Former Jameco Industries Site WYANDANCH, SUFFOLK COUNTY, NEW YORK

Periodic Review Report

NYSDEC Site Number: #1-52-006



Linzer Corporation 248 Wyandanch Avenue West Babylon, New York

Prepared by:

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PERIODIC REVIEW REPORT

1.0 EXECUTIVE SUMMARY

Goldman Environmental Consultants, Inc. (GEC) of Braintree, Massachusetts has been retained by the Linzer Corporation, to prepare the following Periodic Review Report (PRR) for site ("Site") located at 248 Wyandanch Avenue, Wyandanch, New York. A PRR is required for sites in active Site Management (SM) with the New York State Department of Environmental Conservation (NYSDEC) as promulgated in Section 6.3(b) of DER-10. This PRR covers the reporting period of May 31, 2015 to May 31, 2016 and concerns site specific SM requirements as described in the Site Management Plan (SMP), dated July 27, 2009, prepared by GEC and approved by the NYSDEC and addendum to the SMP requested and approved by the NYSDEC on March 31, 2016. The approved addendum indicated that due to the consistent nature of reported concentrations of metals and PAHs the frequency of sampling can be reduced from a semi-annual event to an annual groundwater monitoring event. Site inspections will continue to be conducted on a semi-annual basis.

Summary

The Site (#1-52-006) consists of approximately 9.35 +/- acres and is located in a mixed industrial/commercial/residential area. The Site is improved with a single-story concrete block building surrounded by paved and unpaved parking and storage areas as well as landscaped areas. A Site Locus is included as Figure 1 and a Site Plan is included as Figure 2. The Site is currently owned and occupied by Linzer Products, Inc. (Linzer), a manufacturer of painting industry products. Linzer has occupied the Site since early 1999. Prior to 1999, Jameco Industries (Jameco) occupied the property. Jameco used the Site to manufacture plumbing fixtures, some of which involved plating parts with chrome and nickel.

The environmental conditions at the Site are broken down into five Areas of Concern (AOC). Elevated concentrations of metals and volatile organic compounds (VOCs) from plating activities and process wastewater discharges were measured across several portions of the Site in areas identified as AOC-1, AOC-2, AOC-3, and AOC-5. Polycyclic Aromatic Hydrocarbons (PAHs) from a release of cutting oil were detected in the northern portion of the Site identified as AOC-4.

Remedial activities conducted at the Site were completed in January 2008 and summarized in the August 2011 Final Engineering Report prepared by GEC. They included the closure of the concrete leaching pool structures, the removal of contaminated soils, in-situ solidification/stabilization of metals in soils, and the implementation of Institutional Controls /

Engineered Controls (IC/EC) as described in an Environmental Easement (EE) prepared for the Site and executed by the current owner, Linzer. Currently the remedial program consists of long-term groundwater monitoring and the inspection of the five AOCs with respect to the SMP, dated July 27, 2009, and the Soil Management Plan, dated January 22, 2009.

Effectiveness of the Remedial Program

Generally, the remedial program has proven effective with regards to fulfilling the remediation goals put forth in the SMP. For one or more monitoring wells, only slightly elevated concentrations of nickel and copper, which exceed the NYSDEC Class GA Groundwater Standard, remain in groundwater at the Site. Analytical results for the semiannual sampling events conducted in April 2016 indicate steady state conditions for the monitored parameters and continue to be below concentrations observed prior to conducting remedial actions in 2006.

During the 2015/2016 monitoring period GEC noted no significant change in the concentrations of metals except for nickel. Concentration of nickel in 5 of the 7 groundwater samples analyzed for nickel had concentrations greater than the previous sampling round conducted in April 2015. Although reported nickel concentrations are slightly elevated, concentration are generally within historical ranges. MW-5R had the highest reported concentration of nickel since March 2013. In addition, MW-4 had the lowest reported concentration of nickel since the start of groundwater monitoring at the Site. The increases are likely attributable to seasonal variations. Concentrations of copper and chromium remain within the historical ranges with only slight fluctuations from the previous monitoring period.

As observed historically, detected concentrations of nickel at MW-2, MW-4, MW-5R and MW-12 exceeded the NYSDEC Class GA Groundwater Standard in groundwater samples collected during the annual sampling event conducted on April 20, 2016. In addition, as observed historically, reported concentrations of copper at MW-12 exceeded the NYSDEC Class GA Groundwater Standard in groundwater samples collected during the annual sampling event.

During this monitoring period MW-19 and MW-20 were not sampled due to the presence of 0.03 feet of LNAPL (MW-19) and a damaged road box preventing opening (MW-20). The laboratory reported a flagged concentration of dimethyl phthalate in both MW-21 and MW-23. These results were flagged by the lab because this compound was also detected in the method blank. Dimethyl Phthalate has not been detected in any groundwater sample collected historically at the Site, therefore it is unlikely that this compound is present at the Site. This was the only detection of any PAH in groundwater samples submitted for analysis and no concentration exceeded the NYSDEC Class GA Groundwater Standard.

Compliance

GEC has not identified any non-compliance issues with the groundwater sampling

program, SMP, or the IC/EC described in the EE. On January 23, 2012, the NYSDEC notified Linzer that all remediation work required at the Jameco site has been completed and it has reclassified the Site as a Class 4 environmental site. As such, Watts (the previous PRP) has addressed the "existing OHM condition" and fulfilled its obligation as required in the Purchase and Sale agreement with Linzer. Under the EE that Linzer entered with NYSDEC on August 2, 2012, Linzer assumed all of the remaining obligations under the NYSDEC-approved Site Management Plan, which includes periodic inspections, monitoring and PRRs to the NYSDEC. In a letter dated May 16, 2012, Linzer had agreed to take over the responsibility for the remaining periodic inspections, monitoring and reporting as outlined in the SMP. As such, all future inspections, monitoring and reporting will be undertaken by Linzer.

Recommendations

GEC will continue with the recently approved addendum to the frequency of monitoring events. Groundwater monitoring and an IC/EC inspection will take place in April of each year and an IC/EC inspection will also take place in September of each year.

GEC is recommending that the MW-20 road box be repaired prior to the next monitoring event in April 2017.

2.0 SITE OVERVIEW

The site is located in the County of Suffolk, New York and is identified as Block 02 and Lots 73.1 and 37.6 on the Suffolk County Tax Map, Parcel Numbers District 0100, Section 82.00. The 9.35 ± acre (Parcels 1 and 3) site is located with in a mixed industrial/commercial/residential area bounded by Wyandanch Avenue to the north, Rockland Avenue to the east, Mount Avenue to the west-southwest, and residential properties to the south-southeast. Refer to Figure 2 for a site plan depicting the boundaries of the Site.

The following paragraphs briefly describe the nature and extent of soil contamination prior to site remediation. Refer to Figure 2 for a site plan depicting the location of all five AOCs.

AOC - 1 is located to the east-southeast of the building directly east of the current loading dock area. A seepage lagoon was formerly located within this area where four heavy metals: chromium, nickel, copper and zinc, came to be deposited at levels exceeding relevant standards, criteria, and guidance (SCGs) in soil as a result of former wastewater treatment practices. All four metals were also detected in groundwater downgradient of AOC-1; however, only nickel was detected above SCGs.

AOC - 2 is located inside the former Jameco facility near the center of the building and was formerly a degreasing area. Elevated concentrations of VOCs (i.e., trichloroethene (TCE),

1,2-dichloroethene (1,2-DCE) and tetrachloroethene (PCE)) were detected above SCGs in soil and groundwater in this area.

AOC - 3 is a square area extending southward from the southern property line where forty-eight leaching chambers were formerly located that received treated process water discharge. Four heavy metals including chromium, nickel, copper and zinc came to be deposited in soil during the leaching process. Moderate to elevated concentrations of metals above SCGs were detected in soils in this area. Low to moderate concentrations of metals above SCGs were also detected in groundwater within the former leaching pool area.

AOC - 4 is located both beneath and in front of the building's north side where machine cutting oil was discharged to a leaching pool system. As a result, both soil and groundwater in the area were impacted by the presence of LNAPL and PAHs.

AOC - 5 is located inside the former Jameco facility near the center of the building and was formerly a metal plating shop. Metals including chromium, nickel, copper and zinc were detected in soil at concentrations exceeding SCGs. In groundwater, chromium, copper, and zinc were detected at concentrations above SCGs.

In December 1983, NYSDEC listed the Site as a Class 2a site. Then in May 1992 the NYSDEC reclassified the Site to Class 2; however, after a petition from Jameco Industries, Inc. the Site was reclassified to Class 4 in February 1993. Following additional investigations the Site was reclassified back to Class 2 in February 1996. The NYSDEC issued a Record of Decision (ROD) for the Site dated March 2003. GEC recommended amendments to the ROD based on the results of supplemental subsurface investigations conducted in accordance with a Work Plan for Soil and Groundwater Sampling and Analysis dated June 2003. The results of the subsurface investigation were documented in a Draft Final Pre-Remedial Design / Remedial Action Soil and Groundwater Sampling Work Plan dated May 2004. On May 11, 2005, NYSDEC issued a ROD Amendment letter outlining proposed amendments to the selected alternative remedies for the affected areas.

In August 2005 GEC submitted the Remedial Design Plan summarizing the steps necessary to implement the proposed Amended ROD. The final ROD Amendment was subsequently issued in March 2006 and ROD activities commenced in the fall of 2006. ROD activities began with chemical injections on November 6, 2006 and were completed with the replacement of monitoring wells MW-3 and MW-4 on April 29, 2008. The Final Engineering Report (FER) prepared by GEC and dated August 29, 2011, summarized site remedies conducted at the Site in accordance with the ROD and provided the most recent groundwater monitoring data collected prior to the submittal of the FER.

The NYSDEC approved the FER on September 14, 2011. On January 23, 2012, the NYSDEC changed the Site classification From Class 2 to Class 4. Among the reasons the

NYSDEC cited for this change were that the remedy has been constructed consistent with the ROD Amendment and the requisite institutional controls, in the form of an environmental easement were in place.

As stated in the Amended Record of Decision (ROD), the Remedial Action Objectives (RAOs) were to eliminate or mitigate all significant threats to public health and/or the environment.

The remediation goals for the Site were to eliminate or reduce to the extent practicable:

- Exposures of persons at or around the site to metals and PAHs in soil and groundwater; and
- The release of contaminants from soil into groundwater that may create exceedances of ambient groundwater quality standards.

The remediation goals for the Site also included attaining, to the extent practicable, and with changes authorized by NYSDEC staff:

- · Ambient Class GA groundwater quality standards; and
- The soil cleanup objectives specified in Technical and Administrative Guidance Memorandum (TAGM) #4046.

As part of the Amended ROD, groundwater monitoring is required. The SMP dated July 27, 2009 and submitted to NYSDEC, describes the post-remedial groundwater monitoring plan, a reporting schedule and appropriate institutional controls.

According to the groundwater sampling plan, samples are to be collected from those wells identified in Table I and analyzed for the listed analytes. Sampling was to be conducted quarterly for the first year after initiation of the remediation and then semi-annually for the next four years. The year of quarterly sampling was completed on September 11, 2008, while the semi-annual monitoring began in March 2009 and has continued since with the most recent round conducted on April 2015. GEC, on behalf of Linzer, requested a change in the groundwater monitoring frequency to an annual event instead of a semi-annual event. Linzer received written approval for this change on March 31, 2016 from the NYSDEC. This report summarizes the annual sampling conducted during April 2016. As required, GEC on behalf of Linzer is continuing the semi-annual inspection of the IC/ECs.

According to the Amended ROD, an environmental easement was to be implemented and a soil management plan developed to ensure safety in the event that contaminated soils were to be disturbed during any future subsurface construction activities. On August 2, 2010 Linzer, the current Site owner, executed and environmental easement in a form submitted to and approved

by the NYSDEC. The easement was recorded by the Suffolk County Clerk's Office on August 2, 2010.

A Site Management Plan was issued to the NYSDEC and approved along with the SMP on August 12, 2009. According to the plan, the NYSDEC must be notified in the event that such activities become necessary. A periodic certification, prepared by a professional engineer or environmental professional acceptable to NYSDEC must also be submitted, which must certify that the institutional controls and engineering controls put in place, pursuant to the ROD, are still in place, have not been altered and are still effective. Periodic certification must be provided until the NYSDEC notifies in writing that this certification is no longer required. Please refer to the Periodic Review Report Certification Statement and IC/EC Certification form in Attachment 1.

3.0 REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

IC/ECs established for the Site include the maintenance of a protective soil cover system over each AOC and a prohibition against using groundwater as a source of potable or process water without water quality treatment. These controls have been implemented to successfully reduce exposures of persons at or around the Site to metals and PAHs in soil and groundwater.

During the April 2016 monitoring events, groundwater samples were collected from monitoring wells MW-2, MW-3, MW-4, MW-5R, MW-10, MW-12 and MW-26R for analysis of total chromium, nickel, and/or copper. Groundwater samples were also collected from monitoring wells MW-21 and MW-23 in April 2016 for PAHs. MW-20 was not sampled during this monitoring period due to a damaged road box cover. Maintenance personnel at Linzer attempted to produce a new road-box cover with a cut stainless steel plate, but due to fork lift traffic over the well the steel cover was jammed in the road-box and was unable to be removed. MW-19 was not sampled during this monitoring period due to the presence of 0.03 feet of LNAPL in the well. The product thickness was measured with an oil water interface probe. The laboratory results for the monitoring wells sampled were used to evaluate the effectiveness of the remedies.

The selected remedies to reduce or eliminate the release of contaminants from soil into groundwater have proven effective at remediating nickel, copper, chromium, zinc, and PAHs. Refer to Table 2 and 3 for a completed summary of the analytical results for PAHs and metals, respectively.

• The concentration of nickel in 5 of the 7 groundwater samples analyzed were slightly greater than the previous sampling round conducted in April 2015 and are within historical ranges except at MW-12, which had the greatest concentration since prior to treatment. MW-5R had the highest reported concentration of nickel since March 2013. In addition, MW-4 had the lowest

reported concentration of nickel since the start of groundwater monitoring at the Site. As observed historically, detected concentrations of nickel this sampling round at MW-2, MW-4, MW-5R and MW-12 exceeded the NYSDEC Class GA Groundwater Standard.

- As observed historically, reported concentrations of copper exceeded the NYSDEC Class GA Groundwater Standard in MW-12 during this annual sampling event.
- Low to non-detect concentrations of chromium were reported for the 3 monitoring wells sampled and are within the historical ranges. No reported concentration exceeded the NYSDEC Class GA Groundwater Standard.
- Monitoring wells MW-19, MW-20, MW-21 and MW-23 are listed to be sampled for PAHs. These wells are located within AOC-4, on the north side of the Site building. MW-19 and MW-20 were not sampled due to the presence of 0.03 feet of LNAPL (MW-19) and a damaged road box preventing opening (MW-20). The laboratory reported a flagged concentration of dimethyl phthalate in both MW-21 and MW-23. These results were flagged by the lab because this compound was also detected in the method blank. Dimethyl Phthalate has not been detected in any groundwater sample collected historically at the Site, therefore it is unlikely that this compound is present at the Site. This was the only detection of any PAH in groundwater samples submitted for analysis and no concentration exceeded the NYSDEC Class GA Groundwater Standard. The LNAPL observed at MW-19 does not appear to be a significant source of PAHs within AOC-4, which is consistent with previous sampling results.

4.0 IC/EC PLAN COMPLIANCE REPORT

Institutional Controls

Institutional Controls at the Site were established to prevent exposure of persons at or around the Site to metals and PAHs in groundwater by prohibiting the use of groundwater as a source of potable or process water without appropriate water quality treatment. An EE has been recorded on the property Deed with additional restrictions imposed to ensure safety in the event that residual contaminated soils were to be disturbed. The EE requires a soil management plan if/when excavation activities take place on Site in any of the AOCs. A Soil Management Plan was submitted as an attachment in the approved SMP. The SMP was approved by the NYSDEC in a letter dated August 12, 2009. The Soil Management Plan describes what is required during any future excavation work within the AOCs. Linzer, the Site owner, is required to provide semi-annual certification to NYSDEC certifying that the institutional and engineering controls are still in place and effective.

The performance of the institutional controls is evaluated by visual inspections and interviews with on-Site representatives for the current owner of the facility. Interviews consist of asking the current owner about any future plans to utilize groundwater water at the Site or if any excavations were conducted and/or are planned to be conducted within an AOC.

Engineering Controls

Engineering controls consisting of soil cover systems placed over contaminated soil/fill remaining on Site were established to prevent exposure of persons at or around the Site to metals and PAHs in soil. Figure 2 shows the five AOCs and the form of engineering control at each AOC. The cover system is different in each of the AOCs and is comprised of one or more of the following:

- clean backfill,
- bituminous concrete ("asphalt") pavement; and/or,
- · concrete foundation slabs of buildings.

Performance for each type of soil cover system is evaluated by conducting a visual inspection to evaluate the integrity and completeness of the cover over each AOC.

Status of IC/EC Objectives

GEC visited the site on October 22, 2015 and April 20, 2016 to inspect Site conditions concerning the AOCs on-Site, and collect groundwater samples. Please refer to photographs taken during the October 2015 and the April 2016 inspection, in Attachment 2. Both the institutional and engineered controls described above are fully in place and were effective at fulfilling the objective to prevent exposure of persons at or around the Site to metals and PAHs in soil and groundwater.

- AOC-1 is completely covered by the bituminous concrete pavement adjacent to the loading docks.
- AOC-2 and AOC-5 are completely within the existing Site building and covered by the concrete foundation slab.
- AOC-3 is covered by approximately 5 feet of clean backfill (0 to 5 feet deep) and 6 feet of excavated soil reused for backfill (6 to 11 feet deep). Approximately 6 to 12 inches of compacted crushed concrete and Recycled Concrete Aggregate (RCA) blend is located at the surface.

- AOC-4 is about 75 percent located beneath the building concrete foundation slab, and about 25 present located in front of the building and covered with approximately 8 to 10 feet of clean backfill soils, including a vegetative cover (grass) at the surface.
- According to an interview with Linzer personnel, at this time the company does not have plans to develop groundwater at the Site for any kind of use, nor has Linzer conducted or planned to conduct trenching or excavation activities within any AOC. In October 2015, proposed plans were described to GEC for development outside of any AOCs. GEC was notified during the April 2016 inspection that all development plans have been put on hold indefinitely.

Corrective Measures

No corrective measures are needed at this time.

Conclusions and Recommendations

Current Site conditions comply with the provisions of the IC/EC Plan.

GEC does not have any recommendations regarding the IC/EC plan.

5.0 MONITORING PLAN COMPLIANCE REPORT

Groundwater Monitoring Plan Components

Historically there has been a total of 24 groundwater monitoring wells on Site; however, a subset of 11 monitoring wells is included in the current Monitoring Plan that was initiated in June 2012.

The Monitoring Plan stipulates that, prior to collection of groundwater samples the groundwater level in each well shall be measured and recorded. Groundwater samples are to be collected with the low-flow sampling method and field parameters such as dissolved oxygen, pH, temperature, turbidity, and specific conductance are to be monitored. Once the parameters stabilize within ten percent, then sample collection can begin. Laboratory analysis includes total chromium, copper, and nickel via USEPA Method 6010/7000s and/or PAHs via USEPA Method 8270C. Samples must be submitted to a certified New York state laboratory under proper chain-of-custody documentation. Please refer to Table 1 attached for a summary of the groundwater monitoring plan.

Monitoring Completed During Reporting Period

Since the submittal of the last PRR in June 2015 one round of long-term groundwater monitoring has been conducted during April 2016. A total of 11 monitoring wells were to be

sampled for metals or PAHs as shown in Table 1. Due to the presence of LNAPL at MW-19 and a damaged road-box at MW-20 a total of 9 monitoring wells were sampled in April 2016. GEC is working at rehabbing the damaged MW-20 road box. Linzer attempted the installation of a makeshift steel road-box cover, but due to fork-lift traffic the cover was jammed inside the road-box and was not able to be removed. The size of the road box cover is irregular and has proven difficult to find a replacement.

Prior to groundwater sampling, the groundwater level in each well was measured and recorded. Peristaltic pumps with polyethylene tubing were used to purge and sample monitoring wells. Groundwater samples were collected using the USEPA Region II "Groundwater Sampling Procedure – Low Stress (low flow) Purging and Sampling (March 16, 1998) and field parameters monitored included: dissolved oxygen, pH, temperature, specific conductance, ORP, and turbidity. Laboratory analysis included total chromium, copper and nickel via USEPA Method 6010 or PAHs via USEPA Method 8270C. Samples were submitted to Essential Environmental Technologies, Inc. of Farmingdale, NY, (formerly Environmental Quality Testing) a New York State certified laboratory under proper chain-of-custody documentation. Copies of analytical reports and chains-of-custody are included in Attachment 3.

Comparison with Remedial Objectives

The remediation goals for the Site include attaining, to the extent practicable, ambient Class GA groundwater quality standards. Overall, metal concentrations are consistent compared to historical data; however, nickel and copper in groundwater at a few monitoring wells remain at or above the Class GA groundwater quality standard. Results during this monitoring period indicate that total chromium does not exceed the Class GA groundwater quality standard at any of the sampled monitoring wells.

The April 2016 monitoring data indicated a potential rebound of nickel concentrations, however, it is more likely attributable to seasonal fluctuations. A nickel concentration of 1.97 mg/L was reported for MW-12, which is the highest reported concentration since prior to remediation efforts. A similar, but slightly lower concentration (1.73 mg/L) was reported in April 2012. This occurrence will be monitored closely in the future.

Four of the seven monitoring wells sampled for nickel (MW-2, MW-4, MW-5R, and MW-12) exceeded the applicable Class GA Groundwater Standard. One of the three monitoring wells sampled for copper (MW-12) exceeded the applicable Class GA Groundwater Standard.

Monitoring data for this monitoring period indicate only slight fluctuations in the groundwater concentrations of chromium to the previous post treatment monitoring periods remaining and within historical levels. Chromium was not detected at concentrations exceeding the Class GA Groundwater Standard. Please refer to Table 3 for a summary of analytical data for total metals.

MW-19, MW-20, MW-21 and MW-23 are to be sampled for PAHs during each monitoring period. In April, 2016 GEC did not collect groundwater sampled from MW-19 due to the presence of LNAPL, and MW-20 due to a damaged road box cover.

Results from groundwater samples collected from the monitoring wells sampled for PAHs during this monitoring period indicate the presence of dimethyl Phthalate. These reported detections were flagged by the lab due to the presence of this compound in the method blank. This would be the first time dimethyl phthalate was reported as detected in samples collected at the Site. This will be monitored in the future, but it is likely that this compound is not present in the groundwater at the Site and the detection is a result of a laboratory error. No other PAH compounds were detected above laboratory detection limits in any of the collected groundwater samples.

Please refer to Table 2 for a summary of PAHs analytical data.

Changes made to Groundwater Monitoring Component of Site Management Plan

Monitoring during this reporting period complied with the change previously proposed to the NYSDEC in GEC's December 2009 Annual Monitoring Report, which summarized the first six rounds of groundwater monitoring data collected after the completion of the remedial actions, and made recommendations to eliminate monitoring wells. During the course of long-term groundwater monitoring it became evident that individual wells no longer exceeded Class GA groundwater quality standards for one or more analyses. Therefore GEC reduced the groundwater monitoring scope by eliminating sampling of MW-3, MW-5R, MW-7, MW-10, MW-11, MW-12, MW-16, MW-17, and MW-26R for PAH analysis. In addition, metal analyses were reduced to total chromium, copper and nickel only in MW-10, MW-12 and MW-26R, and nickel only in MW-2, MW-3, MW-4 and MW-5R. The PRR submitted for the June 2015 to May 2016 monitoring period discussed the reasoning behind reducing the monitoring frequency from semi-annually to an annual event. GEC received oral approval from the NYSDEC after submitting this PRR and official approval in the form of a Site Management Addendum letter dated March 31, 2016. Refer to the attachments for a copy of this letter.

6.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

SMP Compliance

The IC/EC established in the EE prevents exposure of persons at or around the Site to metals and PAHs in soil and groundwater. All requirements of the IC/EC and EE were met during the reporting period. Linzer will continue to conduct Site inspections to verify the effectiveness of the IC/EC.

Long-term groundwater monitoring was established in the SMP to determine if cleanup

goals for groundwater could be achieved. The monitoring plan was modified in GEC's December 2009 Annual Monitoring Report based on years of data which showed clean groundwater in certain monitoring wells. GEC has modified the sampling plan again to go from semiannual sampling to annual sampling with NYSDEC authorization.

Performance and Effectiveness of the Remedy

The IC/EC established in the EE have been effective in achieving the remedial objective to eliminate exposures of persons at or around the Site to metals and PAHs in soil and groundwater. Currently the groundwater data have shown that the other remedial objectives have been or will likely be obtained over time: to reduce the release of contaminants from soil into groundwater that may create exceedances of ambient groundwater quality standards; to meet ambient Class GA Groundwater Standards; and to meet soil cleanup objectives specified in Technical and Administrative Guidance Memorandum (TAGM) #4046.

Continued annual groundwater monitoring is sufficient to evaluate the variability of total chromium, copper, and nickel concentrations in groundwater. The LNAPL that is present historically in MW-19 does not appear to be contributing to groundwater contamination as the recent analytical results suggest. Continued monitoring of PAHs in AOC-4 at a reduced frequency is sufficient to evaluate the presence or absence of LNAPL and the infrequent detection of di-n-butyl phthalate in groundwater. At this time GEC is concluding that the detection of dimethyl phthalate in MW-20 and MW-23 is a direct result of a laboratory error and is not present in the groundwater at detectable concentration

The current remedy has significantly improved water quality. GEC will continue to monitor its effectiveness.

PRR Submittal Schedule

The frequency of PRR submittals is not expected to change. The next PRR will be due 12 months from the submittal deadline of this report, or June 30, 2016. The frequency of sampling events shall continue to be conducted annually and Site inspections will continue to be conducted semi-annual (twice yearly) and the frequency of PRR submittals will be annually.

7.0 WARRANTY

The conclusions and recommendations contained in this report are based on the information available to GEC as of the date of this document. The conclusions and recommendations may require revision if future regulatory changes occur. GEC provides no warranties on information provided by third parties and contained herein. Data compiled was in accordance with GEC's existing procedures and consistent with the NYSDEC regulations, and should not be construed beyond its limitations. Any interpretations or use of this report other

than those expressed herein are not warranted.

The use, partial use, or duplication of this report without the written consent of Goldman Environmental Consultants, Inc., and the Linzer Corporation is strictly prohibited.

Respectfully submitted,

Goldman Environmental Consultants, Inc.

Prepared By:

Approved By:

Michael Bradley Environmental Scientist

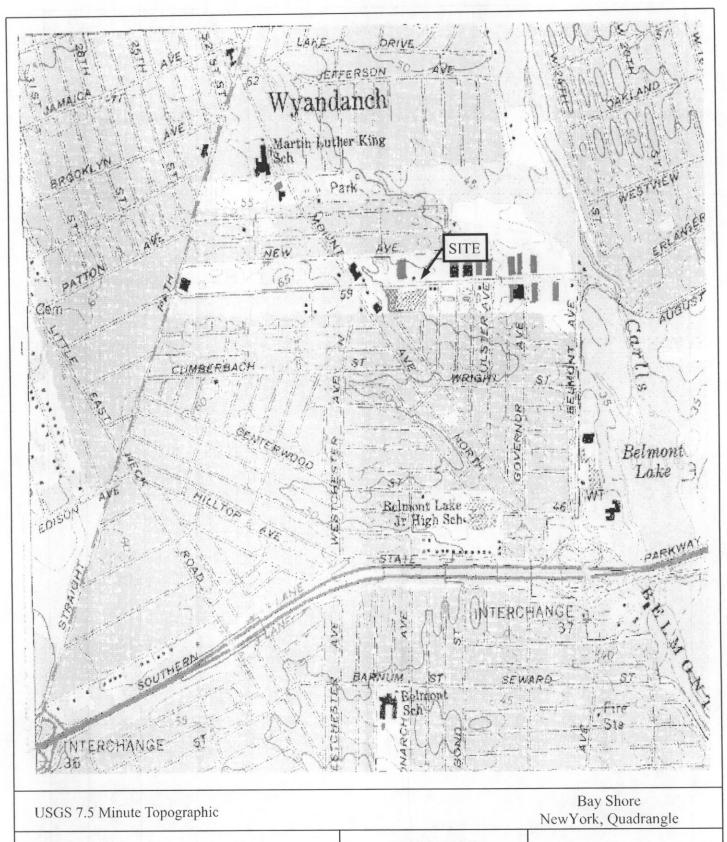
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FIGURES





Goldman Environmental Consultants, Inc. 60 Brooks Drive Braintree, MA 02184 (781)356-9140 Fax: (781)356-9147 www.goldmanenvironmental.com

SITE LOCUS

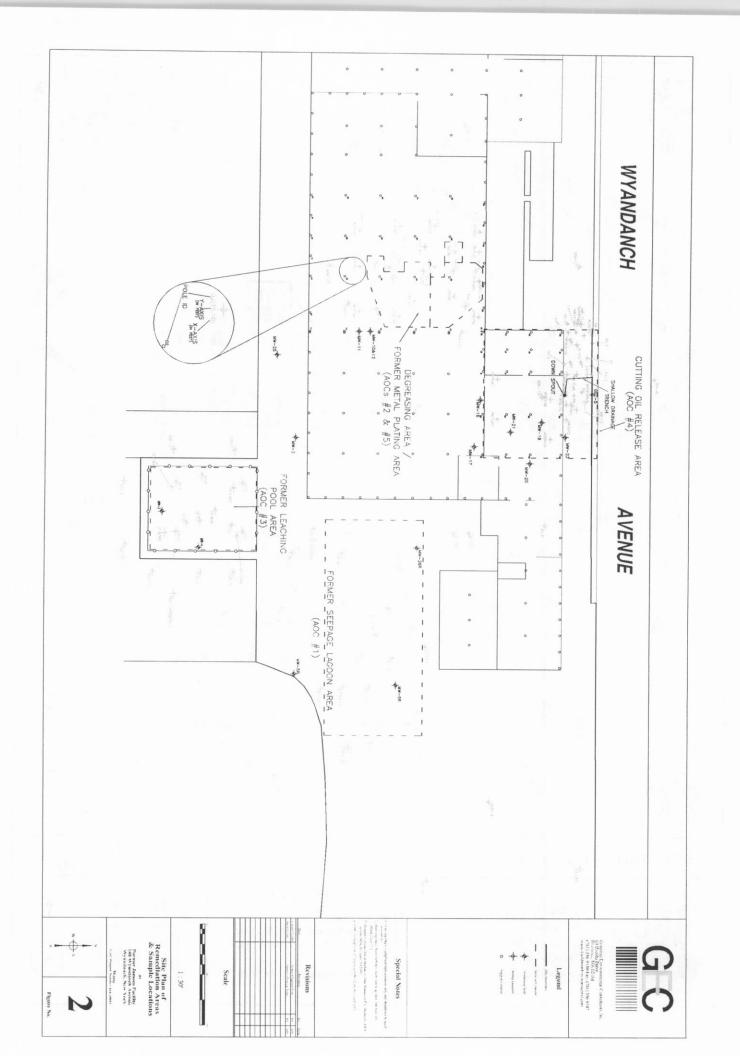
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GEC Project #: 444-5010

Figure 1

Scale 1: 25,000





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Table 1 **Groundwater Monitoring Plan** 248 Wyandanch, Ave

West Babylon, New York

Monitoring Well	Asscociated AOC	Chromium, Copper, Nickel (6010B)	Nickel (6010B)	Semi- VOCs (8270C)
MW-2	AOC-2		X	
MW-3	AOC-3		X	
MW-4	AOC-3		X	
MW-5R	AOC-1		X	
MW-10	AOC-2 and 5	X		
MW-12	AOC-2 and 5	X		
MW-19	AOC-4			X
MW-20	AOC-4			X
MW-21	AOC-4			X
MW-23	AOC-4	157 A TY		X
MW-26R	AOC-1 and 4	X		
MS		X		X
MS-DUP		X		X
Total		5	4	6

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\$\(\text{Signification} \text{Signification}		9.11/2008*** 8	C20M(SIM)	Q	0.5	OV.	6.9	ON.	6.5	S.N.	5.0	Q.		S N		N S	0.5	9 9	N VO		ON ON	
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42120101-4-4-2700 STD 1-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		3/11/2014***	30.438	Î	96'0	V)	0.82	Î	0.73	ŝ	6,73	CV	17.0	ź	6.53	ź	50 U	0.0	185 N	0 0		-
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### 1425001 #278 ND 14 N		4.21.2015***	82.10D	CT2	1.26	CD.	1.02	ALD.	0.01	di,	0.08	CD.	(1.13	NTS	6.43	NT)	91.1	0	fin NT	10.2		
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NO 155 NO		4-16/2008***	8230	ND	10	ND	٧.	ND.	٧	GK.	'n	Q.		N.		NG	vi	o,	9	le constitution of the con	ND	
O		9.10.2008***	SZZOMISEND	2 2	500	2 :	6.5	ON S	6.5	9	41.5	2		SN S		ND	6.6	a,	1.5 N.		2	5
1		9/28/2000	30,700	2 2	0 0	2 2	0	OK. OK	100	9	6.00	2 2		n c		S S	2.5	9.9	10		9. 9	2.
10 10 10 10 10 10 10 10	GEC.8.	12.15.2003	8270	î		0.0	٧.	Î		9	*	ê		ź		i z			2		9	
N	(VOC 47)	4.67,006	94.74	9	0.5	ź	1	616	-	141		V.13	-	1774	-	17	1 10	-	1 1		5,	-
NO (104) NO (105) NO		2.10.3008	9778	NO	*	ÇV.		O _p	90	5		Ç.		5	-	CN	e Va	60) V		9	
NO 164 NO 621 NO NO NO NO 106 NO 112 NO NO NO 164 NO		3.30.3009***	8276	2	98'0	i i	16.0	Î	0.82	÷	0.87	2 2		žź		: 2	0.00	: 0	2 2		; 5	
		0.28/2000400	\$2.70C	NO	95'0	NI)	101	CIN	16.0	G _N	0.07	2										

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TABLE 3 SUMMARY OF GROUNDWATER ANALYTICAL DATA: TOTAL METALS 248 Wyandanch Avenue Wyandanch, New York (unit, parts per million [ppm], mg/L)

1 (AOC #2/5) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.271994 1.27/1995 11/18/1998 11/18/1998 11/18/2000 12/11/2002 12/15/2006 4/5/2006 4/5/2006 4/5/2006 12/4/2007*** 1/16/2008*** 1/16/2009*** 1/16/2009***	Method NG NG 3010-6010 NG 6010/7470-7196 2005/76910 6010 6010 6010	9.12 4 NS 0.2560 0.389 ND	SQL	3.16 3.8 0.231 NA		4,49 5.7 10,6 NA	SQL	0.747 0.70 0.263 NA	
11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11/18/1998 11/15/2000 12/11/2002 12/15/2003 4/5/2006 4/5/2006 4/5/2006 2/4/2007*** 2/16/2008*** 2/10/2008*** 2/10/2009***	3010/6010 NG 6010/7470/7196 200/7/6010 6010 6010	NS 0.2560 0.389		0.231		10,6		0.263	
11 11 12 12 12 12 12 12 12 12 12 12 12 1	11/15/2000 12/11/2002 12/15/2003 4/5/2006 4/5/2006 4/5/2006 4/5/2007 2/4/2007 2/4/2007 1/16/2008 1/10/2008 1/30/2009	NG 6010/7470:7196 200:7/6010 6010 6010	0.2560							
11 12 14 14 19 19 19 19 19 19 19 19 19 19 19 19 19	12/11/2002 12/15/2003 4/5/2006 4/5/2006 //24/2007*** //16/2008*** //30/2009***	6010/7470-7196 200:7/6010 6010 6010	0.389			-				-
11 11 12 12 12 12 12 12 12 12 12 12 12 1	12/15/2003 4/5/2006 4/5/2006 //24/2007*** //4/2007*** //16/2008*** //30/2009***	200:7/6010 6010 6010			0.292	0.010	1.4	0.010	0.048	B 0.0
11/1 13/2 14/2 14/2 14/2 14/2 14/2 14/2 14/2 14	4/5/2006 /24/2007**** /16/2008*** /10/2008*** //30/2009***	6010			0.0197	0.0005	NA		0.015	0.0
11 47 99 33 99 34 34 4 99 90 31 32 32 34 34 34 34 34 34 34 34 34 34 34 34 34	/24/2007*** 2/4/2007*** i/16/2008*** i/10/2008*** i/30/2009***	100	0.017	0.005	0.0623	0.005	NA		0.042	0.0
11 47 99 33 99 34 39 44 99 90 31 32 32 33 34 34 34 34 34 34 34 34 34 34 34 34	2/4/2007*** 1/16/2008*** 1/10/2008*** 1/30/2009***	9010B	0.010	0.005	NA		NA		N.A	
4/ 9/ 3/ 9/ 3/ 3/ 9/ 4 9/ 9/ 3/ 3/ 9/ 3/ 9/ 4	1/16/2008*** 1/10/2008*** 1/30/2009***	200 2	ND	0.010	0.088	0.025	0.44	0.04	ND	0.3
9/ 31 9/ 33 34 9/ 4 9/ 3/ 9/ 13/ 9/ 9/ 9/ 9/ 9/ 9/ 9/ 9/ 9/ 9/ 9/ 9/ 9/	7/10/2008*** 7/30/2009***	200.7	ND ND	0.05	ND ND	0.05	0.30	0.05	ND ND	0.0
3/ 9/ 3/ 9/ 9/ 4 4 9/ 3/ 9/ 3/ 9/ 9/ 9/ 9/ 9/ 9/ 9/ 9/ 9/ 9/ 9/ 9/ 9/	/30/2009***	200.7	ND	0.001	0.024	0.001	0.20	0.001	0.119	0.00
9/ 3/ 3/ 9/ 4 9/ 3/ 9/ 3. 9/ 3.		6010/200.7	ND	0.0016	ND	0.0029	0.15	0.0005	0.040	0.00
3/ 9/ 4 9/ 3/ 9/ 3.		6010/200.7	ND	0,0016	ND	0.0026	0.14	0.0005	0.0044	0.00
9/ 4 9/ 3/ 9/ 3.	/24/2010°50	6010/200.7	NA		NA		0.13	0.0017	NA	
4 9/ 3/ 9/ 3- 9/	/23/2011***	6010/200.7	NA		NA		0.29	0.00072	N.A	
9/ 3/ 9/ 3.	/21/2011***	6010/200.7	NA	11000	NA	**	0.17	0.00072	NA	
3/ 9/ 3 9/	4-2/2012***	6010/200.7	NA	111111111111111111111111111111111111111	NA		0.24	0.0014	NA	
9/	7/18/2012*** 1/27/2013***	6010/200.7	NA NA	10.00	NA NA		0.094	0.0014	NA NA	
3 9/	0/17/2013***	6010C	NA	**	NA		0.28	0.0014	NA	
9/	11/2014***\$	6010B	NA		NA		0.36	0.0014	NA	
	/17/2014 ***	6010C	NA		NA		0.23	0.0014	NA	
4/	1/21/2015***	6010C	NA		NA		0.17	0.0014	N.A	
	4/20/2016	6010V	NΛ		NA		0.27	0.0071	NA	
	5.23/1994	NG	0.139	-	0.597		1.75	144	0.109	
	1-27/1995	NG	0.320	-	4.5		3.5		0.68	
	11/17/1998	3010/6010 6010/7470 7196	NA 0,203		0.13	0.010	0.195	0.010	0.0492	0.0
	12/11/2002	200.7/6010	0.203	-	0.0837	0.0005	NA NA	0.010	0.0956	0.0
	1:24/2007	6010B	ND	0.01	ND	0.025	ND	0.04	ND	0.3
15	2/4/200)7000					destroyed durin		The state of the s		
	1/16/2008 0 0 0			Well dest	troyed during	soil remediatio	on, to be replace			
9.	2/10/2008***	2(8),7	0.05	0.001	0.094	0.001	0,225	0,001	0.053	0.00
	7/30/2009***	6010/200.7	ND	0.0016	0.0660	0.0029	0.13	0.0005	0.045	0.00
	9/28/2009*** 5/24/2010***	6010/200.7	0.013 NA	0.0016	0.0710 NA	0.0029	0.12	0.0005	0.030 NA	0.00
	V23/2011***	6010/200.7	NA NA		NA NA		0.054	0.00072	NA NA	
	0/21/2011***	6010/200.7	NA		NA NA		0.074	0.00072	NA NA	
	4:2/2012***	6010/200.7	NA		NA		0.11	0.0014	NA	
	9/18/2012	6010/200.7	NA	1000	NA		0.065	0.0014	NA	
	3/27/2013****	6010/200.7	NA		NA		0.074	0.0014	NA	
	9/17/2013***	0010C	NA		NA		0.11	0.0014	NA	
	11/2014*** \$	6010B	NA		NA		0.080	0.0014	NA	
	1/21/2014*** 1/21/2015***	60100	NA		NA	100	0.13	0.0014	NA	
	4/20/2015	6010C 6010C	NA NA		NA NA		0.049	0.0014	NA NA	
	12/11/2002	6010/7470-7196	0.049	-	0.102	0.010	2.1	0.010	0.0561	0.0
	12/16/2003	200/7/6010	0.010		0.0769	0.0005	NA	0.010	0.151	0.0
	4/6/2006	6010	0.160	0.005	0.1040	0.005	NA		0.181	0.0
	4/6/2006	6010	0.150	0.005	NA		NA		NA	
	1/24/2007	60108	0.19	0.01	0.14	0.025	2.2	0.04	93	0.3
	12/4/2007***	200.7	0.08	0.05	0.14	0.05	1.65	0.05	0.26	0.0
	9/10/2008***	200.7	0.035	0.001	0.048	0.001	1.11	0.001	0.124	0.0
	3/30/2009***	6010/200.7	0.017 ND	0.0016	ND 0.0410	0.0029	0.62	0.0005	0.1300	0.00
	24/2010999	6010/200.7	NA	0.0010	NA	0.0029	0.50	0.0007	NA	0.00
	3/23/2011***	6010/200.7	NA		NΛ		0.65	0.00072	NΛ	
9	0/21/2011***	6010/200.7	NA		NA		0.92	0.00072	NA	
	4.2/2012***	6010/200.7	NA		NA		0.31	0.0014	NA	
	9/18/2013:45	6010/200.7	NA		NA		0.41	0.0014	NA	
	3/27/2013***	6010/200.7	NA		NA	10.77	0.37	0.0014	NA	
	0/17/2013292	6610€°	NΛ		NA	117	0.72	0.0014	NA	
	3/11/2014999 9/17/2014999	6010B	NA NA		NA NA		0.42	0.0014	NA NA	
	1/21/2015	POTOC.	NA		NA NA		0.78	0.0014	NA NA	
	4.20/2016	6010C	NA		NA		0.19	0.0074	NA.	
	12/16/2003	200.7/6010	ND		0.0419	0.0005	NA		0.090	0.00
(AOC #1)	4/6/2006	6010	0.009	0.005	0.1260	0.005	NA	12.00	0.1020	0.01
	4/6/2006	6010	0.007	0.005	NA		N.A		NA	
	1/25/2007	501DB	ND	0.01	1.4	0.025	0.14	0.04	ND	0.3
	12/4/2007***	200.7	ND ND	0.05	ND ND	0.05	0.19	0.05	0.21	0.8
	1/16/2008*** 9/10/2008***	200.7	ND 0.0009	0.05 B 0.001	ND 0.008	0.05	0.070	0.05	0.85	0.0
	3/30/2008	6010/200.7	0.0009	0.001	0.008 ND	0.001	0.070	0.001	0.1300	0.00
	9/28/2009	6010/200.7	ND	0.0016	ND	0.0029	0.16	0.0005	0.1300	0.00
3	3/24/2010***	6010/200.7	NA		NA		0.17	0.0017	NA.	4.00
3.	1/23/2011000	6010/200.7	NA		NA		1.18	0.00072	NA	
'9	9/21/2011*	6010/200.7	NA		NA		ND	0.00072	NA	
	4-2/2012#00	6010/200.7	N/A	* *	NA		0.22	0.0014	N.A	
	9/18/2012***	6010/200.7	NA		NA		0.20	0.0014	NA	
	3/27/2013*** 9/17/2013***	6010-200,7 6010C	NA NA		NA NA	- 11	4.95 0.38	0.0014	NA NA	
	3/11/2014	6010B	NA NA		NA NA		0.38	0.0014	NA NA	
	9/17/2014	6010C	NA		NA NA		0.73	0.0014	NA NA	
	4/21/2015***	6010C	NΛ		NΛ		0.57	0.0014	NA	
	4.20/2016	60100	NA		NA		3.64	0.0014	NA	
	12/16/2003	200,7/6010	ND		0.0076	0.0005	NA		0.106	0.0
(AOC #1)	4/6/2006	6010	0.043	0.005	0.0329	0.005	NA		0.053	0.0
1	4/6/2006	6010	0.023	0.005	NA NA	**	N.A		N.A	
	1/24/2007***	6010B	ND	0.01	ND	0.025	ND	0.04	ND	0.
	12/4/2007*** 4/16/2008***	200.7	ND	0.05	ND ND	0.05	ND ND	0.05	ND	0.0
	9/10/2008***	200.7	ND ND	0.05	ND 0.00s	0.05	ND	0.05	0.05	0.0
	9/10/2008 : 1: 3/30/2009 * * *	200.7 6010:200.7	ND 0.0079	0.001	0.005 ND	0.001	0.014	0.001	0.018	0.0
	0/28/2009***	6010 200.7	0.0079 ND	0.0016	ND ND	0.0029	0.032 ND	0.0005	0.063	0.00
		oundwater Standard		O'MIN	0.2	0.0029	0.1	O.HRIS	2.0	13,00
Notes: NS= No SQL= Sar NA= No ND= No NG = An	ot Sampled imple Quantitat of Analyzed of detected above	ion Limit re SQI d not provided by pr		Itant	E T-	= Sample colle = Sample quan = Detected con - Analysis by l	d in the blanks as vected after computitation limits a tecentration exception for the control of	pletion of remo not provided or seds calibration short holding	edial actions r not availab n curve rang time	le.

TABLE, 3 SUMMARY OF GROUNDWATER ANALYTICAL DATA: TOTAL METALS 248 Wandanch Avenne Wyandarch, New York tunit, paris per million [ppm], mg/L)

	Date 1/24/2007*** 4/16/2008*** 9/10/2008*** 3/30/2009***	Method 6010B 200.7 200.7	ND ND	9QL 0.01 0.05	ND ND	0.025 0.05	ND ND	0.04 0.05	ND ND	0. 0.
(AOC #2/5)	4/16/2008**** 9/10/2008**** 3/30/2009***	200.7	ND							
	3/30/2009***			0.05	INI 2	0.03	ND			
	3/30/2009***	25.87.7	(3.036)	0.001	0.017	0.001	201	0.00		
		. 010/222					0.011	0.001	0.022	0.0
		6010/200.7	0.11	0.0016	ND	0.0029	0.12	0.0005	0.16	0.00
	9/28/2009***	6010/200.7	ND	0,0016	0.037	0.0029	ND	0,0005	0.018	0.0
	3/24/2010***	6010/200.7	0.008	0.0010	0.013	0.0031	0.0096	0.0017	NA	
	3/23/2011***	6010/200.7	ND.	0.0016	ND	0.0029	0.017	0.00072	NA	
	9/26/2011000	6010/200.7	0.0062	0.0016	0.0021	0.0029	0,0046	0.00072	N.A	-
	4/2/2012***	6010/200.7	0.024	0.0012	0.021	0.0034	0.0088	0.0014	NA	
	9/18/2012***	6010/200.7	0.26	0.0012	0.49	0.0034	0,069	0.0014	N.A	
	3/27/2013000	6010/200.7	0.018	0.0012	0.010	0.0034	0.012	0.0014	NA	
	9/17/2013111	6010C	0.0054	0.0012	0.0066	0.0034	0.0055	0.0014	NA	
	3.11/2014###\$	6010B	0.0023	0.0012	0.0077	0.0034	0.0065	0.0014	NA	
	9/17/2014***	6010C	ND	0.0012	0.025	0.0034	0.0020	0.0014	NA	
	4.21/2015	9010K.	0.012	0.0012	0.031	0.0034	0.0058	0.0014	NA	
	4 20/2016	6010C	ND	0.0034	0.070	0.0031	0.019	0.0071	NA	
MW-11	7/6/1994	NG	0.08	07.1302.54	0.22	0.000.1	0.07	0.0071	0.23	
(AOC #2/5)		3010/6010						0.0060		* 0.1
(AOC #2/5)	11/17/1998		NS	H	0.0105	В	ND		ND	
	12/15/2003	200.7/6010	0.015		0.0071	0.00050	NA	2.5	0.014	0.0
	4/5-2006	6010	0.620	0.005	0.0592	0.00500	NA	0.00	0.030	0.0
	4/5/2006	6010	0.420	(1-)(35	NA		NA.		NA	
	1/25/2007=1	6010B	0.04	0.01	ND	0.025	ND	0.04	ND	0.
	12/4/2007000	200.7	0.14	0.05	ND	0.05	ND	0.05	ND	0.
	4/16/2008***	200.7	ND	0.05	ND	0.05	ND	0.05	ND	0.
	9/10/2008***	200.7	0.032	0.001	0.011	0.001	0.0040	0.001	0.0090	0.0
	3/30/2000000	6010/200.7	0.044	0.0016	ND	0.0029	0.0380	0.0005	0.0560	0.0
	9/28/2009	6010/200.7	0.02	0.0016	ND	0.0029	ND ND	0.0005	ND	0.0
MW-12	5.23/1994	NG	NS.	0.0010	NS	0.0029	NS NS	0.0003	NS	0.0
	7/6/1994	NG	ND		ND ND		ND		0.06	
(AOC:#2/5)	1/27/1995	NG NG	18,00	0.0	21		21	7.5	0.06 5.60	
								**		
	11/17/1998	3010/6010	145		5.31		7.07		0.859	
	12/15/2003	200.7/6010	0.007		0.5300	0.0005	NA	2.5	0.289	0.0
	4/5/2006	6010	0.04	0.005	0.0224	0.005	NA		0.059	0.0
	4/5/2(WW.	5010	(5-(54))	(1.3)45	NΛ		N.A	22	NA	
	1/25/2007***	5010B	ND	0.01	0.44	0.025	0.29	0.04	ND	0
	4/16/2008***	200.7	ND	().(15	0.13	0.05	0.09	0.05	ND	0.
	9/10/2008***	200.7	ND	0.001	0.079	0.001	0.073	0.001	0.022	0.0
	3/3(1/2)(1)9900	6010 200.7	ND	0.002	0.20	0.003	0.24	0.0005	0.11	0.0
	9/28/2009***	6010/200.7	ND	0.0016	0.16	0.0029	0.085	0.0005	0.086	0.0
	3/23/2011***	6019/200.7	0.014	0.0016	0.22	0.0029	0.20	0.00072	NA	0.0
							0.71			
12	9/21/2011***	ne10/200.7	0.026	0.0016	0.43	0.0029		0.00072	N.A.	
	4.2/2012***	6010/200.7	0.045	0.0012	0.83	0.0034	1.73	0.0014	1.474	
1	9/18/2012595	6010 200.7	0.013	0.0012	0.60	0.0034	0.42	0,0014	NA	
	3/27/2013000	66710 200.7	0.023	13.1(0)12	0.32	0.0034	0.99	0.0014	N.A	
100	9/17/2013***	5010C	0.0630	0.0012	0.44	0.0034	0.46	0.0014	NA	
	3.11/2014 mmg	6010B	0.013	0.0055	0.087	0.0034	0.39	0.0014	N.A	
	9/17/2014***	6010C	0.015	0.0012	0.46	0.0034	0.72	0.0014	NA	
	4/21/2015***	6611196	0.019	0.0012	0.98	0.0034	0.30	0.0014	NA	
	4 20/2016	6010C	(2:014	0.0034	0.51	0.0031	1.97	0.0071	NA	
MW-26R	12/15/2003	200.7:601	ND		0.0018	0.00050	NA		0.019	0.0
AOC #1 and 4)	4/6/2006	3010/00/10	0.018	0.005	0.040	0.01	NA		0.0740	0.0
W. P. I all (1-7)	4/6/2006	6010	0.017	0.005	NΛ		NA		NΛ	
1	1/24/2007999	MIDB		0.01	ND	0.025	ND	0.04	ND	0
			ND							
	12/4/2007***	200.7	ND	(),()5	ND	11.05	ND	0.05	ND	0.
	4/16/2008:1	200.7	ND	0.05	ND	0.05	ND	0.05	ND	0.
	9/10/2008000	200.7	ND	0.001	0.005	0.001	.ND	0.001	(),()()6	0.0
	3/30/2009***	6010/200.7	0.095	0.0016	ND	0.0029	0.12	0.0005	0.17	0.0
	9/28/2009***	6010/200.7	ND	0.0016	0.038	0.0029	ND	0.0005	0.0087	0.0
	3/24/2010**-	6010/200.7	0.0048	0.0010	0.072	0.0031	0.0061	0.0017	NA	
	3/23/2011266	6010/200.7	ND	0.0016	0.060	0.0029	0.0062	0.0007	NA	
	9/21/2011***	6010/200.7	ND	U 0.0016	0.0053	0.0029	ND	U 0.00072	NA	
	4.2/2012***	6010/200.7	1310025	0.0012	0.02	0.0034	0.0019	1),18)14	NA	
	9/18/2012***	6010/200.7	0.0014	0.0012	9.60	0.0034	0.42	0.0014	NA	
		6010/200.7	0.3500	0.0020	0.70	0.0056	0.42	0.0024	NA	
	3/27/2013000							0.0024		
	9/17/2013***	60104.	0.0033	0.0012	0.021	0.0034	ND		NA	
	3/11/2014***\$	9010B	0,0055	0.0012	NE)	0.0022	0.0022	0.0014	NA	
	9/17/201475	5010C	0.0054	0.0012	0.066	0.0034	0.0021	0.0014	NA	
	4/21/2015***	6010C	ND	0.0012	0.030	0.0034	0.0077	0.0014	NA	
	4.20/2016	D010C	ND	0.0034	0.076	0.0031	0.015	0.0071	NΛ	
GEC-5	4/16/2008***	200.7	ND	0.05	ND	0.05	ND	0.05	ND	0.
	9/10/2008000	200.7	ND	0.001	0.0008	B 0.001	ND	0.001	0.003	0.0
	3/3(V2)kWees	6010:200.7	ND	0.0016	ND	0.003	ND	0.0005	0.0170	0.0
	9/29/2009***	6010/200.7	ND	0.0016	ND	0.0029	ND.	0.0005	ND	0.0
		andwater Standard	0.05		0.2		0.1		2.0	
SQI = S NA= N ND= N NG = A	lot Sampled ample Quantitation lot Analyzed lot deserted above unitytical Method trandard USEPA N	SQL not provided by pr	evicus consu	linat	t T	= Sample colle = Sample quan = Detected con = Analysis by I	cted after cor titation limit centration ex coTest due to alysis not with	ucks as well as the appletion of reme is not provided or ceeds calibration of short holding thin control limit	dial actions not availab curve range time	

ATTACHMENT 1

Periodic Review Report Certification Statement and IC/EC Certification Forms

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

- II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)
- 1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.
- 2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.
- 3. If you <u>cannot</u> certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7):

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.
- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.



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



	A Committee of the Comm	Site Details	Box 1	
Site	No. 152006			
Site	Name Jameco Industries, Inc.			
City	Address: 248 Wyandanch Avenue	Zip Code: 11798		
	unty: Suffolk e Acreage: 9.4	as a service to the common and a service of a service of the common services of the common		
Rep	porting Period: May 31, 2015 to May 31	1, 2016		
			YES	NO
1.	Is the information above correct?		V	
	If NO, include handwritten above or on	a separate sheet.		
2.	Has some or all of the site property bee tax map amendment during this Report	en sold, subdivided, merged, or undergone a ting Period?		V
3.	Has there been any change of use at the (see 6NYCRR 375-1.11(d))?	he site during this Reporting Period		V
4.	Have any federal, state, and/or local per for or at the property during this Report	ermits (e.g., building, discharge) been issued ting Period?		V
	If you answered YES to questions 2 that documentation has been previous	thru 4, include documentation or evidence ously submitted with this certification form.		
5.	Is the site currently undergoing develo	pment?		V
			Box 2	
			YES	NO
6.	Is the current site use consistent with tendestrial	the use(s) listed below?	V	
7.	Are all ICs/ECs in place and functioning	ng as designed?	V	
	IF THE ANSWER TO EITHER QU DO NOT COMPLETE THE R	ESTION 6 OR 7 IS NO, sign and date below and EST OF THIS FORM. Otherwise continue.		
Α	Corrective Measures Work Plan must b	e submitted along with this form to address the	se issues	
				, (-
Si	gnature of Owner, Remedial Party or Desi	gnated Representative Date		

SITE NO. 152006

Box 3

Description of Institutional Controls

Parcel

Owner

82-2-37.6 Linzer Products Corp.

Institutional Control

Site Management Plan

Ground Water Use Restriction

Soil Management Plan Landuse Restriction Monitoring Plan

O&M Plan IC/EC Plan

An environmental easement is in place which restricts land use, restricts the use of on-site groundwater and provides for the implementation of the Department approved site management plan.

82-2-73.1

Linzer Products Corp.

Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

An environmental easement is in place which restricts land use, restricts the use of on-site groundwater and provides for the implementation of the Department approved site management plan.

Description of Engineering Controls

Box 4

Parcel

82-2-37.6

Engineering Control

Cover System

Fencing/Access Control

Subsurface soils which were contaminated with metals from discharges of plating solutions were excavated and disposed of off-site at a permitted disposal facility. Those areas were backfilled with certified clean fill material. Residual metals in subsurface soil were treated in-situ via solidification/stabilization. Residual SVOCs in soil and groundwater were treated in-situ via chemical oxidation. Access to the site is restricted by perimeter fencing.

82-2-73.1

Cover System

Fencing/Access Control

Subsurface soils which were contaminated with metals from discharges of plating solutions were excavated and disposed of off-site at a permitted disposal facility. Those areas were backfilled with certified clean fill material. Residual metals in subsurface soil were treated in-situ via solidification/stabilization. Residual SVOCs in soil and groundwater were treated in-situ via chemical oxidation. Access to the site is restricted by perimeter fencing.

_		-
	V	5
Bo	A	0

Periodic Review Report (PRR) Certification Statements
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.
engineering practices; and the information presented is accurate and compete. YES NO
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. 152006

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.

		Linzer Products 248 Wyandanch Ave, West Babylon, NY at
	print name OWNER	print business address
am certif	ying as	10
	, 5	(Owner or Remedial Party
	te named in the Site Details Sect	(Owner or Remedial Party)

IC/EC CERTIFICATIONS

Professional Engineer Signature

Box 7

JUN 2016

Date

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.

Matthew E. Hackman at 97 Asylum Rd., Warwick RI 02886-8001 print name print business address

am certifying as a Professional Engineer for the Owner

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

Stamp (Required for PE)

ATTACHMENT 2

IE/EC Inspection Forms, Inspection Photographs and April 20, 2016 Groundwater Sampling Evaluation Forms

Semi-annual Site Inspection And Groundwater Sampling Former Jameco Facility, Wyandanch, NY

Inspector 1: Andrew Foley	Dat	es on Si	ite: 10-2	22-2015
Inspector 2:	Sta	rt time:	1000	_ Finish time: 1230
roundwater Sampling				
te Management plan has been oundwater monitoring. The Noted 3-31-2016. GEC received water of 2015. Groundwater n	YSDEC had of erbal approva	ficially : I to mak	approve ke this c	ed this change in a lette hange during the
te Inspection Each AOC to be inspected is brid the Nelson & Pope survey plan of	efly described b	elow bu	t GEC in AOC loc	nspectors should refer to ations.
AOC-1, parking area east of loa	ding dock			
Date and time of inspection 10	-22-2015 @ 10	30		
Condition of surface integrity.			A Balance	
Any observed apparent subsurface	ce work in AOC	79 No.	ne	
If yes, describe.	ce work in Aoc		ile.	po aution il della puolisia
				27F) 31F
Any work proposed or anticipate Describe	ed by plant pers	onnel?	None C	Currently Planned
- (Made 13 Control of the Control	alasmiklana ng	7-1109	Hite A	
AOCs-2&5, Plant interior enclo			K6. L2	and Q2
Date and time of inspection	10-22-2015	0 1046	Ways.	ter diash with read
Condition of surface integrity.	Good			200 3 EV 13 1870 C
Any observed apparent subsurfa If yes, describe.	ce work in AO	C? <u>No</u>		
Any work proposed or anticipate Describe			None (Currently Planned
AOC-4, Area of plant including	g stockroom and	d outside	e lawn o	ut to sidewalk.
Date and time of inspection				

C	ondition of surface integrity. Good
A If	ny observed apparent subsurface work in AOC? No yes, describe.
A D	ny work proposed or anticipated by plant personnel? None Currently Planned escribe
D	OC-3, Square parcel extending south of south property line and enclosed by chainlink fer ate and time of inspection I0-22-2015 @ 1035 Ondition of surface integrity. Good
Ai	ny observed apparent subsurface work in AOC? No yes, describe.
Aı De	ny work proposed or anticipated by plant personnel? None Currently Planned escribe
Br	rviews: iefly discuss with knowledgeable plant personnel (Len Zichlin (comptroler, Joe Angelis (plant manager) and/ or Jevan). Describe below.
Su co	bsurface construction or utility work: None Currently Planned or had been inducted
Ex N o	ploration for or use of groundwater under property for process or potable purposes: one Currently planned or had been conducted
ma pr exe	aticipated subsurface work within soil or groundwater beneath Site property: Proposed 3,000 square foot addition to the northeastern section of the site building. This may require removing two catch basins/ dry wells and re-situating them. This coposed site work does not anticipate disturbing any of the Areas of Concern nor cavating to depths that would lead to the necessity of dewatering. Currently in proval processing.

Former Jameco Facility Site Inspection Photos: 10-22-2015

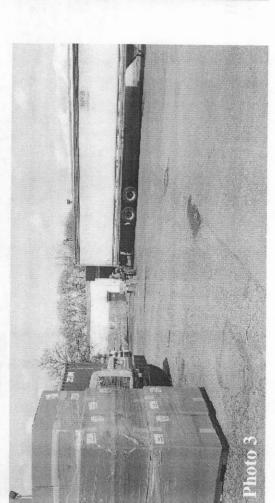
Photo I: (10-22-2015) AOC 3 View looking south west from southwest corner of AOC-1.



site inspection Photos 19:52 1955.

Former Jameco Facility Site Inspection Photos: 10-22-2015

Photos 2-4: (10-22-2015) AOC I. Taken from south side of AOC I.



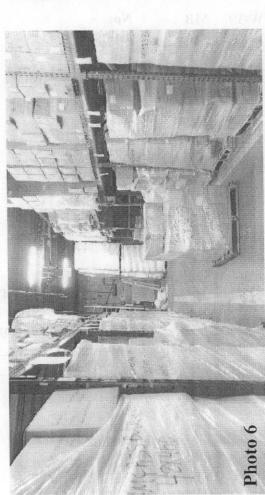


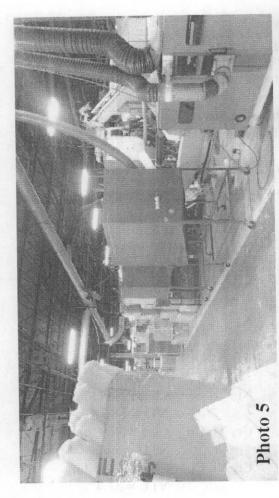


Former Jameco Facility Site Inspection Photos: 10-22-2015

Photo 5 (10-22-2015) AOC 2 and 5. **Production** area of Site Building looking northwest into production area. Photo taken from southwest corner of production area

Photo 6-7: (10-22-2015) AOC 4 Warehouse area of Site Building looking east. Photos taken from west side of warehouse.







Semi-annual Site Inspection And Groundwater Sampling Former Jameco Facility, Wyandanch, NY

Inspector 1: Mike Bradley Dates on Site: 4-20-2016

Inspector 2: Andrew Foley Start time: 0950 Finish time: 1730

Condition and inventory of laboratory provided coolers, containers, labels and COCs: **Good**

Groundwater Sampling

Well	GEC	Start	Collect	Sample	Comment /
#	Inspector	Flow	Sample	Parameters	Observations
MW-2	MB	1100	1130	Ni	Clear/ No Odor NTU= 1.50
MW-3	AF	1042	1110	Ni	Clear/ No Odor NTU=0.86
MW-4	MB	1012	1055	Ni	Clear/ No Odor NTU = 1.50
MW-5R	AF	0909	1031	Ni	Clear/ No Odor NTU=4.86
MW-10	MB	1624	1647	Cr, Ni, Cu	Clear/ No Odor NTU = 6.66
MW-12	AF	1605	1648	Cr, Ni, Cu	Clear/ No Odor NTU = 31.4
MW-19	MB	Not sampled			LNAPL = 0.03
MW-20	MB	Not sampled	The state of the s	The state of the s	Not Sampled due to jammed well cover
MW-21	AF	1418	1436	PAHs	Clear/ No Odor NTU=4.61
MW-23	AF	1224	1253	PAHs	Clear/ No Odor NTU=7.84
MW-26R	AF	1126	1157	Cu, Cr, Ni	Clear/ No Odor NTU = 4.33
MS/MSD	AF		1157	Cu, Cr, Ni	Well # MW-26R
MS/MSD	AF		1436	PAHs	Well # MW-21

1	[a]	horo	tone	Ch	inmen	4
ı		DOES	mrv	>n	inmen	т

Pick-up:	Date: 4/21/2015	Time: NA		
Shipper:	Company	Date:	Time:	
Laboratory:	Essential Environn	nental Technologie	s (EET)	H B
Laboratory Contact	Lina Cabera			24

OC-1, parking area east of loa	ading dock
tate and time of inspection 4-	Good
	12 MOSE 1
- sof, aslongnos, aditol	and the AOC2 No.
ny observed apparent subsurfa	ace work in AOC? No
yes, describe.	uborde e sendenjanor og litt work. Nage Corneg to
any work proposed or anticipat	ted by plant personnel? None Currently Planned
Describe	per l'engle à l'était en ville à l'était de l'engle de l'était de l'engle de l'était de
	echem minare compresentive and court conscious
OCs-285 Plant interior enc	losed by columns P6, L6K6, L2 and Q2
Date and time of inspection	4-20-2016 @ 1200
Condition of surface integrity.	Good
Condition of surface integrity.	Good
,	Good
Any observed apparent subsurf	Good
Any observed apparent subsurf f yes, describe.	Good Face work in AOC? No
Any observed apparent subsurf f yes, describe. Any work proposed or anticipa	Good Face work in AOC? No ated by plant personnel? None Currently Planned
f yes, describe. Any work proposed or anticipa	Good Face work in AOC? No
Any observed apparent subsurf f yes, describe. Any work proposed or anticipa	Good Face work in AOC? No ated by plant personnel? None Currently Planned
Any observed apparent subsurf f yes, describe. Any work proposed or anticipa Describe	Good Face work in AOC? No Ited by plant personnel? None Currently Planned
Any observed apparent subsurf f yes, describe. Any work proposed or anticipa Describe AOC-4. Area of plant including	Good Face work in AOC? No Inted by plant personnel? None Currently Planned In a stockroom and outside lawn out to sidewalk.
Any observed apparent subsurf f yes, describe. Any work proposed or anticipa Describe AOC-4, Area of plant includin Date and time of inspection	Good Face work in AOC? No Ited by plant personnel? None Currently Planned In stockroom and outside lawn out to sidewalk. 4-20-2016 @ 1215
Any observed apparent subsurf f yes, describe. Any work proposed or anticipa Describe AOC-4, Area of plant includin Date and time of inspection	Good Face work in AOC? No Inted by plant personnel? None Currently Planned In a stockroom and outside lawn out to sidewalk.
Any observed apparent subsurf f yes, describe. Any work proposed or anticipa Describe AOC-4, Area of plant includin Date and time of inspection	Good Face work in AOC? No Ited by plant personnel? None Currently Planned In stockroom and outside lawn out to sidewalk. 4-20-2016 @ 1215
Any observed apparent subsurf f yes, describe. Any work proposed or anticipa Describe AOC-4, Area of plant includin Date and time of inspection Condition of surface integrity.	Good Face work in AOC? No Inted by plant personnel? None Currently Planned In stockroom and outside lawn out to sidewalk. 4-20-2016 @ 1215 Good
Any observed apparent subsurf f yes, describe. Any work proposed or anticipa Describe AOC-4, Area of plant includin Date and time of inspection Condition of surface integrity. Any observed apparent subsur	Good Face work in AOC? No Ited by plant personnel? None Currently Planned In stockroom and outside lawn out to sidewalk. 4-20-2016 @ 1215

AOC-3, Square parcel extending south of south property line and enclosed by chainlink fence.

4-20-2016 @ 1230

Good

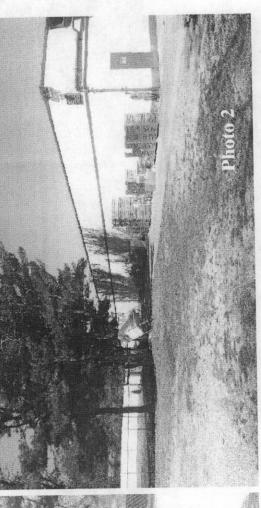
Date and time of inspection Condition of surface integrity.

Any work p Describe	roposed or anticipated by plant personnel? None Currently Planned
	The second of th
terviews:	
	use with knowledgeshie plant 1/I Z' 14
Directly Cition	uss with knowledgeable blant personnel (Len Zichlin (comptroler, Loc
DeAngelis (uss with knowledgeable plant personnel (Len Zichlin (comptroler, Joe plant manager) and/ or Jevan). Describe below
DeAngelis (plant manager) and/ or Jevan). Describe below.
Subsurface of	plant manager) and/ or Jevan). Describe below. construction or utility work: None Currently planned or had been
Subsurface of conducted	plant manager) and/ or Jevan). Describe below. construction or utility work: None Currently planned or had been
Subsurface of conducted Exploration	construction or utility work: None Currently planned or had been for or use of groundwater under property for process or potable purposes:
Subsurface of conducted Exploration	plant manager) and/ or Jevan). Describe below.
Subsurface of conducted Exploration None Curre	construction or utility work: None Currently planned or had been for or use of groundwater under property for process or potable purposes: ently planned or had been conducted
Subsurface of conducted Exploration None Curre	construction or utility work: None Currently planned or had been for or use of groundwater under property for process or potable purposes:

Former Jameco Facility Site Inspection Photos: 4-20-2016

Photos 1&2: (4-20-2016) AOC 3 View looking south west from southwest corner of AOC-1.

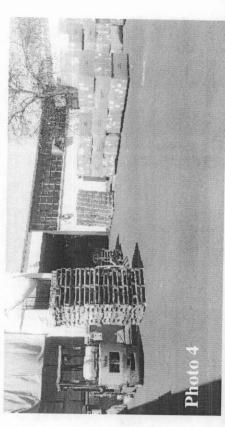




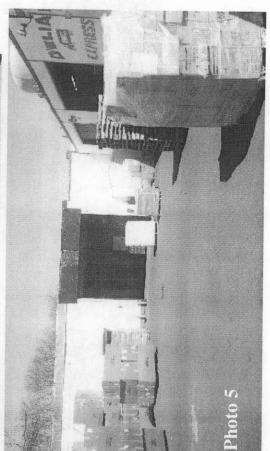
Former Jameco Facility Site Inspection Photos: 4-20-2016



Photos 2-6: (4-20-2016) AOC 1.



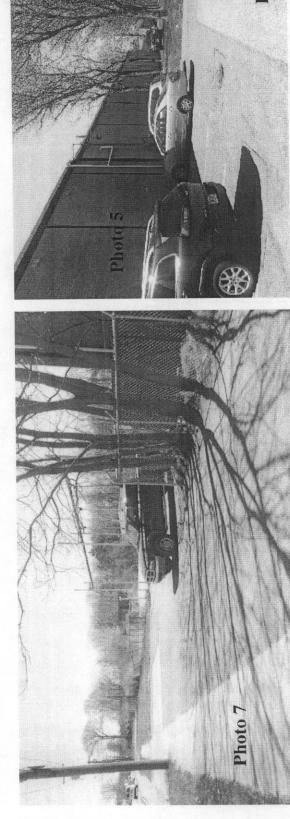


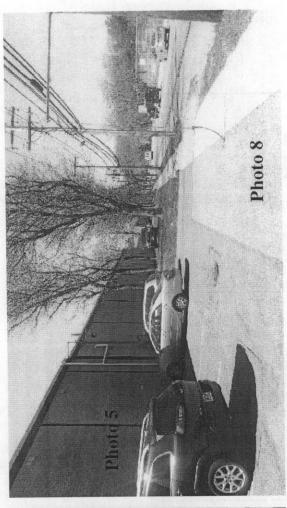


Site Inspection Photos: 4-20-2016 Former Jameco Facility

Photo 7 (4-20-2016) View of entrance to back lot from Wyandanceh, Ave. Looking east of AOC-4

Photo 8: (4-20-2016) AOC 4. Front of Linzer Corporation Building. Looking West into AOC-4





Monitoring Well Purge Data Evaluation Semi-Annual GW Sampling 5-6-2016

Former Jameco Facilty West Babylon, New York

Time	Temp	Specific Conductivity	Dissolved Oxygen	рН	ORP	Turbidity
	(°C)	us/em	(mg/L)			(NTU)
1110	15.58	243	0.57	6.61	10	
1113	15.62	240	0.45	6.56	6	
1117	15.65	239	0.38	6.52	5	
1121	15.66	237	0.35	6.5	4	3.06
1126	15.66	237	0.33	6.46	6	
	0%	0%	6%	1%	330/	

Collect Sample @ 1130

DTW at end of sampling= 9.95'

For Total Nickel

Purged 2 Gallons Water clear w/ no sheen or distintive odor

DTW=12.64°

Start Purge @ 1042

Time	Temp	Specifi Conducti		Dissolved Oxygen	рН	ORP	Turbidity
	(°C)	us/cm		(mg/L)			(NTU)
1052	11.2		110	1.48	6.14	102.8	0.75
1055	11.16		116	1.81	6.14	105.8	
1058	11.18		113	1.6	6.11	110.4	0.85
1101	11.14		109	1.45	6.07	115	
1104	11.2		108	1.38	6.04	117.5	0.86
1107	11.22		108	1.42	6.03	119.6	
	0%		0%	-3%	0%	-2%	

Collect Sample @ 1110

DTW at end of sampling= 12.66

For Total Nickel

Purged 1.75 G

Water clear w/ no sheen or distintive odor

MW-4 Start Purge @ 1012 DTW=10.86

Time	Temp	Specific Conductivity	Dissolved Oxygen	рН	ORP	Turbidity
	(°C)	us/cm	(mg/L)			(NTU)
1023	10.47	110	5. 3.14	7.86	94	
1027	10.48	113	2.98	7.59	94	
1030	10.45	109	2.9	7.5	93	4.92
1035	10.46	10	7 2.83	7.33	91	
1038	10.52	10	7 2.77	7.27	90	
1043	40.49	10	7 2.72	7.17	89	
1047	10.52	107	7 2.7	7.12	89	1.5
1050	10.45	107	7 2.7	7.07	89	
1053	10.52	108	3 2.67	7.04	88	
	-1%	-1%	1%	0%	1%	-1.5

Collect Sample @ 1055

DTW at end of sampling= 11.00'

For Total Nickel

Purge 2.0 G

Water clear w/ no sheen or distintive odor

EPA Low flow stabilization
Turbidity <5NTU or 10% <0.5 mg/L or 10% Specific Conductivity 3% Temp 3% 0.1 ORP +-10miliyolts

GEC SOP

3 consecuitive readings within 20% for all parameters

Former Jameco Facilty West Babylon, New York

MW-5R Start Purge @ 1005	DTW =9.09°
Start Purge @ 1005	

Time	Temp	Speci Conduc	tivity	Dissolved Oxygen	рН	ORP	Turbidity
	(°C)	us/cm		(mg/L)	(millivolts)	(NTU)
1015	11.14		678	0.64	6.16	39	
1018	11.11		699	0.58	6.07	49	
1022	11.08		689	0.5	6.01	56	
1025	11.1		682	0.46	6.01	54	18.4
1028	11.12		674	0.44	5.97	57	7.2
1031	11.12		684	0.42	5.96	58	4.86
	()%		-1%	5%	0%	-2%	

Collect Sample @1035

DTW at end of sampling= 9.11'

For Total Nickel

2 Gallon Purged

MW-10 (deep) DTW =9.71

Start Purge @ 1614

Time	Temp	Specific Conductivity	Dissolved Oxygen	рН	ORP	Turbidity
	(°C)	us/cm	(mg/L)			(NTU)
1624	16.35	202	0.6	5.72	62.7	
1627	16.21	204	0.71	5.71	64.4	4.86
1630	16.11	204	0.56	5.72	62.1	
1633	16.02	204	0.48	5.73	60	9.93
1636	15.97		0.46	5.73	60	6.66
1641	15.89		0.46	5.74	51	
1644	15.92	205	0.46	5.76	56	6.66
	0%	-1%	0%	0%	-9%	1-1-1

Collect Sample @ 1647

e @ 1647 DTW at end of sampling= not measured For Dissolved Copper, Chromium and Nickel

purged 2.5 Gallon

Water clear w/ no sheen or distintive odor
Elevated turbidity typical for this monitoring well not observed. GEC used a
peristalitic pump for this deep well, which did not disturb silt at bottom of well.

MW-12 (shallow) DTW = 9.67 Start Purge @ 1605

Time	Temp	Specific Conductivity us/cm	Oxygen (mg/L)	рН	ORP	Turbidity (NTU)
1615	17.71	178		5.86	106	
1618	17.68	193	0.22	5.82	122	125
1621	17.7		0.2	5.81	132	
1624	17.67	199	0.24	5.83	119	63.2
1628	17.73	207	0.28	5.82	115	44.2
1631	17.72	207	0.27	5.81	111	42.6
1634	17.73	208	0.26	5.81	107	40.5
1637		212	0.26	5.79	108	
1640			0.25	5.77	108	29.9
1643		213	0.24	5.77	104	31.4
	0%	1%	4%	0%	4%	

Collect Sample @ 1648

DTW at end of sampling= 9.69'

For Dissolved Copper, Chromium and Nickel

Water clear w/ no sheen or distintive odor

MW-19

DTW = 9.50° DTP=9.47° LNAPL Thickeness = 0.03'

Not sampled due to the presence of LNAPL

MW-20

Not sampled Road Box damaged previously. A repair was made previously, but replacement cover wedged in road box. GEC was unable to remove.

Monitoring Well Purge Data Evaluation Semi-Annual GW Sampling 5-6-2016

Former Jameco Facilty West Babylon, New York

Гime	Temp	Specific Conductivity	Dissolved Oxygen	рН	ORP	Turbidity
	(°C)	us/cm	(mg/L)			(NTU)
1418	15.8	449	0.54	5.85	101	
1421	15.79	447	0.25	5.84	98.5	22.6
1424	15.85	445	0.23	5.92	90.7	
1427	15.85	441	0.25	5.94	85	13.1
1430	15.84	442	0.22	5.95	80.5	7.39
1433	15.88	441	0.2	5.96	76.9	4.61
	0%	0%	10%	0%	5%	

Collect Sample @ 1436 DTW at end of sampling= 9.66' For PAHs (8270C) Collect MS and MS DUP purged 2 Gallons

Water clear w/ no sheen or distintive odor

MW-23 DTW = 9.37

Start Purge @1314

Time	Temp	Specific Conductivity	Dissolved Oxygen	рН	ORP	Turbidity
	(°C)	us/cm	(mg/L)			(NTU)
1224	11.72	280	0.33	5.73	76.8	15.5
1227	11.8	282	0.27	5.71	78.7	
1230	11.8	283	0.22	5.69	79.1	10.1
1233	11.82	285	0.21	5.68	78.9	
1236	11.69	284	0.2	5.67	78.3	9.32
1239	11.72	285	0.21	5.66	79.6	
1242	11.82	289	0.2	5.65	80.6	9.64
1245	11.76	291	0.18	5.65	81.5	8.46
1248	11.77	300	0.21	5.65	81.5	8.36
1251	11.82	298	0.19	5.65	81	7.84
	0%	0%	-5%	0%	-29/.	

Collect Sample @ 1253 DTW at end of sampling= 9.45'

For PAHs (8270C)

purge 1.75 G Water clear w/ no sheen or distintive odor

MW-26R		DTW	=	9,99
C D	C 4460			

Start Purge (à 1126

Time	Тетр	Specific Conductivity	Dissolved Oxygen	рН	ORP	Turbidity
	(°C)	us/cm	(mg/L)			(NTU)
1136	13.83	439	0.42	6.26	-7.6	16.7
1139	13.82	456	0.43	6.26	-15.5	
1142	13.82	470	0.45	6.3	-22	
1145	13.82	476	0.4	6.32	-25.8	6.99
1148	13.83	490	0.39	6.34	-29	
1151	13.86	491	0.36	6.35	-31.2	5.4
1154	13.85	506	0.33	6.35	-31.9	4.33
	0%	-3%	9%	0%	-2%	

Collect Sample @ 1157

(@ 1157 DTW at end of sampling= Not measured For Nickel, Copper and Chormium MS and MS DUP also collected

Purged 2 Gallons Water clear w/ no sheen or distintive odor

ATTACHMENT 3

Groundwater Analytical Reports from Essential Environmental Technologies

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

4/29/2016

ANALYTICAL REPORT

<u>Laboratory Identifier: 1604172</u>

Received: 4/21/2016 16:08 Sampled by: Michael Bradley

Client: Goldman Environmental Consultants

60 Brooks Avenue Braintree, MA 02184

Project: Linzer Groundwater Monitoring

248 Wyandanch Ave Wyandanch, NY

Area: 1744.4030

Manager: Michael Bradley

Respectfully submitted,

Juan R.Cuba - Technical Director

NYS Lab ID # 10969 NJS Lab ID # NY035

The information contained in this report is confidential and intended only for the use of the client listed above. This report shall not be reproduced, except in full, without the written consent of Essential Environmental Technologies, Inc. Analytical results relate to the samples AS RECEIVED BY THE LABORATORY.

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208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

4/29/2016

Semivolatile Compounds - EPA 8270D

Sample: 1604172-7

Client Sample ID: MW-21

Matrix: Liquid Remarks:

Analyzed Date: 4/28/2016

Preparation Date(s): 4/26/2016 by Method: 3510C

Type: Grab

Collected: 4/20/2016 14:36

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
1,2,4-Trichlorobenzene	1	ND	3.20	25.0	ug/L	U
1,2-Dichlorobenzene	1	ND	3.25	25.0	ug/L	U
1,2-Diphenylhydrazine	1	ND	5.10	25.0	ug/L	U
1,3-Dichlorobenzene	1	ND	3.40	25.0	ug/L	U
1,4-Dichlorobenzene	1	ND	3.65	25.0	ug/L	U
2,3,4,6-Tetrachlorophenol	1	ND	3.60	25.0	ug/L	U
2,4,5-Trichlorophenol	1	ND	2.60	25.0	ug/L	U
2,4,6-Trichlorophenol	1	ND	4.20	25.0	ug/L	U
2,4-Dichlorophenol	1	ND	3.60	25.0	ug/L	U
2,4-Dimethylphenol	1	ND	4.50	25.0	ug/L	U
2,4-Dinitrophenol	1	ND	8.05	125	ug/L	U
2,4-Dinitrotoluene	1	ND	3.75	25.0	ug/L	U
2,6-Dinitrotoluene	1	ND	4.95	25.0	ug/L	U
2-Chloronaphthalene	1	ND	4.00	25.0	ug/L	U
2-Chlorophenol	1	ND	3.20	25.0	ug/L	U
2-Methylnaphthalene	1	ND	3.70	25.0	ug/L	U
2-Methylphenol	1	ND	2.30	25.0	ug/L	U
2-Nitroaniline	1	ND	2.45	25.0	ug/L	U
2-Nitrophenol	1	ND	3.10	25.0	ug/L	U
3+4-Methylphenol	1	ND	1.55	25.0	ug/L	U
3,3'-Dichlorobenzidine	1	ND	6.65	25.0	ug/L	U
3-Nitroaniline	1	ND	1.70	25.0	ug/L	U
4,6-Dinitro-2-methylphenol	10	ND	2.35	25.0	ug/L	U
4-Bromophenyl phenyl ether	1	ND	5.05	25.0	ug/L	U
4-Chloro-3-methylphenol	1	ND	3.65	25.0	ug/L	U
4-Chloroaniline	1	ND	2.10	25.0	ug/L	U
4-Chlorophenyl phenyl ether	1	ND	4.30	25.0	ug/L	L
4-Nitroaniline	1	ND	2.60	25.0	ug/L	L
4-Nitrophenol	1	ND	8.05	125	ug/L	U
Acenaphthene	10 0 1	ND	3.85	25.0	ug/L	l
Acenaphthylene	1	ND	3.70	25.0	ug/L	L
Aniline	1	ND	2.30	25.0	ug/L	L

Page: 2 of 20

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

4/29/2016

Collected: 4/20/2016 14:36

Semivolatile Compounds - EPA 8270D

Analytical Results

Sample: 1604172-7

Client Sample ID: MW- 21

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/28/2016

Preparation Date(s): 4/26/2016 by Method: 3510C

10C

Analyte	DF	Result	LOD	LOQ	Units	Q
Anthracene	1	ND	4.40	25.0	ug/L	U
Benzidine	1	ND	241	500	ug/L	U
Benzo(a)anthracene	1	ND	4.80	25.0	ug/L	U
Benzo(a)pyrene	1	ND	4.10	25.0	ug/L	U
Benzo(b)fluoranthene	1	ND	4.25	25.0	ug/L	U
Benzo(g,h,i)perylene	6 E 1	ND	4.25	25.0	ug/L	U
Benzo(k)fluoranthene	ar s 1	ND	8.45	25.0	ug/L	U
Benzoic acid	1	ND	50.0	250	ug/L	U
Benzyl alcohol	1	ND	2.05	25.0	ug/L	U
Butyl benzyl phthalate	1	ND	5.30	25.0	ug/L	U
Carbazole	1	ND	9.95	50.0	ug/L	U
Chrysene	1	ND	5.00	25.0	ug/L	U
Cresols	1	ND	3.85	25.0	ug/L	U
Di-n-butyl phthalate	1	ND	5.40	25.0	ug/L	U
Di-n-octyl phthalate	1	ND	6.40	25.0	ug/L	U
Dibenz(a,h)anthracene	1	ND	5.00	25.0	ug/L	U
Dibenzofuran	1	ND	3.10	25.0	ug/L	U
Diethyl phthalate	1	ND	5.00	25.0	ug/L	U
Dimethyl phthalate	1	16.7	3.90	25.0	ug/L	BJ
Fluoranthene	1	ND	4.80	25.0	ug/L	U
Fluorene	1	ND	4.10	25.0	ug/L	U
Hexachlorobenzene	1	ND	4.30	25.0	ug/L	U
Hexachlorobutadiene	1	ND	3.90	25.0	ug/L	U
Hexachlorocyclopentadiene	1	ND	1.05	25.0	ug/L	U
Hexachloroethane	1	ND	3.45	25.0	ug/L	U
Indeno(1,2,3-cd)pyrene	1	ND	4.50	25.0	ug/L	U
Isophorone	1	ND	3.45	25.0	ug/L	U
N-Nitrosodi-n-propylamine	1	ND	2.85	25.0	ug/L	U
N-Nitrosodiphenylamine	1	ND	5.45	25.0	ug/L	U
Naphthalene	1	ND	3.90	25.0	ug/L	U
Nitrobenzene	1	ND	3.55	25.0	ug/L	U
Pentachlorophenol	1	ND	3.25	25.0	ug/L	U

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208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

4/29/2016

Semivolatile Compounds - EPA 8270D

Sample: 1604172-7

Client Sample ID: MW-21

Matrix: Liquid

Remarks: Analyzed Date: 4/28/2016

Preparation Date(s): 4/26/2016 by Method: 3510C

Collected: 4/20/2016 14:36

Type: Grab

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Phenanthrene	1	ND	4.75	25.0	ug/L	U
Phenol	1	ND	1.65	25.0	ug/L	U
Pyrene	1	ND	4.25	25.0	ug/L	U
Pyridine	1	ND	1.85	25.0	ug/L	U
bis(2-Chloroethoxy)methane	1	ND	3.50	25.0	ug/L	U
bis(2-Chloroethyl)ether	1	ND	2.85	25.0	ug/L	U
bis(2-Chloroisopropyl)ether	1	ND	3.70	25.0	ug/L	U
bis(2-Ethylhexyl)phthalate	1	ND	6.30	25.0	ug/L	U

Surrogate Results

Analyte	DF	% Recovery	QC Limits	Q
2.4.6-TRIBROMOPHENOL	1	73.4 %	(10-123)	
	1	43.0 %	(43 - 116)	D
	1	26.7 %	(21 - 110)	MALK
	1	43.7 %	(35 - 114)	pli i
PHENOL-D6	1	18.0 %	(10-110)	Brack.
TERPHENYL-D14	1	67.1 %	(33 - 141)	
	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL 2-FLUOROPHENOL NITROBENZENE-D5 PHENOL-D6	2,4,6-TRIBROMOPHENOL 1 2-FLUOROBIPHENYL 1 2-FLUOROPHENOL 1 NITROBENZENE-D5 1 PHENOL-D6 1	2,4,6-TRIBROMOPHENOL 1 73.4 % 2-FLUOROBIPHENYL 1 43.0 % 2-FLUOROPHENOL 1 26.7 % NITROBENZENE-D5 1 43.7 % PHENOL-D6 1 18.0 %	2,4,6-TRIBROMOPHENOL 1 73.4 % (10 - 123) 2-FLUOROBIPHENYL 1 43.0 % (43 - 116) 2-FLUOROPHENOL 1 26.7 % (21 - 110) NITROBENZENE-D5 1 43.7 % (35 - 114) PHENOL-D6 1 18.0 % (10 - 110)

Page: 4 of 20

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

4/29/2016

Collected: 4/20/2016 14:36

Semivolatile Compounds - EPA 8270D

Sample: 1604172-7MS Client Sample ID: MW- 21

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/28/2016

Preparation Date(s): 4/26/2016 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
1,2,4-Trichlorobenzene	1	44.9	3.20	25.0	ug/L	- 4
1,2-Dichlorobenzene	1	48.0	3.25	25.0	ug/L	
1,2-Diphenylhydrazine	1	67.4	5.10	25.0	ug/L	
1,3-Dichlorobenzene	1	47.3	3.40	25.0	ug/L	
1,4-Dichlorobenzene	1	49.6	3.65	25.0	ug/L	
2,3,4,6-Tetrachlorophenol	1	92.3	3.60	25.0	ug/L	
2,4,5-Trichlorophenol	1	71.4	2.60	25.0	ug/L	1
2,4,6-Trichlorophenol	1	57.6	4.20	25.0	ug/L	
2,4-Dichlorophenol	1	48.6	3.60	25.0	ug/L	-
2,4-Dimethylphenol	1	34.5	4.50	25.0	ug/L	-
2,4-Dinitrophenol	1	ND	8.05	125	ug/L	TU
2,4-Dinitrotoluene	1	67.0	3.75	25.0	ug/L	+ 0
2,6-Dinitrotoluene	1	65.2	4.95	25.0	ug/L	-
2-Chloronaphthalene	1	48.5	4.00	25.0	ug/L	
2-Chlorophenol	1	45.7	3.20	25.0	ug/L ug/L	
2-Methylnaphthalene	1	54.5	3.70	25.0	ug/L ug/L	
2-Methylphenol	1	47.5	2.30	25.0	ug/L ug/L	
2-Nitroaniline	1	67.6	2.45	25.0	ug/L	-
2-Nitrophenol	1	40.8	3.10	25.0	ug/L	-
3+4-Methylphenol	1	49.0	1.55	25.0	ug/L	_
3,3'-Dichlorobenzidine	1	ND	6.65	25.0	ug/L	U
3-Nitroaniline	1	68.2	1.70	25.0	ug/L	+
4,6-Dinitro-2-methylphenol	1	ND	2.35	25.0	ug/L	U
4-Bromophenyl phenyl ether	1	68.4	5.05	25.0	ug/L	+
4-Chloro-3-methylphenol	1	67.4	3.65	25.0	ug/L	+
4-Chloroaniline	1	41.5	2.10	25.0	ug/L	-
4-Chlorophenyl phenyl ether	1	62.8	4.30	25.0	ug/L	-
4-Nitroaniline	1	60.1	2.60	25.0	ug/L	+
4-Nitrophenol	1	28.2	8.05	125	ug/L	J
Acenaphthene	1	57.0	3.85	25.0	ug/L	1 0
Acenaphthylene	1	54.7	3.70	25.0	ug/L	-
Aniline	1	27.7	2.30	25.0	ug/L	-

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208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

4/29/2016

Semivolatile Compounds - EPA 8270D

Sample: 1604172-7MS

Client Sample ID: MW-21

Matrix: Liquid

Remarks: Analyzed Date: 4/28/2016

Preparation Date(s): 4/26/2016 by Method: 3510C

Type: Grab

Collected: 4/20/2016 14:36

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Anthracene	1	67.8	4.40	25.0	ug/L	The second
Benzidine	1	ND	241	500	ug/L	U
Benzo(a)anthracene	1	65.9	4.80	25.0	ug/L	D TUNE
Benzo(a)pyrene	1	55.9	4.10	25.0	ug/L	
Benzo(b)fluoranthene	1	52.2	4.25	25.0	ug/L	
Benzo(g,h,i)perylene	1	37.9	4.25	25.0	ug/L	E Sh
Benzo(k)fluoranthene	1	58.9	8.45	25.0	ug/L	
Benzoic acid	1	ND	50.0	250	ug/L	U
Benzyl alcohol	1	49.5	2.05	25.0	ug/L	
Butyl benzyl phthalate	1	86.0	5.30	25.0	ug/L	200
Carbazole	1	66.1	9.95	50.0	ug/L	
Chrysene	1	49.2	5.00	25.0	ug/L	N Comment
Cresols	1	96.5	3.85	25.0	ug/L	
Di-n-butyl phthalate	1	84.2	5.40	25.0	ug/L	
Di-n-octyl phthalate	1	79.3	6.40	25.0	ug/L	
Dibenz(a,h)anthracene	1	28.2	5.00	25.0	ug/L	
Dibenzofuran	1	61.0	3.10	25.0	ug/L	
Diethyl phthalate	1	72.8	5.00	25.0	ug/L	
Dimethyl phthalate	1	89.8	3.90	25.0	ug/L	В
Fluoranthene	1	70.3	4.80	25.0	ug/L	
Fluorene	1	66.1	4.10	25.0	ug/L	
Hexachlorobenzene	1	69.8	4.30	25.0	ug/L	8
Hexachlorobutadiene	1	39.6	3.90	25.0	ug/L	
Hexachlorocyclopentadiene	1	ND	1.05	25.0	ug/L	U
Hexachloroethane	1	52.2	3.45	25.0	ug/L	
Indeno(1,2,3-cd)pyrene	1	42.4	4.50	25.0	ug/L	
Isophorone	1	67.8	3.45	25.0	ug/L	
N-Nitrosodi-n-propylamine	1	64.2	2.85	25.0	ug/L	
N-Nitrosodiphenylamine	1	78.4	5.45	25.0	ug/L	
Naphthalene	1	55.9	3.90	25.0	ug/L	
Nitrobenzene	1	50.5	3.55	25.0	ug/L	
Pentachlorophenol	1	131	3.25	25.0	ug/L	

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208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

4/29/2016

Semivolatile Compounds - EPA 8270D

Sample: 1604172-7MS

Client Sample ID: MW-21

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/28/2016

Preparation Date(s): 4/26/2016 by Method: 3510C

Collected: 4/20/2016 14:36

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Phenanthrene	1	69.0	4.75	25.0	ug/L	-
Phenol	1	ND	1.65	25.0	ug/L	U
Pyrene	1	67.0	4.25	25.0	ug/L	
Pyridine	1	ND	1.85	25.0	ug/L	U
bis(2-Chloroethoxy)methane	1	53.5	3.50	25.0	ug/L	+
bis(2-Chloroethyl)ether	1	49.3	2.85	25.0	ug/L	
bis(2-Chloroisopropyl)ether	1	54.5	3.70	25.0	ug/L	
bis(2-Ethylhexyl)phthalate	1	87.8	6.30	25.0	ug/L	1

Surrogate Results

Cas No	Analyte	DF	% Recovery	QC Limits	IQ
118-76-6	2,4,6-TRIBROMOPHENOL	1	79.2 %	(10 - 123)	-
321-60-8	2-FLUOROBIPHENYL	1	42.9 %	(43 - 116)	D
367-12-4	2-FLUOROPHENOL	1	24.3 %	(21 - 110)	-
4165-60-0	NITROBENZENE-D5	1	38.8 %	(35 - 114)	
3127-88-3	PHENOL-D6	1	18.7 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	1	70.3 %	(33 - 141)	-

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208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

4/29/2016

Collected: 4/20/2016 14:36

Semivolatile Compounds - EPA 8270D

Sample: 1604172-7MS

Client Sample ID: MW-21

Type: Grab

Matrix: Liquid Remarks:

Analyzed Date: 4/28/2016

Preparation Date(s): 4/26/2016 by Method: 3510C

Matrix Spike Results

Cas No	Analyte	DF	% Recovery	QC Limits	Q
120-82-1	1,2,4-TRICHLOROBENZENE	1	44.9 %	(15- 110)	
95-50-1	1,2-DICHLOROBENZENE	1	.0 %	(00-00)	io.
106-46-7	1,4-DICHLOROBENZENE	1	49.6 %	(07 - 110)	
121-14-2	2,4-DINITROTOLUENE	1	67.0 %	(16- 110)	Iq.
95-57-8	2-CHLOROPHENOL	1	45.7 %	(10- 110)	ħ.
91-57-6	2-METHYLNAPHTHALENE	1	.0 %	(00 - 110)	
59-50-7	4-CHLORO-3-METHYLPHENOL	1	67.4 %	(15- 110)	
100-02-7	4-NITROPHENOL	1	28.2 %	(10 - 110)	
83-32-9	ACENAPHTHENE	1	28.5 %	(08 - 110)	10
208-96-8	ACENAPHTHYLENE	1	54.7 %	(16- 110)	10
50-32-8	BENZO(A)PYRENE	1	55.9 %	(28 - 141)	10
132-64-9	DIBENZOFURAN	1	.0 %	(00 - 110)	10
78-59-1	ISOPHORONE	1	.0 %	(00 - 110)	
621-64-7	N-NITROSODI-N-PROPYLAMINE	1	64.2 %	(09- 110)	
91-20-3	NAPHTHALENE	1	55.9 %	(10 - 110)	0.11
87-86-5	PENTACHLOROPHENOL	1	131.0 %	(15- 110)	
108-95-2	PHENOL	1	.0 %	(11 - 110)	
129-00-0		1	33.5 %	(33 - 123)	

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208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

4/29/2016

Collected: 4/20/2016 14:36

Semivolatile Compounds - EPA 8270D

Sample: 1604172-7MSD

Client Sample ID: MW-21

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/28/2016

Preparation Date(s): 4/26/2016 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
1,2,4-Trichlorobenzene	1	37.0	3.20	25.0	ug/L	1
1,2-Dichlorobenzene	1	41.0	3.25	25.0	ug/L	
1,2-Diphenylhydrazine	1	60.1	5.10	25.0	ug/L	
1,3-Dichlorobenzene	1	36.6	3.40	25.0	ug/L	+
1,4-Dichlorobenzene	1	41.8	3.65	25.0	ug/L	+
2,3,4,6-Tetrachlorophenol	1	92.3	3.60	25.0	ug/L	+
2,4,5-Trichlorophenol	1	62.8	2.60	25.0	ug/L	
2,4,6-Trichlorophenol	1	52.4	4.20	25.0	ug/L	
2,4-Dichlorophenol	1	45.9	3.60	25.0	ug/L	
2,4-Dimethylphenol	1	11.0	4.50	25.0	ug/L	J
2,4-Dinitrophenol	1	ND	8.05	125	ug/L	U
2,4-Dinitrotoluene	1	60.7	3.75	25.0	ug/L	1
2,6-Dinitrotoluene	1	60.1	4.95	25.0	ug/L	1
2-Chloronaphthalene	1	45.7	4.00	25.0	ug/L	+
2-Chlorophenol	1	37.0	3.20	25.0	ug/L	-
2-Methylnaphthalene	1	49.6	3.70	25.0	ug/L	
2-Methylphenol	1	33.8	2.30	25.0	ug/L	-
2-Nitroaniline	1	61.7	2.45	25.0	ug/L	+
2-Nitrophenol	1	30.9	3.10	25.0	ug/L	
3+4-Methylphenol	1	35.4	1.55	25.0	ug/L	
3,3'-Dichlorobenzidine	1	ND	6.65	25.0	ug/L	U
3-Nitroaniline	1	61.9	1.70	25.0	ug/L	+
4,6-Dinitro-2-methylphenol	1	ND	2.35	25.0	ug/L	U
4-Bromophenyl phenyl ether	1	58.0	5.05	25.0	ug/L	+
4-Chloro-3-methylphenol	1	60.1	3.65	25.0	ug/L	-
4-Chloroaniline	1	35.3	2.10	25.0	ug/L	
4-Chlorophenyl phenyl ether	1	58.3	4.30	25.0	ug/L	
4-Nitroaniline	1	58.5	2.60	25.0	ug/L	
4-Nitrophenol	1	ND	8.05	125	ug/L	U
Acenaphthene	1	51.1	3.85	25.0	ug/L	+
Acenaphthylene	1	50.1	3.70	25.0	ug/L	
Aniline	1	23.0	2.30	25.0	ug/L	J

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208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

4/29/2016

Semivolatile Compounds - EPA 8270D

Sample: 1604172-7MSD

Client Sample ID: MW-21

Matrix: Liquid Remarks:

Analyzed Date: 4/28/2016

Preparation Date(s): 4/26/2016 by Method: 3510C

Type: Grab

Collected: 4/20/2016 14:36

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Anthracene	1	61.9	4.40	25.0	ug/L	Marie of
Benzidine	1	ND	241	500	ug/L	U
Benzo(a)anthracene	100	59.9	4.80	25.0	ug/L	900
Benzo(a)pyrene	1	51.0	4.10	25.0	ug/L	d Die
Benzo(b)fluoranthene	1	48.4	4.25	25.0	ug/L	A SP
Benzo(g,h,i)perylene	1	43.0	4.25	25.0	ug/L	8 8,18
Benzo(k)fluoranthene	1	62.2	8.45	25.0	ug/L	
Benzoic acid	1	ND	50.0	250	ug/L	U
Benzyl alcohol	1	41.8	2.05	25.0	ug/L	
Butyl benzyl phthalate	1	77.2	5.30	25.0	ug/L	al o
Carbazole	1	61.8	9.95	50.0	ug/L	
Chrysene	1	46.4	5.00	25.0	ug/L	
Cresols	1	69.2	3.85	25.0	ug/L	
Di-n-butyl phthalate	1	77.9	5.40	25.0	ug/L	
Di-n-octyl phthalate	1	74.9	6.40	25.0	ug/L	
Dibenz(a,h)anthracene	1	27.0	5.00	25.0	ug/L	
Dibenzofuran	1	55.9	3.10	25.0	ug/L	
Diethyl phthalate	1	65.8	5.00	25.0	ug/L	
Dimethyl phthalate	1	88.5	3.90	25.0	ug/L	В
Fluoranthene	1	67.0	4.80	25.0	ug/L	
Fluorene	1	60.7	4.10	25.0	ug/L	
Hexachlorobenzene	1	60.8	4.30	25.0	ug/L	
Hexachlorobutadiene	1	34.0	3.90	25.0	ug/L	
Hexachlorocyclopentadiene	1	ND	1.05	25.0	ug/L	U
Hexachloroethane	1	38.8	3.45	25.0	ug/L	
Indeno(1,2,3-cd)pyrene	1	37.7	4.50	25.0	ug/L	
Isophorone	1	60.3	3.45	25.0	ug/L	
N-Nitrosodi-n-propylamine	1	55.5	2.85	25.0	ug/L	
N-Nitrosodiphenylamine	1	67.7	5.45	25.0	ug/L	
Naphthalene	1	49.0	3.90	25.0	ug/L	
Nitrobenzene	1	40.6	3.55	25.0	ug/L	
Pentachlorophenol	1	118	3.25	25.0	ug/L	

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208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

4/29/2016

Collected: 4/20/2016 14:36

Semivolatile Compounds - EPA 8270D

Sample: 1604172-7MSD

Client Sample ID: MW-21

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/28/2016

Preparation Date(s): 4/26/2016 by Method: 3510C

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Phenanthrene	1	62.8	4.75	25.0	ug/L	-
Phenol	1	ND	1.65	25.0	ug/L	U
Pyrene	1	59.9	4.25	25.0	ug/L	
Pyridine	1	ND	1.85	25.0	ug/L	U
bis(2-Chloroethoxy)methane	1	45.9	3.50	25.0	ug/L	-
bis(2-Chloroethyl)ether	1	41.6	2.85	25.0	ug/L	
bis(2-Chloroisopropyl)ether	1	45.8	3.70	25.0	ug/L	
bis(2-Ethylhexyl)phthalate	1	82.9	6.30	25.0	ug/L	

Surrogate Results

Cas No	Analyte	DF	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	1	68.5 %	(10-123)	
321-60-8	2-FLUOROBIPHENYL	1	39.6 %	(43 - 116)	D
367-12-4	2-FLUOROPHENOL	1	20.5 %	(21 - 110)	D
4165-60-0	NITROBENZENE-D5	1	34.0 %	(35 - 114)	D
13127-88-3	PHENOL-D6	1	17.2 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	1	63.2 %	(33 - 141)	

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4/29/2016

Semivolatile Compounds - EPA 8270D

Sample: 1604172-7MSD

Client Sample ID: MW-21

Matrix: Liquid

Remarks: Analyzed Date: 4/28/2016

Preparation Date(s): 4/26/2016 by Method: 3510C

Collected: 4/20/2016 14:36

Type: Grab

Matrix Spike Results

Cas No	Analyte	DF	% Recovery	QC Limits	Q
120-82-1	1,2,4-TRICHLOROBENZENE	1	37.0 %	(15- 110)	
95-50-1	1,2-DICHLOROBENZENE	1	.0 %	(00-00)	
106-46-7	1,4-DICHLOROBENZENE	1	41.8 %	(07 - 110)	ink
121-14-2	2,4-DINITROTOLUENE	1	60.7 %	(16- 110)	
95-57-8	2-CHLOROPHENOL	1	37.0 %	(10- 110)	
91-57-6	2-METHYLNAPHTHALENE	1	.0 %	(00-110)	
59-50-7	4-CHLORO-3-METHYLPHENOL	1	60.1 %	(15- 110)	
100-02-7	4-NITROPHENOL	1	.0 %	(10- 110)	D
83-32-9	ACENAPHTHENE	1	25.5 %	(08 - 110)	
208-96-8	ACENAPHTHYLENE	1	50.1 %	(16 - 110)	
50-32-8	BENZO(A)PYRENE	1	51.0 %	(28 - 141)	
132-64-9	DIBENZOFURAN	1	.0 %	(00 - 110)	
78-59-1	ISOPHORONE	1,	.0 %	(00 - 110)	
621-64-7	N-NITROSODI-N-PROPYLAMINE	1	55.5 %	(09 - 110)	
91-20-3	NAPHTHALENE	1	49.0 %	(10- 110)	
87-86-5	PENTACHLOROPHENOL	1	118.0 %	(15- 110)	D
108-95-2	PHENOL	1	.0 %	(11- 110)	D
129-00-0	PYRENE	1	30.0 %	(33 - 123)	D

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4/29/2016

Collected: 4/20/2016 12:53

Semivolatile Compounds - EPA 8270D

Sample: 1604172-9

Client Sample ID: MW-23

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/28/2016

Preparation Date(s): 4/26/2016 by Method: 3510C

Analytical Results

DF	Result	LOD	LOQ	Units	Q
1	ND	3.20	25.0	ug/L	U
1	ND	3.25	25.0		U
1	ND	5.10	25.0		U
1	ND	3.40			U
1	ND	3.65			U
1	ND				U
1	ND				U
1	ND				U
1					U
1					U
					U
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					U
					U
	1	1 ND	1 ND 3.20 1 ND 3.25 1 ND 5.10 1 ND 3.40 1 ND 3.65 1 ND 3.65 1 ND 3.60 1 ND 3.60 1 ND 4.20 1 ND 4.20 1 ND 4.50 1 ND 4.50 1 ND 4.95 1 ND 4.95 1 ND 3.70 1 ND 3.665 1 ND 3.65 1 ND 4.30 1 ND 3.85	1	1 ND 3.20 25.0 ug/L 1 ND 3.25 25.0 ug/L 1 ND 5.10 25.0 ug/L 1 ND 3.40 25.0 ug/L 1 ND 3.65 25.0 ug/L 1 ND 3.65 25.0 ug/L 1 ND 3.66 25.0 ug/L 1 ND 3.60 25.0 ug/L 1 ND 3.75 25.0 ug/L 1 ND 3.70 25.0 ug/L 1 ND 3.70 25.0 ug/L 1 ND 3.10 25.0 ug/L 1 ND 3.665 25.0 ug/L 1 ND 3.65 25.0 ug/L 1 ND 3.665 25.0 ug/L 1 ND 3.665 25.0 ug/L 1 ND 2.35 25.0 ug/L 1 ND 3.65 25.0 ug/L 1 ND 2.35 25.0 ug/L 1 ND 2.35 25.0 ug/L 1 ND 2.35 25.0 ug/L 1 ND 2.50 25.0 ug/L

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4/29/2016

Semivolatile Compounds - EPA 8270D

Sample: 1604172-9

Client Sample ID: MW-23

Matrix: Liquid

Remarks: Analyzed Date: 4/28/2016

Preparation Date(s): 4/26/2016 by Method: 3510C

Type: Grab

Collected: 4/20/2016 12:53

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Anthracene	1	ND	4.40	25.0	ug/L	U
Benzidine	1	ND	241	500	ug/L	U
Benzo(a)anthracene	1	ND	4.80	25.0	ug/L	U
Benzo(a)pyrene	1	ND	4.10	25.0	ug/L	U
Benzo(b)fluoranthene	1	ND	4.25	25.0	ug/L	U
Benzo(g,h,i)perylene	1	ND	4.25	25.0	ug/L	U
Benzo(k)fluoranthene	1	ND	8.45	25.0	ug/L	U
Benzoic acid	1	ND	50.0	250	ug/L	U
Benzyl alcohol	- 1	ND	2.05	25.0	ug/L	U
Butyl benzyl phthalate	1	ND	5.30	25.0	ug/L	U
Carbazole	1	ND	9.95	50.0	ug/L	U
Chrysene	1	ND	5.00	25.0	ug/L	U
Cresols	1	ND	3.85	25.0	ug/L	U
Di-n-butyl phthalate	1	ND	5.40	25.0	ug/L	U
Di-n-octyl phthalate	1	ND	6.40	25.0	ug/L	U
Dibenz(a,h)anthracene	1	ND	5.00	25.0	ug/L	U
Dibenzofuran	1	ND	3.10	25.0	ug/L	U
Diethyl phthalate	1	ND	5.00	25.0	ug/L	U
Dimethyl phthalate	1	19.6	3.90	25.0	ug/L	В
Fluoranthene	1	ND	4.80	25.0	ug/L	U
Fluorene	1	ND	4.10	25.0	ug/L	U
Hexachlorobenzene	1	ND	4.30	25.0	ug/L	U
Hexachlorobutadiene	1	ND	3.90	25.0	ug/L	U
Hexachlorocyclopentadiene	1	ND	1.05	25.0	ug/L	L
Hexachloroethane	1	ND	3.45	25.0	ug/L	L
Indeno(1,2,3-cd)pyrene	1	ND	4.50	25.0	ug/L	L
Isophorone	1	ND	3.45	25.0	ug/L	l
N-Nitrosodi-n-propylamine	1	ND	2.85	25.0	ug/L	l
N-Nitrosodiphenylamine	1	ND	5.45	25.0	ug/L	l
Naphthalene	1	ND	3.90	25.0	ug/L	l
Nitrobenzene	1	ND	3.55	25.0	ug/L	l
Pentachlorophenol	1	ND	3.25	25.0	ug/L	L

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4/29/2016

Semivolatile Compounds - EPA 8270D

Sample: 1604172-9

Client Sample ID: MW-23

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/28/2016

Preparation Date(s): 4/26/2016 by Method: 3510C

Collected: 4/20/2016 12:53

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Phenanthrene	01 8 11	ND	4.75	25.0	ug/L	U
Phenol	1	ND	1.65	25.0	ug/L	U
Pyrene	1	ND	4.25	25.0	ug/L	U
Pyridine	1	ND	1.85	25.0	ug/L	U
bis(2-Chloroethoxy)methane	1	ND	3.50	25.0	ug/L	U
bis(2-Chloroethyl)ether	1	ND	2.85	25.0	ug/L	U
bis(2-Chloroisopropyl)ether	E 8 1	ND	3.70	25.0	ug/L	U
bis(2-Ethylhexyl)phthalate	1	ND	6.30	25.0	ug/L	U

Surrogate Results

Cas No	Analyte	DF	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	1	66.9 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	1	49.4 %	(43 - 116)	1010
367-12-4	2-FLUOROPHENOL	1	34.9 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	1	53.6 %	(35 - 114)	
13127-88-3	PHENOL-D6	1	22.4 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	1	60.8 %	(33 - 141)	-

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4/29/2016

Metals by Method SW846 6010C

Sample: 1604172-5

Client Sample ID: MW- 10

Matrix: Liquid Remarks:

Analyzed Date: 4/25/2016

Preparation Date(s): 4/25/2016 by Method: 3005A, 3010A

Type: Grab

Collected: 4/20/2016 16:47

Collected: 4/20/2016 16:48

Collected: 4/21/2016 11:57

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Chromium	1	ND	0.0034	0.050	mg/L	U
Copper	18.00	0.070	0.0031	0.050	mg/L	MAGL
Nickel	1	0.019	0.0071	0.050	mg/L	u day

Sample: 1604172-6

Client Sample ID: MW- 12

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/25/2016

Preparation Date(s): 4/25/2016 by Method: 3005A, 3010A

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Chromium	1	0.014	0.0034	0.050	mg/L	Balle
Copper	1	0.51	0.0031	0.050	mg/L	o News
Nickel	1	1.97	0.0071	0.050	mg/L	1600

Sample: 1604172-10

Client Sample ID: MW-26R

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/25/2016

Preparation Date(s): 4/25/2016 by Method: 3005A, 3010A

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Chromium	1	ND	0.0034	0.050	mg/L	U
Copper	1	0.076	0.0031	0.050	mg/L	
Nickel	1	0.015	0.0071	0.050	mg/L	

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208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

4/29/2016

Metals by Method SW846 6010C

Sample: 1604172-10MS

Client Sample ID: MW-26R

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/25/2016

Preparation Date(s): 4/25/2016 by Method: 3005A, 3010A

Collected: 4/21/2016 11:57

Collected: 4/21/2016 11:57

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Chromium	1	0.22	0.0034	0.050	mg/L	+
Copper	1	0.37	0.0031	0.050	mg/L	
Nickel	1	0.61	0.0071	0.050	mg/L	

Matrix Spike Results

Cas No	Analyte	DF	% Recovery	QC Limits	Q
7440-47-3	Chromium	1	111.0	(75-125)	-
7440-50-8	Copper	1	118.0	(75-125)	
7440-02-0	Nickel	1	119.0	(75-125)	

Sample: 1604172-10MSD

Client Sample ID: MW-26R

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/25/2016

Preparation Date(s): 4/25/2016 by Method: 3005A, 3010A

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Chromium	1	0.21	0.0034	0.050	mg/L	Tegal
Copper	1	0.36	0.0031	0.050	mg/L	THE S
Nickel	1	0.57	0.0071	0.050	mg/L	100

Matrix Spike Results

Cas No	Analyte	DF	% Recovery	QC Limits	Q
7440-47-3	Chromium	1	105.0	(75- 125)	
7440-50-8	Copper	1	114.0	(75-125)	000
7440-02-0	Nickel	1	111.0	(75-125)	

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4/29/2016

Collected: 4/20/2016 11:30

Collected: 4/20/2016 11:10

Collected: 4/20/2016 10:55

Nickel, Total by Method SW846 6010C

Sample: 1604172-1

Client Sample ID: MW-2

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/25/2016

Preparation Date(s): 4/25/2016 by Method: 3005A, 3010A

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Nickel	1	0.27	0.0071	0.050	mg/L	PEXCIPI

Sample: 1604172-2

Client Sample ID: MW-3

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/25/2016

Preparation Date(s): 4/25/2016 by Method: 3005A, 3010A

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Nickel	1	0.048	0.0071	0.050	mg/L	

Sample: 1604172-3

Client Sample ID: MW-4

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/25/2016

Preparation Date(s): 4/25/2016 by Method: 3005A, 3010A

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	Q
Nickel	1	0.19	0.0071	0.050	mg/L	

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4/29/2016

Collected: 4/20/2016 10:35

Nickel, Total by Method SW846 6010C

Sample: 1604172-4

Client Sample ID: MW- 5R

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/25/2016

Preparation Date(s): 4/25/2016 by Method: 3005A, 3010A

Analytical Results

Analyte	DF	Result	LOD	LOQ	Units	0
Nickel	1	3.64	0.0071	0.050	mg/L	-

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4/29/2016

ORGANIC METHOD QUALIFIERS

- Q Qualifier specified entries and their meanings are as follows:
 - The analytical result is not detected above the Method Detection Limit (MDL).
 All MDL's are lower than the lowest calibration standard concentration.
 - J Indicates an estimated value. The concentration reported was between the Method
 Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
 - B The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
 - E The concentration of the analyte exceeded the calibration range of the instrument.
 - D This flag indicates a system monitoring compound diluted out.
 - L Low Bias, Soil Sampling for VOC Analysis did not meet method 5035A Low-Level criteria. Results are estimated.

INORGANIC METHOD QUALIFIERS

- C (Concentration) qualifiers are as follows:
 - B Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).
 - U Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.
- Q Qualifier specific entries and their meanings are as follows:
 - E Reported value is estimated because of the presence of interferences.
- M (Method) qualifiers are as follows:
 - AS Semi-automated Spectrophotometric
 - AV Automated Cold Vapor AA
 - C Manual Spectrophotometric
 - P ICP
 - T Titrimetric

OTHER QUALIFIERS

ND - Not Detected

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ATTACHMENT 4

Site Management Plan Addendum Approval Letter

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 1 SUNY in Stony Brook, 50 Circle Road, Stony Brook, NY 11790 P: (631) 444-0240 | F: (631) 444-0248 www.dec.ny.gov

March 31, 2016

Mr. Michael Bradley Goldman Environmental Consultants, Inc. 60 Brooks Drive Braintree, MA 02184

Re: Jameco Industries, Inc. Site #1-52-006 Site Management Plan Addendum: March 2, 2016

Dear Mr. Bradley,

The New York State Department of Environmental Conservation has reviewed and approves the addendum to the original Site Management Plan, dated July 17, 2009. Based upon the previous four years of semi-annual groundwater monitoring, the addendum modifies the frequency of groundwater sampling from semi-annually to annually.

Soon you will be receiving the Department's periodic review (PR) reminder notice along with the institutional/engineering controls (IC/EC) certification forms. Your Periodic Review Report and IC/EC certification is due on June 30, 2016. If you do not receive your PR reminder notice by May 1, 2016 or if you should have any questions, please feel free to contact me at jamie.ascher@dec.ny.gov or at 631-444-0246.

Sincerely,

Jamie Ascher

Engineering Geologist 2

ec: W. Parish, DEC J. Nealon, DOH B. Butler, GEC, Inc.