copper, Total	100		-		80-120	-		
Iron, Total	100		-		80-120	-		
Lead, Total	101		-		80-120	-		
Manganese, Total	99		-		80-120	-		
Nickel, Total	100		-		80-120	-		
Potassium, Total	101		-		80-120	-		
Selenium, Total	105		-		80-120	-		
Silver, Total	100		-		80-120	-		
Sodium, Total	96		-		80-120	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	96		-		80-120	-		
Zinc, Total	106		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL

Project Number: 2010-15

Lab Number: L1813841

Report Date: 04/26/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-14 Batch: WG1108844-2					
Aluminum, Total	104	-	80-120	-	
Antimony, Total	101	-	80-120	-	
Arsenic, Total	105	-	80-120	-	
Barium, Total	97	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Chromium, Total	99	-	80-120	-	
Cobalt, Total	98	-	80-120	-	
Copper, Total	105	-	80-120	-	
Iron, Total	105	-	80-120	-	
Lead, Total	100	-	80-120	-	
Manganese, Total	100	-	80-120	-	
Nickel, Total	102	-	80-120	-	
Potassium, Total	104	-	80-120	-	
Selenium, Total	108	-	80-120	-	
Silver, Total	101	-	80-120	-	
Sodium, Total	95	-	80-120	-	
Thallium, Total	97	-	80-120	-	
Vanadium, Total	100	-	80-120	-	
Zinc, Total	107	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL

Project Number: 2010-15

Lab Number: L1813841

Report Date: 04/26/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1108885-2					
Boron, Total	117	-	80-120	-	
Calcium, Total	97	-	80-120	-	
Magnesium, Total	103	-	80-120	-	
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 01-05 Batch: WG1108885-2					
Hardness	101	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03,07,09-11,14 Batch: WG1108935-2					
Aluminum, Dissolved	104	-	80-120	-	
Antimony, Dissolved	105	-	80-120	-	
Arsenic, Dissolved	107	-	80-120	-	
Barium, Dissolved	108	-	80-120	-	
Beryllium, Dissolved	107	-	80-120	-	
Cadmium, Dissolved	110	-	80-120	-	
Calcium, Dissolved	101	-	80-120	-	
Chromium, Dissolved	99	-	80-120	-	
Cobalt, Dissolved	98	-	80-120	-	
Copper, Dissolved	101	-	80-120	-	
Iron, Dissolved	108	-	80-120	-	
Lead, Dissolved	106	-	80-120	-	
Magnesium, Dissolved	102	-	80-120	-	
Manganese, Dissolved	102	-	80-120	-	
Nickel, Dissolved	101	-	80-120	-	
Potassium, Dissolved	97	-	80-120	-	
Selenium, Dissolved	112	-	80-120	-	
Silver, Dissolved	111	-	80-120	-	
Sodium, Dissolved	105	-	80-120	-	
Thallium, Dissolved	101	-	80-120	-	
Vanadium, Dissolved	98	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03,07,09-11,14 Batch: WG1108935-2					
Zinc, Dissolved	113	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1108957-2					
Mercury, Total	102	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 07-14 Batch: WG1109155-2					
Boron, Total	106	-	80-120	-	
Calcium, Total	100	-	80-120	-	
Magnesium, Total	98	-	80-120	-	
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 07-14 Batch: WG1109155-2					
Hardness	98	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 07-14 Batch: WG1109257-2					
Mercury, Total	102	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03,07,09-11,14 Batch: WG1109282-2					
Mercury, Dissolved	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1108397-3 WG1108397-4 QC Sample: L1813841-01 Client ID: MW-233S												
Aluminum, Total	0.00582J	2	2.08	104		2.11	106		75-125	1		20
Antimony, Total	0.00065J	0.5	0.4816	96		0.5065	101		75-125	5		20
Arsenic, Total	0.00049J	0.12	0.1274	106		0.1295	108		75-125	2		20
Barium, Total	0.04709	2	2.040	100		2.081	102		75-125	2		20
Beryllium, Total	ND	0.05	0.05466	109		0.05316	106		75-125	3		20
Cadmium, Total	0.00006J	0.051	0.05459	107		0.05567	109		75-125	2		20
Chromium, Total	0.00046J	0.2	0.1922	96		0.1960	98		75-125	2		20
Cobalt, Total	ND	0.5	0.4847	97		0.4950	99		75-125	2		20
Copper, Total	0.00157	0.25	0.2547	101		0.2616	104		75-125	3		20
Iron, Total	0.0384J	1	1.04	104		1.08	108		75-125	4		20
Lead, Total	ND	0.51	0.5206	102		0.5239	103		75-125	1		20
Manganese, Total	0.3138	0.5	0.7693	91		0.8147	100		75-125	6		20
Nickel, Total	0.00125J	0.5	0.5005	100		0.5179	104		75-125	3		20
Potassium, Total	1.80	10	11.9	101		12.1	103		75-125	2		20
Selenium, Total	0.0283	0.12	0.157	107		0.158	108		75-125	1		20
Silver, Total	ND	0.05	0.05097	102		0.05213	104		75-125	2		20
Sodium, Total	1.46	10	13.6	121		11.7	102		75-125	15		20
Thallium, Total	ND	0.12	0.1188	99		0.1218	102		75-125	2		20
Vanadium, Total	ND	0.5	0.4829	96		0.4952	99		75-125	3		20
Zinc, Total	ND	0.5	0.5352	107		0.5504	110		75-125	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1108397-7 WG1108397-8 QC Sample: L1813851-03 Client ID: MS Sample											
Aluminum, Total	3.04	2	5.92	**144**	Q	5.99	**148**	Q	75-125	1	20
Antimony, Total	0.00138J	0.5	0.5473	109		0.5480	110		75-125	0	20
Arsenic, Total	0.00174	0.12	0.1286	106		0.1285	106		75-125	0	20
Barium, Total	0.2247	2	2.266	102		2.248	101		75-125	1	20
Beryllium, Total	0.00014J	0.05	0.05390	108		0.05268	105		75-125	2	20
Cadmium, Total	0.00010J	0.051	0.05579	109		0.05491	108		75-125	2	20
Chromium, Total	0.00676	0.2	0.2042	99		0.2030	98		75-125	1	20
Cobalt, Total	0.00486	0.5	0.5143	102		0.4992	99		75-125	3	20
Copper, Total	0.00859	0.25	0.2775	108		0.2638	102		75-125	5	20
Iron, Total	8.03	1	9.17	114		8.91	88		75-125	3	20
Lead, Total	0.00500	0.51	0.5488	107		0.5388	105		75-125	2	20
Manganese, Total	5.484	0.5	5.639	**31**	Q	5.669	**37**	Q	75-125	1	20
Nickel, Total	0.00675	0.5	0.5350	106		0.5106	101		75-125	5	20
Potassium, Total	12.3	10	22.2	99		22.6	103		75-125	2	20
Selenium, Total	ND	0.12	0.120	100		0.125	104		75-125	4	20
Silver, Total	ND	0.05	0.05177	104		0.05106	102		75-125	1	20
Sodium, Total	395.	10	386	**0**	Q	385	**0**	Q	75-125	0	20
Thallium, Total	0.00025J	0.12	0.1261	105		0.1248	104		75-125	1	20
Vanadium, Total	0.00568	0.5	0.5058	100		0.4994	99		75-125	1	20
Zinc, Total	0.01367	0.5	0.5760	112		0.5563	108		75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-14 QC Batch ID: WG1108844-3 QC Sample: L1813841-07 Client ID: MW-3B									
Aluminum, Total	0.0155	2	2.08	103	-	-	75-125	-	20
Antimony, Total	0.00049J	0.5	0.5930	119	-	-	75-125	-	20
Arsenic, Total	0.04925	0.12	0.1744	104	-	-	75-125	-	20
Barium, Total	0.2187	2	2.183	98	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05147	103	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05561	109	-	-	75-125	-	20
Chromium, Total	0.00032J	0.2	0.1976	99	-	-	75-125	-	20
Cobalt, Total	0.00054	0.5	0.4898	98	-	-	75-125	-	20
Copper, Total	0.00072J	0.25	0.2581	103	-	-	75-125	-	20
Iron, Total	1.40	1	2.38	98	-	-	75-125	-	20
Lead, Total	0.00048J	0.51	0.5234	103	-	-	75-125	-	20
Manganese, Total	1.024	0.5	1.458	87	-	-	75-125	-	20
Nickel, Total	0.00890	0.5	0.5204	102	-	-	75-125	-	20
Potassium, Total	3.54	10	13.7	102	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.129	108	-	-	75-125	-	20
Silver, Total	ND	0.05	0.05126	102	-	-	75-125	-	20
Sodium, Total	63.4	10	72.7	93	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1209	101	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5028	100	-	-	75-125	-	20
Zinc, Total	0.00483J	0.5	0.5500	110	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1108885-3 WG1108885-4 QC Sample: L1813841-01 Client ID: MW-233S											
Boron, Total	0.015J	1	1.25	125		1.23	123		75-125	2	20
Calcium, Total	113.	10	125	120		127	**140**	Q	75-125	2	20
Magnesium, Total	30.9	10	42.0	111		42.2	113		75-125	0	20
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1108885-3 WG1108885-4 QC Sample: L1813841-01 Client ID: MW-233S											
Hardness	409.	66.2	486	116		490	122		75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03,07,09-11,14 QC Batch ID: WG1108935-3 WG1108935-4 QC Sample: L1813841-01 Client ID: MW-233S									
Aluminum, Dissolved	ND	2	2.05	102	2.09	104	75-125	2	20
Antimony, Dissolved	0.00046J	0.5	0.5064	101	0.5367	107	75-125	6	20
Arsenic, Dissolved	0.00049J	0.12	0.1299	108	0.1325	110	75-125	2	20
Barium, Dissolved	0.04748	2	2.227	109	2.218	108	75-125	0	20
Beryllium, Dissolved	ND	0.05	0.05413	108	0.05264	105	75-125	3	20
Cadmium, Dissolved	ND	0.051	0.05732	112	0.05834	114	75-125	2	20
Calcium, Dissolved	126.	10	136	100	138	120	75-125	1	20
Chromium, Dissolved	0.00018J	0.2	0.2033	102	0.1996	100	75-125	2	20
Cobalt, Dissolved	ND	0.5	0.4865	97	0.4876	98	75-125	0	20
Copper, Dissolved	0.00060J	0.25	0.2586	103	0.2554	102	75-125	1	20
Iron, Dissolved	ND	1	1.06	106	1.09	109	75-125	3	20
Lead, Dissolved	ND	0.51	0.5479	107	0.5374	105	75-125	2	20
Magnesium, Dissolved	32.9	10	44.7	118	44.4	115	75-125	1	20
Manganese, Dissolved	0.00108	0.5	0.5071	101	0.5081	101	75-125	0	20
Nickel, Dissolved	ND	0.5	0.5134	103	0.5021	100	75-125	2	20
Potassium, Dissolved	1.72	10	11.4	97	11.4	97	75-125	0	20
Selenium, Dissolved	0.0213	0.12	0.160	116	0.156	112	75-125	3	20
Silver, Dissolved	ND	0.05	0.05503	110	0.05534	111	75-125	1	20
Sodium, Dissolved	1.51	10	12.3	108	12.2	107	75-125	1	20
Thallium, Dissolved	ND	0.12	0.1196	100	0.1212	101	75-125	1	20
Vanadium, Dissolved	ND	0.5	0.4936	99	0.4966	99	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03,07,09-11,14 QC Batch ID: WG1108935-3 WG1108935-4 QC Sample: L1813841-01 Client ID: MW-233S										
Zinc, Dissolved	ND	0.5	0.5553	111		0.5636	113	75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1108957-3 WG1108957-4 QC Sample: L1813841-01 Client ID: MW-233S										
Mercury, Total	ND	0.005	0.00489	98		0.00480	96	75-125	2	20
Total Metals - Mansfield Lab Associated sample(s): 07-14 QC Batch ID: WG1109155-3 QC Sample: L1813841-07 Client ID: MW-3B										
Boron, Total	0.247	1	1.34	109		-	-	75-125	-	20
Calcium, Total	160.	10	164	**40**	Q	-	-	75-125	-	20
Magnesium, Total	35.4	10	43.7	83		-	-	75-125	-	20
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 07-14 QC Batch ID: WG1109155-3 QC Sample: L1813841-07 Client ID: MW-3B										
Hardness	545.	66.2	590	**68**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 07-14 QC Batch ID: WG1109257-3 QC Sample: L1813841-07 Client ID: MW-3B										
Mercury, Total	ND	0.005	0.00437	88		-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03,07,09-11,14 QC Batch ID: WG1109282-3 WG1109282-4 QC Sample: L1813841-01 Client ID: MW-233S										
Mercury, Dissolved	ND	0.005	0.00493	99		0.00501	100	75-125	2	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-14 QC Batch ID: WG1108844-4 QC Sample: L1813841-07 Client ID: MW-3B						
Aluminum, Total	0.0155	0.0176	mg/l	13		20
Antimony, Total	0.00049J	0.00125J	mg/l	NC		20
Arsenic, Total	0.04925	0.04977	mg/l	1		20
Barium, Total	0.2187	0.2171	mg/l	1		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.00032J	0.00038J	mg/l	NC		20
Cobalt, Total	0.00054	0.00055	mg/l	1		20
Copper, Total	0.00072J	0.00134	mg/l	NC		20
Iron, Total	1.40	1.45	mg/l	4		20
Lead, Total	0.00048J	0.00055J	mg/l	NC		20
Manganese, Total	1.024	1.045	mg/l	2		20
Nickel, Total	0.00890	0.00858	mg/l	4		20
Potassium, Total	3.54	3.58	mg/l	1		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	63.4	64.0	mg/l	1		20
Thallium, Total	ND	0.00022J	mg/l	NC		20
Vanadium, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-14 QC Batch ID: WG1108844-4 QC Sample: L1813841-07 Client ID: MW-3B					
Zinc, Total	0.00483J	0.00584J	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 07-14 QC Batch ID: WG1109155-4 QC Sample: L1813841-07 Client ID: MW-3B					
Boron, Total	0.247	0.244	mg/l	1	20
Calcium, Total	160.	159	mg/l	1	20
Magnesium, Total	35.4	34.9	mg/l	1	20
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 07-14 QC Batch ID: WG1109155-4 QC Sample: L1813841-07 Client ID: MW-3B					
Hardness	545.	542	mg/l	1	20
Total Metals - Mansfield Lab Associated sample(s): 07-14 QC Batch ID: WG1109257-4 QC Sample: L1813841-07 Client ID: MW-3B					
Mercury, Total	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-01
Client ID: MW-233S
Sample Location: NEW HAMPTON, NEW YORK
Sample Depth:
Matrix: Water

Date Collected: 04/19/18 11:20
Date Received: 04/19/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	ND		A.P.C.U.	5.0	5.0	1	-	04/20/18 06:24	121,2120B	UN
Alkalinity, Total	282.		mg CaCO3/L	2.00	NA	1	-	04/20/18 06:30	121,2320B	BR
Solids, Total Dissolved	500		mg/l	10	3.1	1	-	04/20/18 12:10	121,2540C	DW
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/22/18 14:00	04/23/18 11:25	1,9010C/9012B	LH
Nitrogen, Ammonia	0.098		mg/l	0.075	0.024	1	04/21/18 16:20	04/23/18 22:04	44,350.1	AT
Nitrogen, Nitrate	13.		mg/l	0.50	0.16	5	-	04/21/18 01:11	44,353.2	MR
Nitrogen, Total Kjeldahl	0.160	J	mg/l	0.600	0.132	2	04/21/18 15:00	04/23/18 20:35	4,351.3/.1 (M)	SD
Chemical Oxygen Demand	6.1	J	mg/l	10	2.7	1	04/20/18 08:55	04/20/18 11:58	44,410.4	SD
BOD, 5 day	ND		mg/l	2.0	NA	1	04/21/18 03:15	04/26/18 00:05	121,5210B	CW
Total Organic Carbon	2.43		mg/l	1.00	0.228	2	-	04/23/18 10:06	121,5310C	AG
Phenolics, Total	ND		mg/l	0.030	0.006	1	04/21/18 06:30	04/21/18 10:23	4,420.1	GD
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/20/18 05:50	04/20/18 06:01	1,7196A	UN
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.009	1	-	04/21/18 18:50	44,300.0	JR
Chloride	1.84		mg/l	0.500	0.083	1	-	04/20/18 18:35	44,300.0	JR
Sulfate	139.		mg/l	25.0	4.00	25	-	04/20/18 19:23	44,300.0	JR

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-02
Client ID: MW-233D
Sample Location: NEW HAMPTON, NEW YORK
Sample Depth:
Matrix: Water

Date Collected: 04/19/18 12:30
Date Received: 04/19/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	ND		A.P.C.U.	5.0	5.0	1	-	04/20/18 06:24	121,2120B	UN
Alkalinity, Total	186.		mg CaCO3/L	2.00	NA	1	-	04/20/18 06:30	121,2320B	BR
Solids, Total Dissolved	480		mg/l	10	3.1	1	-	04/20/18 12:10	121,2540C	DW
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/23/18 16:25	04/24/18 11:27	1,9010C/9012B	LH
Nitrogen, Ammonia	0.036	J	mg/l	0.075	0.024	1	04/21/18 16:20	04/23/18 22:07	44,350.1	AT
Nitrogen, Nitrate	0.036	J	mg/l	0.10	0.033	1	-	04/20/18 23:33	44,353.2	MR
Nitrogen, Total Kjeldahl	0.217	J	mg/l	0.300	0.066	1	04/21/18 15:00	04/23/18 20:38	4,351.3/.1 (M)	SD
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	04/20/18 08:55	04/20/18 11:58	44,410.4	SD
BOD, 5 day	ND		mg/l	2.0	NA	1	04/21/18 03:15	04/26/18 00:05	121,5210B	CW
Total Organic Carbon	0.680	J	mg/l	1.00	0.228	2	-	04/23/18 10:06	121,5310C	AG
Phenolics, Total	ND		mg/l	0.030	0.006	1	04/21/18 06:30	04/21/18 10:29	4,420.1	GD
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/20/18 05:50	04/20/18 06:01	1,7196A	UN
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.892		mg/l	0.050	0.009	1	-	04/21/18 19:14	44,300.0	JR
Chloride	113.		mg/l	2.50	0.420	5	-	04/20/18 18:47	44,300.0	JR
Sulfate	129.		mg/l	5.00	0.800	5	-	04/20/18 18:47	44,300.0	JR

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-03
Client ID: PZ-4
Sample Location: NEW HAMPTON, NEW YORK
Sample Depth:
Matrix: Water

Date Collected: 04/19/18 15:10
Date Received: 04/19/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	ND		A.P.C.U.	120	120	25	-	04/20/18 06:24	121,2120B	UN
Alkalinity, Total	600.		mg CaCO3/L	5.00	NA	2.5	-	04/20/18 06:30	121,2320B	BR
Solids, Total Dissolved	640		mg/l	10	3.1	1	-	04/20/18 12:10	121,2540C	DW
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/22/18 14:00	04/23/18 11:31	1,9010C/9012B	LH
Nitrogen, Ammonia	0.084		mg/l	0.075	0.024	1	04/21/18 16:20	04/23/18 22:08	44,350.1	AT
Nitrogen, Nitrate	0.11		mg/l	0.10	0.033	1	-	04/20/18 23:34	44,353.2	MR
Nitrogen, Total Kjeldahl	0.398		mg/l	0.300	0.066	1	04/21/18 15:00	04/23/18 20:39	4,351.3/.1 (M)	SD
Chemical Oxygen Demand	8.4	J	mg/l	10	2.7	1	04/20/18 08:55	04/20/18 11:58	44,410.4	SD
BOD, 5 day	ND		mg/l	2.0	NA	1	04/21/18 03:15	04/26/18 00:05	121,5210B	CW
Total Organic Carbon	1.78		mg/l	1.00	0.228	2	-	04/23/18 10:06	121,5310C	AG
Phenolics, Total	ND		mg/l	0.030	0.006	1	04/21/18 06:30	04/21/18 10:30	4,420.1	GD
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/20/18 05:50	04/20/18 06:02	1,7196A	UN
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.100		mg/l	0.050	0.009	1	-	04/21/18 19:26	44,300.0	JR
Chloride	47.1		mg/l	0.500	0.083	1	-	04/20/18 20:11	44,300.0	JR
Sulfate	90.8		mg/l	1.00	0.160	1	-	04/20/18 20:11	44,300.0	JR

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-04
Client ID: SW-5
Sample Location: NEW HAMPTON, NEW YORK
Sample Depth:
Matrix: Water

Date Collected: 04/19/18 15:15
Date Received: 04/19/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	56		A.P.C.U.	10	10.	2	-	04/20/18 06:24	121,2120B	UN
Alkalinity, Total	74.0		mg CaCO3/L	2.00	NA	1	-	04/20/18 06:30	121,2320B	BR
Solids, Total Dissolved	150		mg/l	10	3.1	1	-	04/20/18 12:10	121,2540C	DW
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/22/18 14:00	04/23/18 11:32	1,9010C/9012B	LH
Nitrogen, Ammonia	0.045	J	mg/l	0.075	0.024	1	04/21/18 16:20	04/23/18 22:12	44,350.1	AT
Nitrogen, Nitrate	1.1		mg/l	0.10	0.033	1	-	04/20/18 23:35	44,353.2	MR
Nitrogen, Total Kjeldahl	0.826		mg/l	0.300	0.066	1	04/21/18 15:00	04/23/18 20:40	4,351.3/.1 (M)	SD
Chemical Oxygen Demand	25.		mg/l	10	2.7	1	04/20/18 08:55	04/20/18 11:59	44,410.4	SD
BOD, 5 day	ND		mg/l	2.0	NA	1	04/21/18 03:15	04/26/18 00:05	121,5210B	CW
Total Organic Carbon	6.70		mg/l	1.00	0.228	2	-	04/23/18 10:06	121,5310C	AG
Phenolics, Total	ND		mg/l	0.030	0.006	1	04/21/18 06:30	04/21/18 11:03	4,420.1	GD
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/20/18 05:50	04/20/18 06:02	1,7196A	UN
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.009	1	-	04/21/18 19:38	44,300.0	JR
Chloride	58.9		mg/l	5.00	0.839	10	-	04/20/18 20:47	44,300.0	JR
Sulfate	16.4		mg/l	1.00	0.160	1	-	04/20/18 20:35	44,300.0	JR

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-05
Client ID: SW-13
Sample Location: NEW HAMPTON, NEW YORK
Sample Depth:
Matrix: Water

Date Collected: 04/19/18 15:25
Date Received: 04/19/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	46		A.P.C.U.	10	10.	2	-	04/20/18 06:24	121,2120B	UN
Alkalinity, Total	73.4		mg CaCO3/L	2.00	NA	1	-	04/20/18 06:30	121,2320B	BR
Solids, Total Dissolved	170		mg/l	10	3.1	1	-	04/20/18 12:10	121,2540C	DW
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/22/18 14:00	04/23/18 11:33	1,9010C/9012B	LH
Nitrogen, Ammonia	0.058	J	mg/l	0.075	0.024	1	04/21/18 16:20	04/23/18 22:13	44,350.1	AT
Nitrogen, Nitrate	1.1		mg/l	0.10	0.033	1	-	04/20/18 23:37	44,353.2	MR
Nitrogen, Total Kjeldahl	0.852		mg/l	0.300	0.066	1	04/21/18 15:00	04/23/18 20:41	4,351.3/.1 (M)	SD
Chemical Oxygen Demand	27.		mg/l	10	2.7	1	04/20/18 08:55	04/20/18 11:59	44,410.4	SD
BOD, 5 day	ND		mg/l	2.0	NA	1	04/21/18 03:15	04/26/18 00:05	121,5210B	CW
Total Organic Carbon	6.77		mg/l	1.00	0.228	2	-	04/23/18 10:06	121,5310C	AG
Phenolics, Total	ND		mg/l	0.030	0.006	1	04/21/18 06:30	04/21/18 11:04	4,420.1	GD
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/20/18 05:50	04/20/18 06:02	1,7196A	UN
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.009	1	-	04/21/18 19:50	44,300.0	JR
Chloride	58.4		mg/l	5.00	0.839	10	-	04/20/18 21:11	44,300.0	JR
Sulfate	17.5		mg/l	1.00	0.160	1	-	04/20/18 20:59	44,300.0	JR

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-07
Client ID: MW-3B
Sample Location: NEW HAMPTON, NEW YORK
Sample Depth:
Matrix: Water

Date Collected: 04/20/18 08:35
Date Received: 04/20/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	23		A.P.C.U.	5.0	5.0	1	-	04/21/18 04:11	121,2120B	MA
Alkalinity, Total	565.		mg CaCO3/L	2.00	NA	1	-	04/21/18 05:06	121,2320B	GD
Solids, Total Dissolved	710		mg/l	10	3.1	1	-	04/23/18 10:50	121,2540C	SD
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/22/18 14:00	04/23/18 11:34	1,9010C/9012B	LH
Nitrogen, Ammonia	1.91		mg/l	0.075	0.024	1	04/21/18 16:20	04/23/18 22:14	44,350.1	AT
Nitrogen, Nitrate	ND		mg/l	0.10	0.033	1	-	04/23/18 17:55	44,353.2	MR
Nitrogen, Total Kjeldahl	2.21		mg/l	0.300	0.066	1	04/21/18 15:00	04/23/18 20:42	4,351.3/.1 (M)	SD
Chemical Oxygen Demand	11.		mg/l	10	2.7	1	04/23/18 20:35	04/23/18 22:55	44,410.4	TL
BOD, 5 day	ND		mg/l	2.0	NA	1	04/21/18 12:55	04/26/18 07:20	121,5210B	RM
Total Organic Carbon	3.91		mg/l	0.500	0.114	1	-	04/23/18 10:06	121,5310C	AG
Phenolics, Total	0.008	J	mg/l	0.030	0.006	1	04/25/18 19:29	04/25/18 23:57	4,420.1	ML
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/21/18 04:43	04/21/18 05:07	1,7196A	UN
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.345		mg/l	0.050	0.009	1	-	04/21/18 20:02	44,300.0	JR
Chloride	72.4		mg/l	2.50	0.420	5	-	04/21/18 20:50	44,300.0	JR
Sulfate	31.8		mg/l	1.00	0.160	1	-	04/21/18 20:02	44,300.0	JR

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-08
Client ID: SW-8
Sample Location: NEW HAMPTON, NEW YORK
Sample Depth:
Matrix: Water

Date Collected: 04/20/18 08:50
Date Received: 04/20/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	58		A.P.C.U.	10	10.	2	-	04/21/18 04:11	121,2120B	MA
Alkalinity, Total	77.4		mg CaCO3/L	2.00	NA	1	-	04/21/18 05:06	121,2320B	GD
Solids, Total Dissolved	210		mg/l	10	3.1	1	-	04/23/18 10:50	121,2540C	SD
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/22/18 14:00	04/23/18 11:35	1,9010C/9012B	LH
Nitrogen, Ammonia	0.058	J	mg/l	0.075	0.024	1	04/21/18 16:20	04/23/18 22:15	44,350.1	AT
Nitrogen, Nitrate	1.0		mg/l	0.10	0.033	1	-	04/23/18 17:56	44,353.2	MR
Nitrogen, Total Kjeldahl	0.903		mg/l	0.300	0.066	1	04/21/18 15:00	04/23/18 20:43	4,351.3/.1 (M)	SD
Chemical Oxygen Demand	25.		mg/l	10	2.7	1	04/23/18 20:35	04/23/18 22:56	44,410.4	TL
BOD, 5 day	3.0		mg/l	2.0	NA	1	04/21/18 12:55	04/26/18 07:20	121,5210B	RM
Total Organic Carbon	6.35		mg/l	1.00	0.228	2	-	04/23/18 10:06	121,5310C	AG
Phenolics, Total	ND		mg/l	0.030	0.006	1	04/25/18 19:29	04/26/18 00:01	4,420.1	ML
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/21/18 04:43	04/21/18 05:07	1,7196A	UN
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.009	1	-	04/21/18 20:14	44,300.0	JR
Chloride	60.8		mg/l	2.50	0.420	5	-	04/22/18 21:11	44,300.0	JR
Sulfate	16.8		mg/l	1.00	0.160	1	-	04/21/18 20:14	44,300.0	JR

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-09
Client ID: MW-220
Sample Location: NEW HAMPTON, NEW YORK
Sample Depth:
Matrix: Water

Date Collected: 04/20/18 10:00
Date Received: 04/20/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	85		A.P.C.U.	25	25.	5	-	04/21/18 04:11	121,2120B	MA
Alkalinity, Total	445.		mg CaCO3/L	2.00	NA	1	-	04/21/18 05:06	121,2320B	GD
Solids, Total Dissolved	670		mg/l	10	3.1	1	-	04/23/18 10:50	121,2540C	SD
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/22/18 14:00	04/23/18 11:36	1,9010C/9012B	LH
Nitrogen, Ammonia	0.065	J	mg/l	0.075	0.024	1	04/21/18 16:20	04/23/18 22:16	44,350.1	AT
Nitrogen, Nitrate	ND		mg/l	0.10	0.033	1	-	04/23/18 17:58	44,353.2	MR
Nitrogen, Total Kjeldahl	0.248	J	mg/l	0.300	0.066	1	04/21/18 15:00	04/23/18 20:47	4,351.3/.1 (M)	SD
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	04/23/18 20:35	04/23/18 22:56	44,410.4	TL
BOD, 5 day	ND		mg/l	2.0	NA	1	04/21/18 12:55	04/26/18 07:20	121,5210B	RM
Total Organic Carbon	2.63		mg/l	1.00	0.228	2	-	04/23/18 10:06	121,5310C	AG
Phenolics, Total	0.007	J	mg/l	0.030	0.006	1	04/25/18 19:29	04/26/18 00:04	4,420.1	ML
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/21/18 04:43	04/21/18 05:07	1,7196A	UN
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.009	1	-	04/21/18 21:02	44,300.0	JR
Chloride	13.7		mg/l	0.500	0.083	1	-	04/21/18 21:02	44,300.0	JR
Sulfate	158.		mg/l	5.00	0.800	5	-	04/22/18 21:23	44,300.0	JR

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-10
Client ID: MW-245S
Sample Location: NEW HAMPTON, NEW YORK
Sample Depth:
Matrix: Water

Date Collected: 04/20/18 11:45
Date Received: 04/20/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	42		A.P.C.U.	10	10.	2	-	04/21/18 04:11	121,2120B	MA
Alkalinity, Total	361.		mg CaCO3/L	2.00	NA	1	-	04/21/18 05:06	121,2320B	GD
Solids, Total Dissolved	720		mg/l	10	3.1	1	-	04/23/18 10:50	121,2540C	SD
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/22/18 14:00	04/23/18 11:37	1,9010C/9012B	LH
Nitrogen, Ammonia	0.140		mg/l	0.075	0.024	1	04/21/18 16:20	04/23/18 22:16	44,350.1	AT
Nitrogen, Nitrate	ND		mg/l	0.10	0.033	1	-	04/23/18 17:59	44,353.2	MR
Nitrogen, Total Kjeldahl	0.344		mg/l	0.300	0.066	1	04/21/18 15:00	04/23/18 20:47	4,351.3/.1 (M)	SD
Chemical Oxygen Demand	11.		mg/l	10	2.7	1	04/23/18 20:35	04/23/18 22:56	44,410.4	TL
BOD, 5 day	ND		mg/l	2.0	NA	1	04/21/18 12:55	04/26/18 07:20	121,5210B	RM
Total Organic Carbon	2.24		mg/l	1.00	0.228	2	-	04/23/18 10:06	121,5310C	AG
Phenolics, Total	0.007	J	mg/l	0.030	0.006	1	04/25/18 19:29	04/26/18 00:05	4,420.1	ML
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/21/18 04:43	04/21/18 05:08	1,7196A	UN
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.009	1	-	04/21/18 21:14	44,300.0	JR
Chloride	56.1		mg/l	2.50	0.420	5	-	04/22/18 21:35	44,300.0	JR
Sulfate	183.		mg/l	5.00	0.800	5	-	04/22/18 21:35	44,300.0	JR

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-11
Client ID: MW-245D
Sample Location: NEW HAMPTON, NEW YORK
Sample Depth:
Matrix: Water

Date Collected: 04/20/18 12:50
Date Received: 04/20/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	33		A.P.C.U.	5.0	5.0	1	-	04/21/18 04:11	121,2120B	MA
Alkalinity, Total	260.		mg CaCO3/L	2.00	NA	1	-	04/21/18 05:06	121,2320B	GD
Solids, Total Dissolved	470		mg/l	10	3.1	1	-	04/23/18 10:50	121,2540C	SD
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/22/18 14:00	04/23/18 11:42	1,9010C/9012B	LH
Nitrogen, Ammonia	5.75		mg/l	0.075	0.024	1	04/21/18 16:20	04/23/18 22:17	44,350.1	AT
Nitrogen, Nitrate	0.35		mg/l	0.10	0.033	1	-	04/23/18 18:00	44,353.2	MR
Nitrogen, Total Kjeldahl	5.93		mg/l	0.300	0.066	1	04/21/18 15:00	04/23/18 20:48	4,351.3/.1 (M)	SD
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	04/23/18 20:35	04/23/18 22:56	44,410.4	TL
BOD, 5 day	4.5		mg/l	2.0	NA	1	04/21/18 12:55	04/26/18 07:20	121,5210B	RM
Total Organic Carbon	1.11		mg/l	0.500	0.114	1	-	04/23/18 10:06	121,5310C	AG
Phenolics, Total	ND		mg/l	0.030	0.006	1	04/25/18 19:29	04/26/18 00:06	4,420.1	ML
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/21/18 04:43	04/21/18 05:08	1,7196A	UN
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.009	1	-	04/21/18 21:26	44,300.0	JR
Chloride	31.2		mg/l	0.500	0.083	1	-	04/21/18 21:26	44,300.0	JR
Sulfate	115.		mg/l	5.00	0.800	5	-	04/22/18 21:47	44,300.0	JR

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-12
Client ID: MH-7
Sample Location: NEW HAMPTON, NEW YORK
Sample Depth:
Matrix: Water

Date Collected: 04/20/18 13:45
Date Received: 04/20/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	380		A.P.C.U.	100	100	20	-	04/21/18 04:11	121,2120B	MA
Alkalinity, Total	2430		mg CaCO3/L	10.0	NA	5	-	04/21/18 05:06	121,2320B	GD
Solids, Total Dissolved	3400		mg/l	10	3.1	1	-	04/23/18 10:50	121,2540C	SD
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/22/18 14:00	04/23/18 11:43	1,9010C/9012B	LH
Nitrogen, Ammonia	429.		mg/l	3.75	1.20	50	04/21/18 16:20	04/23/18 22:32	44,350.1	AT
Nitrogen, Nitrate	0.062	J	mg/l	0.10	0.033	1	-	04/23/18 18:02	44,353.2	MR
Nitrogen, Total Kjeldahl	440.		mg/l	7.50	1.65	25	04/21/18 15:00	04/23/18 20:55	4,351.3/.1 (M)	SD
Chemical Oxygen Demand	600		mg/l	100	27.	10	04/23/18 20:35	04/23/18 22:56	44,410.4	TL
BOD, 5 day	68.		mg/l	20	NA	10	04/21/18 12:55	04/26/18 07:20	121,5210B	RM
Total Organic Carbon	168.		mg/l	40.0	9.12	80	-	04/23/18 10:06	121,5310C	AG
Phenolics, Total	0.008	J	mg/l	0.030	0.006	1	04/25/18 19:29	04/26/18 00:07	4,420.1	ML
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/21/18 04:43	04/21/18 05:08	1,7196A	UN
Anions by Ion Chromatography - Westborough Lab										
Bromide	8.71		mg/l	2.50	0.490	50	-	04/21/18 22:38	44,300.0	JR
Chloride	1260		mg/l	25.0	4.20	50	-	04/21/18 22:38	44,300.0	JR
Sulfate	54.2		mg/l	50.0	8.00	50	-	04/21/18 22:38	44,300.0	JR

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-13
Client ID: MH-15
Sample Location: NEW HAMPTON, NEW YORK
Sample Depth:
Matrix: Water

Date Collected: 04/20/18 14:30
Date Received: 04/20/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	90		A.P.C.U.	25	25.	5	-	04/21/18 04:11	121,2120B	MA
Alkalinity, Total	486.		mg CaCO3/L	2.00	NA	1	-	04/21/18 05:06	121,2320B	GD
Solids, Total Dissolved	540		mg/l	10	3.1	1	-	04/23/18 10:50	121,2540C	SD
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/22/18 14:00	04/23/18 11:44	1,9010C/9012B	LH
Nitrogen, Ammonia	20.2		mg/l	0.750	0.240	10	04/21/18 16:20	04/23/18 22:33	44,350.1	AT
Nitrogen, Nitrate	0.037	J	mg/l	0.10	0.033	1	-	04/23/18 18:03	44,353.2	MR
Nitrogen, Total Kjeldahl	22.0		mg/l	0.300	0.066	1	04/21/18 15:00	04/23/18 20:54	4,351.3/.1 (M)	SD
Chemical Oxygen Demand	46.		mg/l	10	2.7	1	04/23/18 20:35	04/23/18 22:57	44,410.4	TL
BOD, 5 day	17.		mg/l	5.0	NA	2.5	04/21/18 12:55	04/26/18 07:20	121,5210B	RM
Total Organic Carbon	18.3		mg/l	1.00	0.228	2	-	04/23/18 10:06	121,5310C	AG
Phenolics, Total	ND		mg/l	0.030	0.006	1	04/25/18 19:29	04/26/18 00:08	4,420.1	ML
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/21/18 04:43	04/21/18 05:08	1,7196A	UN
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.417		mg/l	0.100	0.019	2	-	04/22/18 22:47	44,300.0	JR
Chloride	64.9		mg/l	1.00	0.168	2	-	04/22/18 22:47	44,300.0	JR
Sulfate	4.31		mg/l	2.00	0.320	2	-	04/22/18 22:47	44,300.0	JR

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

SAMPLE RESULTS

Lab ID: L1813841-14
Client ID: DUP042018
Sample Location: NEW HAMPTON, NEW YORK
Sample Depth:
Matrix: Water

Date Collected: 04/20/18 00:00
Date Received: 04/20/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	80		A.P.C.U.	25	25.	5	-	04/21/18 04:11	121,2120B	MA
Alkalinity, Total	434.		mg CaCO3/L	2.00	NA	1	-	04/21/18 05:06	121,2320B	GD
Solids, Total Dissolved	670		mg/l	10	3.1	1	-	04/23/18 10:50	121,2540C	SD
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/22/18 14:00	04/23/18 11:45	1,9010C/9012B	LH
Nitrogen, Ammonia	0.068	J	mg/l	0.075	0.024	1	04/24/18 16:50	04/24/18 21:09	44,350.1	AT
Nitrogen, Nitrate	ND		mg/l	0.10	0.033	1	-	04/23/18 18:08	44,353.2	MR
Nitrogen, Total Kjeldahl	0.424		mg/l	0.300	0.066	1	04/21/18 15:00	04/23/18 20:51	4,351.3/.1 (M)	SD
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	04/23/18 20:35	04/23/18 22:57	44,410.4	TL
BOD, 5 day	ND		mg/l	2.0	NA	1	04/21/18 12:55	04/26/18 07:20	121,5210B	RM
Total Organic Carbon	2.67		mg/l	1.00	0.228	2	-	04/23/18 10:06	121,5310C	AG
Phenolics, Total	ND		mg/l	0.030	0.006	1	04/25/18 19:29	04/26/18 00:09	4,420.1	ML
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/21/18 04:43	04/21/18 05:09	1,7196A	UN
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.009	1	-	04/22/18 21:59	44,300.0	JR
Chloride	14.0		mg/l	0.500	0.083	1	-	04/22/18 21:59	44,300.0	JR
Sulfate	152.		mg/l	5.00	0.800	5	-	04/22/18 22:11	44,300.0	JR

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1108194-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/20/18 05:50	04/20/18 05:59	1,7196A	UN
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1108198-1										
Solids, Total Dissolved	ND		mg/l	10	3.1	1	-	04/20/18 12:10	121,2540C	DW
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1108257-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	04/20/18 06:30	121,2320B	BR
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1108272-1										
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	04/20/18 08:55	04/20/18 11:53	44,410.4	SD
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1108455-1										
Nitrogen, Nitrate	ND		mg/l	0.10	0.033	1	-	04/20/18 23:02	44,353.2	MR
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1108535-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	04/21/18 03:15	04/26/18 00:05	121,5210B	CW
General Chemistry - Westborough Lab for sample(s): 07-14 Batch: WG1108550-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	04/21/18 05:06	121,2320B	GD
General Chemistry - Westborough Lab for sample(s): 07-14 Batch: WG1108552-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/21/18 04:43	04/21/18 05:04	1,7196A	UN
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1108582-1										
Phenolics, Total	ND		mg/l	0.030	0.006	1	04/21/18 06:30	04/21/18 10:15	4,420.1	GD
General Chemistry - Westborough Lab for sample(s): 01-05,07-14 Batch: WG1108604-1										
Nitrogen, Total Kjeldahl	0.090	J	mg/l	0.300	0.022	1	04/21/18 15:00	04/23/18 20:25	4,351.3/.1 (M)	SD
General Chemistry - Westborough Lab for sample(s): 01-05,07-11 Batch: WG1108617-1										
Nitrogen, Ammonia	0.031	J	mg/l	0.075	0.024	1	04/21/18 16:20	04/23/18 22:00	44,350.1	AT
General Chemistry - Westborough Lab for sample(s): 12-13 Batch: WG1108618-1										
Nitrogen, Ammonia	0.053	J	mg/l	0.075	0.024	1	04/21/18 16:20	04/23/18 22:00	44,350.1	AT
General Chemistry - Westborough Lab for sample(s): 07-14 Batch: WG1108639-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	04/21/18 12:55	04/26/18 07:20	121,5210B	RM
Anions by Ion Chromatography - Westborough Lab for sample(s): 01-05 Batch: WG1108681-1										
Chloride	ND		mg/l	0.500	0.083	1	-	04/20/18 17:47	44,300.0	JR
Sulfate	0.740	J	mg/l	1.00	0.160	1	-	04/20/18 17:47	44,300.0	JR

Project Name: ORANGE COUNTY LANDFILL **Lab Number:** L1813841

Project Number: 2010-15 **Report Date:** 04/26/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01,03-05,07 Batch: WG1108743-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/22/18 14:00	04/23/18 11:15	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 08-14 Batch: WG1108744-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/22/18 14:00	04/23/18 11:12	1,9010C/9012B	LH
Anions by Ion Chromatography - Westborough Lab for sample(s): 01-05 Batch: WG1108754-1										
Bromide	ND		mg/l	0.050	0.009	1	-	04/21/18 16:02	44,300.0	JR
Anions by Ion Chromatography - Westborough Lab for sample(s): 07-12 Batch: WG1108755-1										
Bromide	ND		mg/l	0.050	0.009	1	-	04/21/18 16:02	44,300.0	JR
Chloride	ND		mg/l	0.500	0.083	1	-	04/21/18 16:02	44,300.0	JR
Sulfate	0.324	J	mg/l	1.00	0.160	1	-	04/21/18 16:02	44,300.0	JR
General Chemistry - Westborough Lab for sample(s): 07-14 Batch: WG1108821-1										
Solids, Total Dissolved	ND		mg/l	10	3.1	1	-	04/23/18 10:50	121,2540C	SD
General Chemistry - Westborough Lab for sample(s): 01-05,07-14 Batch: WG1108858-1										
Total Organic Carbon	ND		mg/l	0.500	0.114	1	-	04/23/18 10:06	121,5310C	AG
General Chemistry - Westborough Lab for sample(s): 07-14 Batch: WG1108940-1										
Nitrogen, Nitrate	ND		mg/l	0.10	0.033	1	-	04/23/18 17:10	44,353.2	MR
General Chemistry - Westborough Lab for sample(s): 02 Batch: WG1108963-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/23/18 16:25	04/24/18 10:50	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 07-14 Batch: WG1108987-1										
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	04/23/18 20:35	04/23/18 22:54	44,410.4	TL
Anions by Ion Chromatography - Westborough Lab for sample(s): 08-11,13-14 Batch: WG1109023-1										
Bromide	ND		mg/l	0.050	0.009	1	-	04/22/18 15:11	44,300.0	JR
Chloride	ND		mg/l	0.500	0.083	1	-	04/22/18 15:11	44,300.0	JR
Sulfate	0.229	J	mg/l	1.00	0.160	1	-	04/22/18 15:11	44,300.0	JR
General Chemistry - Westborough Lab for sample(s): 14 Batch: WG1109316-1										
Nitrogen, Ammonia	ND		mg/l	0.075	0.024	1	04/24/18 16:50	04/24/18 20:52	44,350.1	AT
General Chemistry - Westborough Lab for sample(s): 07-14 Batch: WG1109819-1										
Phenolics, Total	0.006	J	mg/l	0.030	0.006	1	04/25/18 19:29	04/25/18 23:54	4,420.1	ML

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1108194-2								
Chromium, Hexavalent	100		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1108198-2								
Solids, Total Dissolved	95		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1108257-2								
Alkalinity, Total	104		-		90-110	-		10
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1108272-2								
Chemical Oxygen Demand	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1108455-2								
Nitrogen, Nitrate	104		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1108535-2								
BOD, 5 day	90		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 07-14 Batch: WG1108550-2								
Alkalinity, Total	103		-		90-110	-		10

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07-14 Batch: WG1108552-2					
Chromium, Hexavalent	94	-	85-115	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1108582-2					
Phenolics, Total	82	-	70-130	-	
General Chemistry - Westborough Lab Associated sample(s): 01-05,07-14 Batch: WG1108604-2					
Nitrogen, Total Kjeldahl	98	-	78-122	-	
General Chemistry - Westborough Lab Associated sample(s): 01-05,07-11 Batch: WG1108617-2					
Nitrogen, Ammonia	100	-	90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 12-13 Batch: WG1108618-2					
Nitrogen, Ammonia	100	-	90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 07-14 Batch: WG1108639-2					
BOD, 5 day	88	-	85-115	-	20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-05 Batch: WG1108681-2					
Chloride	100	-	90-110	-	
Sulfate	97	-	90-110	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03-05,07 Batch: WG1108743-2 WG1108743-3					
Cyanide, Total	98	88	85-115	11	20
General Chemistry - Westborough Lab Associated sample(s): 08-14 Batch: WG1108744-2 WG1108744-3					
Cyanide, Total	98	88	85-115	11	20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-05 Batch: WG1108754-2					
Bromide	97	-	90-110	-	
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 07-12 Batch: WG1108755-2					
Bromide	97	-	90-110	-	
Chloride	99	-	90-110	-	
Sulfate	93	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 07-14 Batch: WG1108821-2					
Solids, Total Dissolved	96	-	80-120	-	
General Chemistry - Westborough Lab Associated sample(s): 01-05,07-14 Batch: WG1108858-2					
Total Organic Carbon	101	-	90-110	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07-14 Batch: WG1108940-2					
Nitrogen, Nitrate	102	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 02 Batch: WG1108963-2 WG1108963-3					
Cyanide, Total	93	92	85-115	1	20
General Chemistry - Westborough Lab Associated sample(s): 07-14 Batch: WG1108987-2					
Chemical Oxygen Demand	96	-	90-110	-	
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 08-11,13-14 Batch: WG1109023-2					
Bromide	98	-	90-110	-	
Chloride	98	-	90-110	-	
Sulfate	92	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 14 Batch: WG1109316-2					
Nitrogen, Ammonia	103	-	90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 07-14 Batch: WG1109819-2					
Phenolics, Total	92	-	70-130	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1108194-4 WG1108194-5 QC Sample: L1813841-01 Client ID: MW-233S												
Chromium, Hexavalent	ND	0.1	0.096	96		0.098	98		85-115	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1108257-4 QC Sample: L1813841-01 Client ID: MW-233S												
Alkalinity, Total	282.	100	349	**67**	Q	-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1108272-3 QC Sample: L1813841-01 Client ID: MW-233S												
Chemical Oxygen Demand	6.1J	47.6	50	105		-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1108455-4 QC Sample: L1813841-01 Client ID: MW-233S												
Nitrogen, Nitrate	13.	4	16	**75**	Q	-	-		83-113	-		6
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1108535-4 QC Sample: L1813841-01 Client ID: MW-233S												
BOD, 5 day	ND	100	73	73		-	-		50-145	-		35
General Chemistry - Westborough Lab Associated sample(s): 07-14 QC Batch ID: WG1108550-4 QC Sample: L1813841-13 Client ID: MH-15												
Alkalinity, Total	486.	100	578	92		-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 07-14 QC Batch ID: WG1108552-4 QC Sample: L1813841-07 Client ID: MW-3B												
Chromium, Hexavalent	ND	0.1	0.104	104		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1108582-4 QC Sample: L1813841-01 Client ID: MW-233S												
Phenolics, Total	ND	0.4	0.31	76		-	-		70-130	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-05,07-14 QC Batch ID: WG1108604-4 QC Sample: L1813841-01 Client ID: MW-233S												
Nitrogen, Total Kjeldahl	0.160J	16	12.1	**75**	Q	-	-		77-111	-		24

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05,07-11 QC Batch ID: WG1108617-4 QC Sample: L1813841-01 Client ID: MW-233S											
Nitrogen, Ammonia	0.098	4	3.91	95		-	-		90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 12-13 QC Batch ID: WG1108618-4 QC Sample: L1813394-01 Client ID: MS Sample											
Nitrogen, Ammonia	ND	4	3.92	98		-	-		90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 07-14 QC Batch ID: WG1108639-4 QC Sample: L1813841-07 Client ID: MW-3B											
BOD, 5 day	ND	100	96	96		-	-		50-145	-	35
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1108681-3 WG1108681-4 QC Sample: L1813841-01 Client ID: MW-233S											
Chloride	1.84	4	6.06	106		6.05	105		90-110	1	18
Sulfate	139.	200	338	100		335	98		90-110	1	20
General Chemistry - Westborough Lab Associated sample(s): 01,03-05,07 QC Batch ID: WG1108743-4 WG1108743-5 QC Sample: L1813841-01 Client ID: MW-233S											
Cyanide, Total	ND	0.2	0.176	88		0.190	95		80-120	8	20
General Chemistry - Westborough Lab Associated sample(s): 08-14 QC Batch ID: WG1108744-4 WG1108744-5 QC Sample: L1813841-10 Client ID: MW-245S											
Cyanide, Total	ND	0.2	0.188	94		0.189	94		80-120	1	20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1108754-3 WG1108754-4 QC Sample: L1813841-01 Client ID: MW-233S											
Bromide	ND	0.4	0.268	**67**	Q	0.283	**71**	Q	90-110	5	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15
Lab Number: L1813841
Report Date: 04/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 07-12 QC Batch ID: WG1108755-3 QC Sample: L1813841-12 Client ID: MH-7												
Bromide	8.71	20	26.2	**87**	Q	-	-		90-110	-		20
Chloride	1260	200	1490	**118**	Q	-	-		90-110	-		18
Sulfate	54.2	400	462	102		-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-05,07-14 QC Batch ID: WG1108858-4 QC Sample: L1813841-01 Client ID: MW-233S												
Total Organic Carbon	2.43	8	10.7	103		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 07-14 QC Batch ID: WG1108940-4 QC Sample: L1814122-01 Client ID: MS Sample												
Nitrogen, Nitrate	0.74	4	4.3	89		-	-		83-113	-		6
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1108963-4 WG1108963-5 QC Sample: L1814089-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.187	94		0.073	**37**	Q	80-120	**87**	Q	20
General Chemistry - Westborough Lab Associated sample(s): 07-14 QC Batch ID: WG1108987-3 QC Sample: L1813456-01 Client ID: MS Sample												
Chemical Oxygen Demand	6.1J	47.6	50	105		-	-		90-110	-		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 08-11,13-14 QC Batch ID: WG1109023-3 QC Sample: L1813841-13 Client ID: MH-15												
Bromide	0.417	0.8	1.13	**89**	Q	-	-		90-110	-		20
Chloride	64.9	8	73.0	101		-	-		90-110	-		18
Sulfate	4.31	16	20.6	102		-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 14 QC Batch ID: WG1109316-4 QC Sample: L1814157-01 Client ID: MS Sample												
Nitrogen, Ammonia	0.034J	4	4.04	101		-	-		90-110	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07-14 QC Batch ID: WG1109819-4 QC Sample: L1813841-07 Client ID: MW-3B									
Phenolics, Total	0.008J	0.4	0.33	82	-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1108194-3 QC Sample: L1813841-01 Client ID: MW-233S						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1108198-3 QC Sample: L1813841-01 Client ID: MW-233S						
Solids, Total Dissolved	500	500	mg/l	0		10
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1108218-1 QC Sample: L1813841-01 Client ID: MW-233S						
Color, Apparent	ND	ND	A.P.C.U.	NC		
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1108257-3 QC Sample: L1813841-01 Client ID: MW-233S						
Alkalinity, Total	282.	286	mg CaCO3/L	1		10
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1108272-4 QC Sample: L1813841-01 Client ID: MW-233S						
Chemical Oxygen Demand	6.1J	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1108455-3 QC Sample: L1813841-01 Client ID: MW-233S						
Nitrogen, Nitrate	13.	13	mg/l	0		6
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1108535-3 QC Sample: L1813841-01 Client ID: MW-233S						
BOD, 5 day	ND	ND	mg/l	NC		35
General Chemistry - Westborough Lab Associated sample(s): 07-14 QC Batch ID: WG1108548-1 QC Sample: L1813841-07 Client ID: MW-3B						
Color, Apparent	23.	23	A.P.C.U.	0		
General Chemistry - Westborough Lab Associated sample(s): 07-14 QC Batch ID: WG1108550-3 QC Sample: L1813841-13 Client ID: MH-15						
Alkalinity, Total	486.	497	mg CaCO3/L	2		10

Lab Duplicate Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07-14 QC Batch ID: WG1108552-3 QC Sample: L1813841-07 Client ID: MW-3B					
Chromium, Hexavalent	ND	ND	mg/l	NC	20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1108582-3 QC Sample: L1813841-01 Client ID: MW-233S					
Phenolics, Total	ND	ND	mg/l	NC	20
General Chemistry - Westborough Lab Associated sample(s): 01-05,07-14 QC Batch ID: WG1108604-3 QC Sample: L1813841-01 Client ID: MW-233S					
Nitrogen, Total Kjeldahl	0.160J	0.212J	mg/l	NC	24
General Chemistry - Westborough Lab Associated sample(s): 01-05,07-11 QC Batch ID: WG1108617-3 QC Sample: L1813841-01 Client ID: MW-233S					
Nitrogen, Ammonia	0.098	0.058J	mg/l	NC	20
General Chemistry - Westborough Lab Associated sample(s): 12-13 QC Batch ID: WG1108618-3 QC Sample: L1813394-01 Client ID: DUP Sample					
Nitrogen, Ammonia	ND	0.041J	mg/l	NC	20
General Chemistry - Westborough Lab Associated sample(s): 07-14 QC Batch ID: WG1108639-3 QC Sample: L1813841-07 Client ID: MW-3B					
BOD, 5 day	ND	ND	mg/l	NC	35
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 07-12 QC Batch ID: WG1108755-4 QC Sample: L1813841-12 Client ID: MH-7					
Bromide	8.71	8.57	mg/l	2	20
Chloride	1260	1260	mg/l	0	18
Sulfate	54.2	60.3	mg/l	11	20
General Chemistry - Westborough Lab Associated sample(s): 07-14 QC Batch ID: WG1108821-3 QC Sample: L1813793-01 Client ID: DUP Sample					
Solids, Total Dissolved	1300	1300	mg/l	0	10

Lab Duplicate Analysis
Batch Quality Control

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05,07-14 QC Batch ID: WG1108858-3 QC Sample: L1813841-01 Client ID: MW-233S					
Total Organic Carbon	2.43	2.50	mg/l	3	20
General Chemistry - Westborough Lab Associated sample(s): 07-14 QC Batch ID: WG1108940-3 QC Sample: L1814122-01 Client ID: DUP Sample					
Nitrogen, Nitrate	0.74	0.72	mg/l	3	6
General Chemistry - Westborough Lab Associated sample(s): 07-14 QC Batch ID: WG1108987-4 QC Sample: L1813456-01 Client ID: DUP Sample					
Chemical Oxygen Demand	6.1J	8.4J	mg/l	NC	20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 08-11,13-14 QC Batch ID: WG1109023-4 QC Sample: L1813841-13 Client ID: MH-15					
Bromide	0.417	0.416	mg/l	0	20
Chloride	64.9	64.5	mg/l	1	18
Sulfate	4.31	4.40	mg/l	2	20
General Chemistry - Westborough Lab Associated sample(s): 14 QC Batch ID: WG1109316-3 QC Sample: L1814157-01 Client ID: DUP Sample					
Nitrogen, Ammonia	0.034J	0.048J	mg/l	NC	20
General Chemistry - Westborough Lab Associated sample(s): 07-14 QC Batch ID: WG1109819-3 QC Sample: L1813841-07 Client ID: MW-3B					
Phenolics, Total	0.008J	ND	mg/l	NC	20

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent
E	Absent
F	Absent
G	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813841-01A	Vial unpreserved	B	NA		4.0	Y	Absent		NYTCL-8260(7)
L1813841-01A1	Vial unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260(7)
L1813841-01A2	Vial unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260(7)
L1813841-01B	Vial unpreserved	B	NA		4.0	Y	Absent		NYTCL-8260(7)
L1813841-01B1	Vial unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260(7)
L1813841-01B2	Vial unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260(7)
L1813841-01C	Vial unpreserved	B	NA		4.0	Y	Absent		NYTCL-8260(7)
L1813841-01C1	Vial unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260(7)
L1813841-01C2	Vial unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260(7)
L1813841-01D	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L1813841-01D1	Vial H2SO4 preserved	A	NA		2.6	Y	Absent		TOC-5310(28)
L1813841-01D2	Vial H2SO4 preserved	A	NA		2.6	Y	Absent		TOC-5310(28)
L1813841-01E	Vial H2SO4 preserved	B	NA		4.0	Y	Absent		TOC-5310(28)
L1813841-01E1	Vial H2SO4 preserved	A	NA		2.6	Y	Absent		TOC-5310(28)
L1813841-01E2	Vial H2SO4 preserved	A	NA		2.6	Y	Absent		TOC-5310(28)
L1813841-01F	Amber 120ml unpreserved	B	7	7	4.0	Y	Absent		COLOR-A-2120(2)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813841-01F1	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		COLOR-A-2120(2)
L1813841-01F2	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		COLOR-A-2120(2)
L1813841-01G	Plastic 250ml unpreserved/No Headspace	B	NA		4.0	Y	Absent		ALK-T-2320(14)
L1813841-01G1	Plastic 250ml unpreserved/No Headspace	A	NA		2.6	Y	Absent		ALK-T-2320(14)
L1813841-01G2	Plastic 250ml unpreserved/No Headspace	A	NA		2.6	Y	Absent		ALK-T-2320(14)
L1813841-01H	Plastic 250ml unpreserved	B	7	7	4.0	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-01H1	Plastic 500ml unpreserved	A	7	7	2.6	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-01H2	Plastic 500ml unpreserved	A	7	7	2.6	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-01I	Plastic 250ml unpreserved	B	7	7	4.0	Y	Absent		-
L1813841-01I1	Plastic 250ml unpreserved	A	7	7	2.6	Y	Absent		-
L1813841-01I2	Plastic 250ml unpreserved	A	7	7	2.6	Y	Absent		-
L1813841-01J	Plastic 250ml HNO3 preserved	B	<2	<2	4.0	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L1813841-01J1	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L1813841-01J2	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L1813841-01K	Plastic 250ml NaOH preserved	B	>12	>12	4.0	Y	Absent		TCN-9010(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813841-01K1	Plastic 250ml NaOH preserved	A	>12	>12	2.6	Y	Absent		TCN-9010(14)
L1813841-01K2	Plastic 250ml NaOH preserved	A	>12	>12	2.6	Y	Absent		TCN-9010(14)
L1813841-01L	Plastic 500ml H2SO4 preserved	B	<2	<2	4.0	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L1813841-01L1	Plastic 500ml H2SO4 preserved	A	<2	<2	2.6	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L1813841-01L2	Plastic 500ml H2SO4 preserved	A	<2	<2	2.6	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L1813841-01M	Plastic 950ml unpreserved	B	7	7	4.0	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-01M1	Plastic 500ml unpreserved	A	7	7	2.6	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-01M2	Plastic 500ml unpreserved	A	7	7	2.6	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-01N	Amber 1000ml H2SO4 preserved	B	<2	<2	4.0	Y	Absent		NY-TPHENOL-420(28)
L1813841-01N1	Amber 1000ml H2SO4 preserved	A	<2	<2	2.6	Y	Absent		NY-TPHENOL-420(28)
L1813841-01N2	Amber 1000ml H2SO4 preserved	A	<2	<2	2.6	Y	Absent		NY-TPHENOL-420(28)
L1813841-01X	Plastic 250ml HNO3 preserved Filtrates	B	NA		4.0	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1813841-02A	Vial unpreserved	C	NA		4.1	Y	Absent		NYTCL-8260(7)
L1813841-02B	Vial unpreserved	C	NA		4.1	Y	Absent		NYTCL-8260(7)
L1813841-02C	Vial unpreserved	C	NA		4.1	Y	Absent		NYTCL-8260(7)
L1813841-02D	Vial H2SO4 preserved	C	NA		4.1	Y	Absent		TOC-5310(28)
L1813841-02E	Vial H2SO4 preserved	C	NA		4.1	Y	Absent		TOC-5310(28)
L1813841-02F	Amber 120ml unpreserved	C	7	7	4.1	Y	Absent		COLOR-A-2120(2)
L1813841-02G	Plastic 250ml unpreserved/No Headspace	C	NA		4.1	Y	Absent		ALK-T-2320(14)
L1813841-02H	Plastic 250ml unpreserved	C	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-02I	Plastic 250ml unpreserved	C	7	7	4.1	Y	Absent		-

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813841-02J	Plastic 250ml HNO3 preserved	C	<2	<2	4.1	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L1813841-02K	Plastic 250ml NaOH preserved	C	>12	>12	4.1	Y	Absent		TCN-9010(14)
L1813841-02L	Plastic 500ml H2SO4 preserved	C	<2	<2	4.1	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L1813841-02M	Plastic 950ml unpreserved	C	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-02N	Amber 1000ml H2SO4 preserved	C	<2	<2	4.1	Y	Absent		NY-TPHENOL-420(28)
L1813841-02X	Plastic 250ml HNO3 preserved Filtrates	C	NA		4.1	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1813841-03A	Vial unpreserved	C	NA		4.1	Y	Absent		NYTCL-8260(7)
L1813841-03B	Vial unpreserved	C	NA		4.1	Y	Absent		NYTCL-8260(7)
L1813841-03C	Vial unpreserved	C	NA		4.1	Y	Absent		NYTCL-8260(7)
L1813841-03D	Vial H2SO4 preserved	C	NA		4.1	Y	Absent		TOC-5310(28)
L1813841-03E	Vial H2SO4 preserved	C	NA		4.1	Y	Absent		TOC-5310(28)
L1813841-03F	Amber 120ml unpreserved	C	7	7	4.1	Y	Absent		COLOR-A-2120(2)
L1813841-03G	Plastic 250ml unpreserved/No Headspace	C	NA		4.1	Y	Absent		ALK-T-2320(14)
L1813841-03H	Plastic 250ml unpreserved	C	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-03I	Plastic 250ml unpreserved	C	7	7	4.1	Y	Absent		-
L1813841-03J	Plastic 250ml HNO3 preserved	C	<2	<2	4.1	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813841-03K	Plastic 250ml NaOH preserved	C	>12	>12	4.1	Y	Absent		TCN-9010(14)
L1813841-03L	Plastic 500ml H2SO4 preserved	C	<2	<2	4.1	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L1813841-03M	Plastic 950ml unpreserved	C	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-03N	Amber 1000ml H2SO4 preserved	C	<2	<2	4.1	Y	Absent		NY-TPHENOL-420(28)
L1813841-03X	Plastic 250ml HNO3 preserved Filtrates	C	NA		4.1	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1813841-04A	Vial unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260(7)
L1813841-04B	Vial unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260(7)
L1813841-04C	Vial unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260(7)
L1813841-04D	Vial H2SO4 preserved	A	NA		2.6	Y	Absent		TOC-5310(28)
L1813841-04E	Vial H2SO4 preserved	A	NA		2.6	Y	Absent		TOC-5310(28)
L1813841-04F	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		COLOR-A-2120(2)
L1813841-04G	Plastic 250ml unpreserved/No Headspace	A	NA		2.6	Y	Absent		ALK-T-2320(14)
L1813841-04H	Plastic 250ml unpreserved	A	7	7	2.6	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-04J	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L1813841-04K	Plastic 250ml NaOH preserved	A	>12	>12	2.6	Y	Absent		TCN-9010(14)
L1813841-04L	Plastic 500ml H2SO4 preserved	A	<2	<2	2.6	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L1813841-04M	Plastic 950ml unpreserved	A	7	7	2.6	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-04N	Amber 1000ml H2SO4 preserved	A	<2	<2	2.6	Y	Absent		NY-TPHENOL-420(28)

*Values in parentheses indicate holding time in days

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813841-05A	Vial unpreserved	C	NA		4.1	Y	Absent		NYTCL-8260(7)
L1813841-05B	Vial unpreserved	C	NA		4.1	Y	Absent		NYTCL-8260(7)
L1813841-05C	Vial unpreserved	C	NA		4.1	Y	Absent		NYTCL-8260(7)
L1813841-05D	Vial H2SO4 preserved	C	NA		4.1	Y	Absent		TOC-5310(28)
L1813841-05E	Vial H2SO4 preserved	C	NA		4.1	Y	Absent		TOC-5310(28)
L1813841-05F	Amber 120ml unpreserved	C	7	7	4.1	Y	Absent		COLOR-A-2120(2)
L1813841-05G	Plastic 250ml unpreserved/No Headspace	C	NA		4.1	Y	Absent		ALK-T-2320(14)
L1813841-05H	Plastic 250ml unpreserved	C	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-05J	Plastic 250ml HNO3 preserved	C	<2	<2	4.1	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L1813841-05K	Plastic 250ml NaOH preserved	C	>12	>12	4.1	Y	Absent		TCN-9010(14)
L1813841-05L	Plastic 500ml H2SO4 preserved	C	<2	<2	4.1	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L1813841-05M	Plastic 950ml unpreserved	C	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-05N	Amber 1000ml H2SO4 preserved	C	<2	<2	4.1	Y	Absent		NY-TPHENOL-420(28)
L1813841-06A	Vial HCl preserved	C	NA		4.1	Y	Absent		NYTCL-8260(14)
L1813841-06B	Vial HCl preserved	C	NA		4.1	Y	Absent		NYTCL-8260(14)
L1813841-07A	Vial unpreserved	E	NA		4.1	Y	Absent		NYTCL-8260(7)
L1813841-07B	Vial unpreserved	E	NA		4.1	Y	Absent		NYTCL-8260(7)
L1813841-07C	Vial unpreserved	E	NA		4.1	Y	Absent		NYTCL-8260(7)
L1813841-07D	Vial H2SO4 preserved	E	NA		4.1	Y	Absent		TOC-5310(28)
L1813841-07E	Vial H2SO4 preserved	E	NA		4.1	Y	Absent		TOC-5310(28)

*Values in parentheses indicate holding time in days

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813841-07F	Plastic 250ml HNO3 preserved	E	<2	<2	4.1	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),B-TI(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-TI(180),CA-TI(180),CO-6020T(180),HARDT(180)
L1813841-07G	Plastic 250ml unpreserved	E	7	7	4.1	Y	Absent		-
L1813841-07H	Plastic 250ml unpreserved/No Headspace	E	NA		4.1	Y	Absent		ALK-T-2320(14)
L1813841-07I	Plastic 250ml unpreserved	E	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-07J	Amber 250ml unpreserved	E	7	7	4.1	Y	Absent		COLOR-A-2120(2)
L1813841-07K	Plastic 250ml NaOH preserved	E	>12	>12	4.1	Y	Absent		TCN-9010(14)
L1813841-07L	Plastic 500ml H2SO4 preserved	E	<2	<2	4.1	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L1813841-07M	Amber 1000ml H2SO4 preserved	E	<2	<2	4.1	Y	Absent		NY-TPHENOL-420(28)
L1813841-07N	Plastic 950ml unpreserved	E	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-07X	Plastic 250ml HNO3 preserved Filtrates	E	NA		4.1	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1813841-08A	Vial unpreserved	E	NA		4.1	Y	Absent		NYTCL-8260(7)
L1813841-08B	Vial unpreserved	E	NA		4.1	Y	Absent		NYTCL-8260(7)
L1813841-08C	Vial unpreserved	E	NA		4.1	Y	Absent		NYTCL-8260(7)
L1813841-08D	Vial H2SO4 preserved	E	NA		4.1	Y	Absent		TOC-5310(28)
L1813841-08E	Vial H2SO4 preserved	E	NA		4.1	Y	Absent		TOC-5310(28)

*Values in parentheses indicate holding time in days

Project Name: ORANGE COUNTY LANDFILL
Project Number: 2010-15

Lab Number: L1813841
Report Date: 04/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813841-08F	Plastic 250ml HNO3 preserved	E	<2	<2	4.1	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),B-TI(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-TI(180),CA-TI(180),CO-6020T(180),HARDT(180)
L1813841-08H	Plastic 250ml unpreserved/No Headspace	E	NA		4.1	Y	Absent		ALK-T-2320(14)
L1813841-08I	Plastic 250ml unpreserved	E	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-08J	Amber 250ml unpreserved	E	7	7	4.1	Y	Absent		COLOR-A-2120(2)
L1813841-08K	Plastic 250ml NaOH preserved	E	>12	>12	4.1	Y	Absent		TCN-9010(14)
L1813841-08L	Plastic 500ml H2SO4 preserved	E	<2	<2	4.1	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L1813841-08M	Amber 1000ml H2SO4 preserved	E	<2	<2	4.1	Y	Absent		NY-TPHENOL-420(28)
L1813841-08N	Plastic 950ml unpreserved	E	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-09A	Vial unpreserved	F	NA		3.6	Y	Absent		NYTCL-8260(7)
L1813841-09B	Vial unpreserved	F	NA		3.6	Y	Absent		NYTCL-8260(7)
L1813841-09C	Vial unpreserved	F	NA		3.6	Y	Absent		NYTCL-8260(7)
L1813841-09D	Vial H2SO4 preserved	F	NA		3.6	Y	Absent		TOC-5310(28)
L1813841-09E	Vial H2SO4 preserved	F	NA		3.6	Y	Absent		TOC-5310(28)
L1813841-09F	Plastic 250ml HNO3 preserved	F	<2	<2	3.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),B-TI(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-TI(180),CA-TI(180),CO-6020T(180),HARDT(180)
L1813841-09G	Plastic 250ml unpreserved	F	7	7	3.6	Y	Absent		-
L1813841-09H	Plastic 250ml unpreserved/No Headspace	F	NA		3.6	Y	Absent		ALK-T-2320(14)
L1813841-09I	Plastic 250ml unpreserved	F	7	7	3.6	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-09J	Amber 250ml unpreserved	F	7	7	3.6	Y	Absent		COLOR-A-2120(2)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813841-09K	Plastic 250ml NaOH preserved	F	>12	>12	3.6	Y	Absent		TCN-9010(14)
L1813841-09L	Plastic 500ml H2SO4 preserved	F	<2	<2	3.6	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L1813841-09M	Amber 1000ml H2SO4 preserved	F	<2	<2	3.6	Y	Absent		NY-TPHENOL-420(28)
L1813841-09N	Plastic 950ml unpreserved	F	7	7	3.6	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-09X	Plastic 250ml HNO3 preserved Filtrates	F	NA		3.6	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1813841-10A	Vial unpreserved	D	NA		2.7	Y	Absent		NYTCL-8260(7)
L1813841-10B	Vial unpreserved	D	NA		2.7	Y	Absent		NYTCL-8260(7)
L1813841-10C	Vial unpreserved	D	NA		2.7	Y	Absent		NYTCL-8260(7)
L1813841-10D	Vial H2SO4 preserved	D	NA		2.7	Y	Absent		TOC-5310(28)
L1813841-10E	Vial H2SO4 preserved	D	NA		2.7	Y	Absent		TOC-5310(28)
L1813841-10F	Plastic 250ml HNO3 preserved	D	<2	<2	2.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),B-TI(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-TI(180),CA-TI(180),CO-6020T(180),HARDT(180)
L1813841-10G	Plastic 250ml unpreserved	D	7	7	2.7	Y	Absent		-
L1813841-10H	Plastic 250ml unpreserved/No Headspace	D	NA		2.7	Y	Absent		ALK-T-2320(14)
L1813841-10I	Plastic 250ml unpreserved	D	7	7	2.7	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-10J	Amber 250ml unpreserved	D	7	7	2.7	Y	Absent		COLOR-A-2120(2)
L1813841-10K	Plastic 250ml NaOH preserved	D	>12	>12	2.7	Y	Absent		TCN-9010(14)
L1813841-10L	Plastic 500ml H2SO4 preserved	D	<2	<2	2.7	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L1813841-10M	Amber 1000ml H2SO4 preserved	D	<2	<2	2.7	Y	Absent		NY-TPHENOL-420(28)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813841-10N	Plastic 950ml unpreserved	D	7	7	2.7	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-10X	Plastic 250ml HNO3 preserved Filtrates	D	NA		2.7	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1813841-11A	Vial unpreserved	D	NA		2.7	Y	Absent		NYTCL-8260(7)
L1813841-11B	Vial unpreserved	D	NA		2.7	Y	Absent		NYTCL-8260(7)
L1813841-11D	Vial H2SO4 preserved	D	NA		2.7	Y	Absent		TOC-5310(28)
L1813841-11E	Vial H2SO4 preserved	D	NA		2.7	Y	Absent		TOC-5310(28)
L1813841-11F	Plastic 250ml HNO3 preserved	D	<2	<2	2.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),B-TI(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-TI(180),CA-TI(180),CO-6020T(180),HARDT(180)
L1813841-11G	Plastic 250ml unpreserved	D	7	7	2.7	Y	Absent		-
L1813841-11H	Plastic 250ml unpreserved/No Headspace	D	NA		2.7	Y	Absent		ALK-T-2320(14)
L1813841-11I	Plastic 250ml unpreserved	D	7	7	2.7	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-11J	Amber 250ml unpreserved	D	7	7	2.7	Y	Absent		COLOR-A-2120(2)
L1813841-11K	Plastic 250ml NaOH preserved	D	>12	>12	2.7	Y	Absent		TCN-9010(14)
L1813841-11L	Plastic 500ml H2SO4 preserved	D	<2	<2	2.7	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L1813841-11M	Amber 1000ml H2SO4 preserved	D	<2	<2	2.7	Y	Absent		NY-TPHENOL-420(28)
L1813841-11N	Plastic 950ml unpreserved	D	7	7	2.7	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)

*Values in parentheses indicate holding time in days

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Project Number: 2010-15

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813841-11X	Plastic 250ml HNO3 preserved Filtrates	D	NA		2.7	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1813841-12A	Vial unpreserved	G	NA		2.4	Y	Absent		NYTCL-8260(7)
L1813841-12B	Vial unpreserved	G	NA		2.4	Y	Absent		NYTCL-8260(7)
L1813841-12C	Vial unpreserved	G	NA		2.4	Y	Absent		NYTCL-8260(7)
L1813841-12D	Vial H2SO4 preserved	G	NA		2.4	Y	Absent		TOC-5310(28)
L1813841-12E	Vial H2SO4 preserved	G	NA		2.4	Y	Absent		TOC-5310(28)
L1813841-12F	Plastic 250ml HNO3 preserved	G	4	<2	2.4	N	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),B-TI(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-TI(180),CA-TI(180),CO-6020T(180),HARDT(180)
L1813841-12H	Plastic 250ml unpreserved/No Headspace	G	NA		2.4	Y	Absent		ALK-T-2320(14)
L1813841-12I	Plastic 250ml unpreserved	G	7	7	2.4	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-12J	Amber 250ml unpreserved	G	7	7	2.4	Y	Absent		COLOR-A-2120(2)
L1813841-12K	Plastic 250ml NaOH preserved	G	>12	>12	2.4	Y	Absent		TCN-9010(14)
L1813841-12L	Plastic 500ml H2SO4 preserved	G	<2	<2	2.4	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L1813841-12M	Amber 1000ml H2SO4 preserved	G	<2	<2	2.4	Y	Absent		NY-TPHENOL-420(28)
L1813841-12N	Plastic 950ml unpreserved	G	7	7	2.4	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-13A	Vial unpreserved	G	NA		2.4	Y	Absent		NYTCL-8260(7)
L1813841-13B	Vial unpreserved	G	NA		2.4	Y	Absent		NYTCL-8260(7)
L1813841-13C	Vial unpreserved	G	NA		2.4	Y	Absent		NYTCL-8260(7)
L1813841-13D	Vial H2SO4 preserved	G	NA		2.4	Y	Absent		TOC-5310(28)
L1813841-13E	Vial H2SO4 preserved	G	NA		2.4	Y	Absent		TOC-5310(28)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813841-13F	Plastic 250ml HNO3 preserved	G	<2	<2	2.4	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),B-TI(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-TI(180),CA-TI(180),CO-6020T(180),HARDT(180)
L1813841-13H	Plastic 250ml unpreserved/No Headspace	G	NA		2.4	Y	Absent		ALK-T-2320(14)
L1813841-13I	Plastic 250ml unpreserved	G	7	7	2.4	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-13J	Amber 250ml unpreserved	G	7	7	2.4	Y	Absent		COLOR-A-2120(2)
L1813841-13K	Plastic 250ml NaOH preserved	G	>12	>12	2.4	Y	Absent		TCN-9010(14)
L1813841-13L	Plastic 500ml H2SO4 preserved	G	<2	<2	2.4	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L1813841-13M	Amber 1000ml H2SO4 preserved	G	<2	<2	2.4	Y	Absent		NY-TPHENOL-420(28)
L1813841-13N	Plastic 950ml unpreserved	G	7	7	2.4	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-14A	Vial unpreserved	F	NA		3.6	Y	Absent		NYTCL-8260(7)
L1813841-14B	Vial unpreserved	F	NA		3.6	Y	Absent		NYTCL-8260(7)
L1813841-14C	Vial unpreserved	F	NA		3.6	Y	Absent		NYTCL-8260(7)
L1813841-14D	Vial H2SO4 preserved	F	NA		3.6	Y	Absent		TOC-5310(28)
L1813841-14E	Vial H2SO4 preserved	F	NA		3.6	Y	Absent		TOC-5310(28)
L1813841-14F	Plastic 250ml HNO3 preserved	F	<2	<2	3.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),B-TI(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-TI(180),CA-TI(180),CO-6020T(180),HARDT(180)
L1813841-14G	Plastic 250ml unpreserved	F	7	7	3.6	Y	Absent		-
L1813841-14H	Plastic 250ml unpreserved/No Headspace	F	NA		3.6	Y	Absent		ALK-T-2320(14)
L1813841-14I	Plastic 250ml unpreserved	F	7	7	3.6	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-14J	Amber 250ml unpreserved	F	7	7	3.6	Y	Absent		COLOR-A-2120(2)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813841-14K	Plastic 250ml NaOH preserved	F	>12	>12	3.6	Y	Absent		TCN-9010(14)
L1813841-14L	Plastic 500ml H2SO4 preserved	F	<2	<2	3.6	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L1813841-14M	Amber 1000ml H2SO4 preserved	F	<2	<2	3.6	Y	Absent		NY-TPHENOL-420(28)
L1813841-14N	Plastic 950ml unpreserved	F	7	7	3.6	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L1813841-14X	Plastic 250ml HNO3 preserved Filtrates	F	NA		3.6	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

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GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

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Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

4 Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. Revised March 1983.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 4/19/18

ALPHA Job #: L1813841

Project Information

Project Name: ORANGE COUNTY LANDFILL
Project Location: NEW HAMPTON, NEW YORK
Project #: 2010-15
(Use Project name as Project #) ☐
Project Manager: CANDACE FOX
ALPHAQuote #:

Client Information

Client: STERLING ENVIRONMENTAL
Address: 24 WADE ROAD
LATHAM, NEW YORK
Phone: 518-456-4900
Fax: N/A
Email: SEE BELOW

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other PART 360 BASELINE '88 PARAMETERS
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
STEFAN.TRUEX@STERLINGENVIRONMENTAL.COM
MARK.WILLIAMS@STERLINGENVIRONMENTAL.COM

Please specify Metals or TAL.

Sample Filtration: ☐ Done ☐ Lab to do
Preservation: ☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TOC	T-PHENOL	WET CHEMISTRY BOD, TDS, SO4, BR, CL, NO3, BOD, COLOR, HCX	TOTAL METALS ('88)	NH3, TKN, COD	ALKALINITY	TOC VOCS (BASELINE '88)	DISSOLVED METALS	Sample Specific Comments	Total Bottles
13841-01	MW-233S	4/19/18	11²⁰AM	GW	ST	X	X	X	X	X	X	X	X		14
-01	MW-233S MS	4/19/18	11²⁵AM	GW	ST	X	X	X	X	X	X	X	X		14
-01	MW-233S MSD	4/19/18	11³⁵AM	GW	ST	X	X	X	X	X	X	X	X		14
-02	MW-233D	4/19/18	12³⁰pm	GW	ST	X	X	X	X	X	X	X	X		14
-03	PZ-4	4/19/18	15¹⁰	GW	ST	X	X	X	X	X	X	X	X		14
-04	SW-5	4/19/18	15¹⁵	SW	ST	X	X	X	X	X	X	X			13
-05	SW-13	4/19/18	15²⁵	SW	ST	X	X	X	X	X	X	X			13
-06	TB041918													TRIP BLANK VOCS ONLY	2

	TOC	T-PHENOL	WET CHEMISTRY	TOTAL METALS	NH3, TKN, COD	ALKALINITY	TOC VOCS	DISSOLVED METALS
Container Type	V	A	P	P	P	P	V	P
Preservative	D	D	A	C	D	A	A	A

Preservative Code: A = None, B = HCl, C = HNO_3, D = H_2SO_4, E = NaOH, F = MeOH, G = $NaHSO_4$, H = $Na_2S_2O_3$, K/E = Zn Ac/NaOH, O = Other

Container Code: P = Plastic, A = Amber Glass, V = Vial, G = Glass, B = Bacteria Cup, C = Cube, O = Other, E = Encore, D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/19/18 1610	[signature] AAL	4/19/18 1610
[signature] AAL	4/19/18 1715	[signature]	4/19/18 17:35
[signature]	4/19/18 23:45	[signature]	4/19/18 23:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 4/21/18

ALPHA Job #: L1813841

Client Information

Client: STERLING ENVIRONMENTAL
Address: 74 WADE ROAD, LATHAM, NEW YORK
Phone: 518-456-4900
Fax: See Below
Email: See Below

Project Information

Project Name: ORANGE COUNTY LANDFILL
Project Location: NEW HAMPTON, NEW YORK
Project # 2010-15
(Use Project name as Project #) ☐
Project Manager: CANDACE FOX
ALPHAQuote #: N/A

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other PART 360 BASELINE 88 PARAMETERS
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
MARK WILLIAMS @ STERLING ENVIRONMENTAL.COM
STEFAN TREX @ STERLING ENVIRONMENTAL.COM

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TOC	T-PHENOL	WET CHEMISTRY (BOD, TOC, SO4, Cl, NO3, COD, HEX)	TOTAL METALS (88)	NH3, TKN, COD	ALKALINITY	TDC/VOCs (BASELINE 88)	DISSOLVED METALS	Sample Specific Comments	Total Bottle
13841-07	MW-3B	4/20/18	8:33 AM	GW	ST	X	X	X	X	X	X	X	X		14
08	SW-8	4/20/18	8:50 AM	SW	ST	X	X	X	X	X	X	X			13
09	MW-220	4/20/18	10:05 AM	GW	ST	X	X	X	X	X	X	X	X		14
10	MW-245S	4/20/18	11:45 AM	GW	ST	X	X	X	X	X	X	X	X		14
11	MW-245D	4/20/18	12:30 PM	GW	ST	X	X	X	X	X	X	X	X		14
12	MH-7	4/20/18	13:45	WATER	ST	X	X	X	X	X	X	X			13
13	MH-15	4/20/18	14:30	WATER	ST	X	X	X	X	X	X	X			13
14	DUP042018	4/20/18		WATER	ST	X	X	X	X	X	X	X	X		14
15	TB042018	4/20/18		WATER										VOCs ONLY (BASELINE 88)	2

Container Type: V A P P P P V P
Preservative: D D A C D A A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	4/20/18 1800		4/20/18 1800
			4/21/18 0105

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FORM NO: 01-01 (rev. 30-Sept-2013)