

Flushing Industrial Park, Parcels 1, 2 and 3

Tax Block 5066, Lots 1001 to 1169 (formerly Lot 9002), Lots 1201 to 1238 (formerly Lots 1 and 100), Lots 1301 to 1579 (formerly Lot 9001), and Lot 9100

QUEENS, NEW YORK

2016 Periodic Review Report

NYSDEC BCP Site Numbers:

C241051 (Parcel 1), C241078 (Parcel 2) and C241079 (Parcel 3)

AKRF Project Number: 30141

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JUNE 2017

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P.E. CERTIFICATION

I, Michelle Lapin, am currently a registered professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the 2014 draft Revised Site Management Plan protocols, and I certify that the documentation of site management activities is accurately presented in the 2016 Periodic Review Report for Flushing Industrial Park, Parcel 1 (BCP Site No. C241051), Parcel 2 (BCP Site No. C241078), and Parcel 3 (BCP Site No. C241079).

For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

- a) The institutional control and engineering control employed at this site is unchanged from the date the control was put in place, or last approved by the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER), with any exceptions cited in this Periodic Review Report;
- b) Nothing has occurred that would impair the ability of such control to protect public health and the environment;
- c) Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control; and
- d) Access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control.



NYS Professional Engineer #073934-1

Date

7-12-17

Signature

EXECUTIVE SUMMARY

This Periodic Review Report (PRR) documents pertinent post-remediation activities between May 16, 2016 and May 16, 2017 at: Flushing Industrial Park (Eastern), Parcel 1 (BCP Site No. C241051); Flushing Industrial Park (Western), Parcel 2 (BCP Site No. C241078); and Flushing Industrial Park (Western Waterfront), Parcel 3 (BCP Site No. C241079). These three Parcels comprise approximately 13.3 acres located on the northwestern corner of College Point Boulevard and 40th Road in Flushing, Queens, New York (collectively, the Property).

Historically, the Property contained several transformers, gasoline fueling facilities, an equipment repair area and a paint storage house. Consolidated Edison (the previous Property owner), historical maps and NYSDEC records indicated underground storage tanks (USTs) and aboveground storage tanks (ASTs) storing gasoline, diesel, insulating oil, kerosene, spent motor oil and heating oil. Multiple investigations were performed on the Property between 1989 and 2005 to identify and further evaluate soil and groundwater contamination. The soil and groundwater contamination appeared to be related to a combination of sources, including: spills/leaks from historical storage and repair of equipment [including numerous electrical transformers which likely contained polychlorinated biphenyls (PCBs)]; spills/leaks from ASTs, USTs and fueling operations; transport of contaminants by the tidally influenced water table; and some components in historical fill.

Remedial activities performed in 2006 and 2007 included the removal of contaminated materials and structures (including soil, light non-aqueous phase liquid (LNAPL), ASTs and USTs, drainage structures and geophysical anomalies, as needed). The remedy also included installation of a site cover (consisting of concrete, asphalt or 2 feet of clean fill) across the site and installation of a vapor mitigation system (consisting of a vapor barrier and sub-slab depressurization system) beneath the portion of the Parcel 2 structure with retail use on the ground floor. An Environmental Easement was filed to prevent future exposure to any residual contamination remaining. In December 2007, Final Engineering Reports (FERs) and Site Management Plans (SMPs) were submitted and NYSDEC granted Certificates of Completion for Parcels 1, 2 and 3.

The SMPs were revised in April 2013 to reflect NYSDEC-approved modifications to the groundwater monitoring (reducing sampling parameters to PCBs only and reducing frequency to twice per year). On April 30, 2014, NYSDEC approved AKRF's request to permanently convert the active SSDS to passive operation and discontinue SSDS effluent sampling; the SMP for Parcel 2 was revised accordingly and a draft was submitted for NYSDEC approval in May 2014. Finalization of the Revised SMP will occur upon filing of updated easements, details of which are pending direction from NYSDEC counsel. NYSDEC subsequently approved the reduction of groundwater sampling from a semi-annual to annual basis in November 2015; this reduction in sampling will be documented in Revised SMPs upon filing of updated easements. Due to the on-going construction on Parcels 2 and 3 in 2016 and 2017, many of the groundwater monitoring wells were either destroyed and/or covered with staged construction materials, leaving only five accessible monitoring wells. Therefore, AKRF submitted a letter dated April 24, 2017 to the NYSDEC requesting to delay groundwater sampling until intrusive construction activities on Parcels 2 and 3 are completed and the destroyed monitoring wells can potentially be re-installed. The NYSDEC approved this request in a letter dated May 9, 2017.

The three SMPs provide measures for long term management of residual contamination allowing for the current Restricted Residential use of the Property. Implementation of the SMPs will continue (with NYSDEC-approved modifications), including the annual site-wide and site cover inspections, as well as the institutional and engineering control certifications, and will be documented in future PRRs.

The remedy remains effective and protective of human health and the environment with continued implementation of the Revised SMPs (with the NYSDEC-approved modifications related to SSDS operation). Periodic inspections, including annual site-wide and site cover inspections, were performed to document conditions at the Property.

The SMPs, with the NYSDEC-approved modification related to SSDS operation, the reduction of groundwater sampling to an annual basis and the postponement of the groundwater sampling event, were complied for the period from May 16, 2016 through May 16, 2017.

1.0 INTRODUCTION

This Periodic Review Report (PRR) documents pertinent post-remediation activities between May 16, 2016 and May 16, 2017 at: Flushing Industrial Park (Eastern), Parcel 1 (BCP Site No. C241051); Flushing Industrial Park (Western), Parcel 2 (BCP Site No. C241078); and Flushing Industrial Park (Western Waterfront), Parcel 3 (BCP Site No. C241079). These three Parcels comprise approximately 13.3 acres located on the northwestern corner of College Point Boulevard and 40th Road in Flushing, Queens, New York (collectively, the Property). The Property location is shown on Figure 1.

Remedial activities were completed on Parcels 1, 2 and 3 between February 2006 and December 2007 under the New York State Department of Environmental Conservation's (NYSDEC) Brownfield Cleanup Program (BCP). Brownfield Cleanup Agreements (BCAs) were executed in December 2004 and amended BCAs were executed in June 2005, December 2006, April 2007 and November 2007. Remedial work was performed in accordance with NYSDEC-approved work plans. The remediation was documented in three Parcel-specific Final Engineering Reports (FERs) dated December 2007, and on-going site management requirements were specified in three Site Management Plans (SMPs), submitted with the FERs. NYSDEC issued Certificates of Completion for Parcels 1, 2 and 3 in December 2007. The SMPs were subsequently revised in April 2013 to reflect an NYSDEC-approved modification to groundwater monitoring. On April 30, 2014, NYSDEC approved allowing permanent operation as a passive SSDS and discontinuing SSDS effluent sampling, as outlined in Section 5.0 of this PRR. Updated procedures for operating and maintaining the sub-slab depressurization system were documented in the May 2014 SMP. On November 10, 2015, NYSDEC approved the reduction of groundwater sampling from a semi-annual to annual basis; the reduction in sampling will be documented in the Revised SMPs. Due to the on-going construction on Parcels 2 and 3 in 2016 and 2017, AKRF submitted a request to the NYSDEC to delay groundwater sampling in a letter dated April 24, 2017. The NYSDEC approved AKRF's request to delay groundwater sampling until April 2018 in a letter dated May 9, 2017. Finalization of the revised SMPs is pending the filing of updated easements, the details of which are awaiting direction from NYSDEC counsel.

The purpose of this PRR is to document on-going site management activities associated with Engineering and Institutional Controls for the Property, and to certify that those controls are being implemented in accordance with the SMPs. The SMPs provide detailed descriptions of all procedures required to manage known and potential residual contamination.

2.0 BACKGROUND

2.1 SITE DESCRIPTION

The Property is bounded by Roosevelt Avenue to the north, College Point Boulevard to the east, 40th Road to the south, and the Flushing River to the west (see Figure 2). The Property is located in the County of Queens, New York and at the time of the FER, the Property was identified as Block 5066, Lots 1, 100, 9001, 9002 and 9100. The Property is now identified as Block 5066, Lots 1001 to 1169, 1201 to 1238, 1301 to 1579, and 9100.

In 2009, Lots 1 and 100 (the ground lots) were converted to condominium Lots 1201 to 1205, the complex boundaries of which include discontinuous and shared areas. In addition, residential condominium Lots 1001 through 1169 (former Lot 9002—Tower 3) were created in 2009 for the residential towers located above the retail structures. In 2010, residential condominium Lots 1301 through 1579 (former Lot 9001—Towers 1 and 2) were created. In 2015, Lot 1206 was

subdivided into Lots 1206 to 1238. Lot 9100 remains for the on-going construction of Towers 6, 7, and 8 atop the western retail building.

The following ownership changes were recorded for the Property during this reporting period:

- In May 2016, Lot 1223 was transferred to Esmond Management LLC and Lot 1237 was transferred to City Bright Holding LLC.
- In June 2016, Lot 1235 was transferred to Jon & Ching Sam LLC and Lot 1221 was transferred to J2C2, LLC.
- In August 2016, Lot 1231 was transferred to Willis Great Empire LLC.
- In October 2016, Lot 1209 was transferred to Skyview Landmark LLC.
- In November 2016, Lot 1233 and 1238 were transferred to Skyview 31 & 37 LLC.
- In February 2017, Lot 1217 was transferred to Zhang-Sun Family Service, LLC.
- In March 2017, Lots 1211 and 1212 were transferred to Lewensa LLC.

Documentation of ownership changes was provided to the NYSDEC, copies of which are provided in Appendix A.

A site plan showing general development is provided as Figure 2. Occupancy of portions of the retail and residential spaces began in 2010. The eastern two-thirds of the development consist of open or actively-vented garage space on the ground (lowest) level. The retail and parking structures cover the majority of Parcels 1 and 2, with residential towers (potentially including office space and/or community facilities) above these structures, starting at the fifth floor. Towers 6, 7, and 8 (designated as Lot 9100) are currently being constructed under the current zoning over the western retail building on Parcel 2. This development also includes construction of the Sky View Parc (SVP) West Entrance Pavilion on the southern portions of Parcels 2 and 3. Ongoing construction of a waterfront esplanade includes both landscaped and paved areas with upland connections on Parcel 3. Ground disturbance for these activities (i.e., site cover removal and soil excavation) were performed during the reporting period. In addition to the ground disturbance activities, louvers were added to the newly constructed SSDS pipe enclosures (a.k.a. “doghouses”) atop the northern and southern stairwell bulkhead above the western retail podium.

2.2 REMEDIAL INVESTIGATION FINDINGS

2.2.1 Geology and Hydrogeology

Results from the remedial and geotechnical investigations conducted prior to remediation indicated that the top 6 to 16 feet of soil generally consisted of miscellaneous fill. The fill was variable, ranging from silty clay to sand with anthropogenic materials including brick, ash and cinders. The fill was underlain at some locations by a layer of organic silt, clay and peat up to about 30 feet thick near the Flushing River, and thinning out towards the east, ending about 200 to 300 feet from College Point Boulevard. A stiff silty clay/clayey silt stratum was occasionally encountered beneath the soft clayey soils. Occasional layers of sand, gravel, cobbles and boulders were interspersed in these strata. Below the fill and organic deposits was a layer of sand 30 to 60 feet thick, consisting of fine to coarse sand with varying percentages of silt and gravel. A stiff clay or silty clay stratum was encountered beneath the sand at a depth of 35 to 70 feet below grade (elevations -30 to -60 feet Queens Borough Datum).

Groundwater studies performed on the Property and in surrounding areas before remediation indicated a general groundwater flow direction towards the west and northwest, which appeared to be tidally influenced. Groundwater in the southern portion of the Property was locally influenced by a New York City Department of Environmental Protection (NYCDEP) sewer pump house located in this area. As part of remediation, interlocking bulkhead sheeting was installed at the western boundary of Parcel 3 and along segments of the western and southern Property boundaries. This sheeting appears to be limiting the groundwater flow in this area of the Property, based on measurements in monitoring wells installed before and after remediation excavation. Post-remediation water levels continue to fluctuate, due in part to tidal influence, rain events, and the interlocking sheeting.

2.2.2 Nature and Extent of Contamination Prior to Remediation

Historically, the Property contained several transformers, gasoline fueling facilities, an equipment repair area and a paint storage house. Consolidated Edison (a previous Property owner) records, historical maps and NYSDEC records indicated underground storage tanks (USTs) and aboveground storage tanks (ASTs) storing gasoline, diesel, insulating oil, kerosene, spent motor oil and heating oil. Multiple investigations were performed on the Property between 1989 and 2005 to identify and further evaluate soil and groundwater contamination.

Pre-Remedial Soil Contamination

Subsurface investigations identified the most significant contaminant of concern in soil to be polychlorinated biphenyls (PCBs); however, elevated levels of volatile organic compounds (VOCs) (including benzene, sec-butylbenzene, chlorobenzene, ethylbenzene, naphthalene, and xylenes); semivolatile organic compounds (SVOCs); pesticides (including delta-BHC, dieldrin, 4,4-DDD, 4,4-DDE, 4,4-DDT, endosulfan sulfate, endrin); and metals (including arsenic, cadmium, lead and mercury) were also found. The laboratory analytical data revealed that elevated PCB concentrations were generally more prevalent in Parcels 2 and 3. In general, PCB concentrations were highest at or above the water table; however, one area on the south side of Parcels 2 and 3 was identified with concentrations of PCBs above 50 parts per million (ppm) extending below the water table.

Pre-Remedial Groundwater Contamination

PCB-containing light non-aqueous phase liquid (LNAPL) was identified floating on the water table in three monitoring wells on Parcels 2 and 3. Elevated levels of VOCs, SVOCs, PCBs, pesticides, and metals (arsenic, barium, cadmium, iron, lead, magnesium, manganese, selenium and sodium) were found in the groundwater samples.

The NYSDEC Class GA Ambient Water Quality Standards were exceeded in groundwater samples for total and dissolved PCBs, pesticides (aldrin, alpha-chlordane, dieldrin, 4,4-DDD and endrin), VOCs (acetone, benzene, chlorobenzene, toluene and vinyl chloride), SVOCs (1,3-dichlorobenzene), and total and dissolved TAL metals (arsenic, barium, cadmium, iron, lead, magnesium, manganese, selenium and sodium). The elevated concentrations of PCBs, pesticides, VOCs and SVOCs were identified in isolated areas, but the Class GA standard exceedances for metals were identified across the Property.

2.3 SITE REMEDIATION

The remediation was conducted in accordance with the NYSDEC-approved Interim Remedial Measure Work Plan (IRMWP) and Remedial Action Work Plans (RAWPs), including all addenda and modifications.

2.3.1 Contaminated Materials Removal

Based on the results of initial subsurface investigations, soil Site-Specific Action Levels (SSALs) were established for the protection of human health and the environment, considering the contemplated use and anticipated institutional and engineering controls. The SSALs were as follows:

Soil Site-Specific Action Levels

Parameter	Criterion
Individual Volatile Organic Compounds (VOCs)	TAGM 4046 RSCO
Total Semivolatile Organic Compounds (SVOCs)	100 ppm
Total Polychlorinated Biphenyls (PCBs)	10 ppm
Individual Pesticides	1 ppm or TAGM 4046 RSCO, if higher
Arsenic	24 ppm
Cadmium	10 ppm
Lead	500 ppm
Mercury	4 ppm
Silver	100 ppm
Cyanide	Hazardous Waste Reactivity Criterion
Notes: TAGM 4046 RSCO – Technical and Administrative Guidance Memorandum #4046 Recommended Soil Cleanup Objectives, January 24, 1994 ppm – parts per million	

Contaminated materials removal included: the excavation of soil with concentrations greater than the established SSALs above (and to the extent practicable, below) the water table; removal of LNAPL to the extent practicable; removal of ASTs and USTs; investigation and removal of drainage structures; and investigation of geophysical anomalies. Excavation and off-site disposal of contaminated soil was performed from February 2006 to November 2007.

2.3.2 Engineering Controls

Engineering controls were installed at the Property as part of the remedial action to prevent exposure to residual subsurface contamination. The engineering controls, which consist of a site cover and a sub-slab vapor mitigation system, are described in more detail below.

Site Cover

Following soil removal activities, a composite cover system was installed over the Property to prevent direct exposure to underlying soil. At the time that the FERs were submitted, the site cover consisted of concrete or asphalt.

Vapor Mitigation System

No vapor barrier was required for Parcels 1 and 3. The remedial action required a vapor mitigation system only for the portion of the development with retail use on the lowest level (i.e., the western retail building located on Parcel 2). Exposure to potential residual vapors there was minimized by the sub-slab vapor mitigation system installed beneath the building. The mitigation system consisted of a network of PVC sub-slab depressurization piping placed beneath a vapor barrier with in-line fans (no longer active) venting extracted vapors above the roof of the parking garage. During subsequent building construction in 2008-2009, repairs were made to the geomembrane with Liquid Boot and an additional layer of waterproofing manufactured by Laurenc Systems was added (above the original geomembrane, but beneath the building slab). During the reporting period, the SSDS riser pipes were extended into newly constructed pipe enclosures atop the northern and southern stairwell bulkheads, which were equipped with louvers to vent the passive SSDS system.

2.3.3 Institutional Controls

Institutional controls incorporated into the remedy include an environmental easement to prohibit certain on-site uses, and ensure implementation of the Parcel-specific SMPs during future site use. These institutional controls are described in more detail below.

Environmental Easement

Environmental easements were recorded in December 2007 for each of the three Parcels comprising the Property. The property deed and all subsequent instruments of conveyance will contain language indicating that the Property is subject to this environmental easement. The environmental easement includes the following site use restrictions:

- Single family housing, vegetable gardens and farming are prohibited;
- A school or day care facility is prohibited;
- Use of the site groundwater is prohibited without treatment rendering it safe for its intended purpose;
- All future activities that will disturb Residual Management Zones (i.e., penetrate through the site cover into the underlying soil) are prohibited unless they are conducted in accordance with the SMPs;
- The Property may be used for Restricted Residential use, as defined in 6 NYCRR 375-1.8(g)(2)(ii), provided that the long-term Engineering and Institutional Controls included in the SMPs remain in use;
- The Property may not be used for a more restricted level of use, such as unrestricted residential use, nor may the parking areas be converted to other enclosed purposes; and
- The easement requires annual submission of a written certification that: (1) controls are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC and NYSDOH; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMPs.

Site Management Plan

The environmental easement requires compliance with three SMPs that were prepared to describe procedures and protocols for post-remediation management of the three Parcels. The SMPs each include four plans: (1) an Engineering and Institutional Control Plan for implementation and management of EC/ICs; (2) a Monitoring Plan for implementation of Site Monitoring; (3) an Operation and Maintenance Plan for implementation of the remedial cover, sub-slab venting system (Parcel 2 only), and the groundwater monitoring system; and (4) a Site Management Reporting Plan for submittal of data, information, recommendations, and certifications to NYSDEC. The Engineering and Institutional Control Plan portion of each SMP includes detailed procedures for handling residual on-site contamination during future soil disturbance activities.

In February 2013, NYSDEC approved a request for reduction in the list of groundwater analytical parameters (to total PCBs only) and in the sampling frequency (from quarterly to semi-annually). The change in groundwater sampling protocol was detailed in Revised SMPs, dated April 2013, which included changes to the SMP text, Quality Assurance Project Plan (QAPP) appendix, and Figure 13 - Post-Remediation Monitoring Well Plan. As requested by NYSDEC in their April 8, 2013 approval letter, the changed portions of the documents were submitted to NYSDEC and the document repository at the Queens Public Library. The NYSDEC approved the reduction of groundwater sampling from a semi-annual to annual basis in a telephone conversation with AKRF on November 10, 2015; this reduction in sampling will be documented in the final revised SMPs (NYSDEC approved the Revised SMPs; however, finalization of the Revised SMPs is pending the filing of updated easements).

AKRF's request to permanently convert the active SSDS to passive operation and discontinue SSDS effluent sampling was approved by NYSDEC, in consultation with NYSDOH, on April 30, 2014. Accordingly, a draft Revised SMP for Parcel 2 was submitted for NYSDEC approval in May 2014. AKRF's request to reduce groundwater monitoring frequency to annual was approved on November 10, 2015.

Finalization of the Revised SMPs is pending the filing of updated easements. Once Revised SMPs are finalized, they will be placed in the document repository.

3.0 CONSTRUCTION ACTIVITIES

The SMP established the following three Residual Management Zones (RMZs):

- RMZ A refers to previously placed backfill documented to meet SSALs (see Section 2.3.1). Excavated material from this zone that did not exhibit evidence of contamination was reused on-site as subsurface fill beneath the restored cover without additional sampling.
- RMZ B is material where previous endpoint sampling indicated that the material met the SSALs. Whenever this material was excavated, additional analyses were performed to confirm that the material met SSALs prior to its reuse on-site as backfill. If the excavated material exhibited evidence of contamination (i.e., odor, staining, or elevated photoionization detector (PID) readings) or if analytical results indicated exceedance of the SSALs, then the material was disposed of off-site.
- RMZ C is the material where endpoint sampling indicated concentrations greater than the SSALs. Excavated soil in the vicinity of this known contamination was disposed of off-site.

Limited construction was performed throughout the reporting period.

- Soil excavation in RMZ A and RMZ B were performed for construction of the SVP West Entrance Pavilion (a.k.a. the Elevator Building) on the southern portions of Parcels 1 and 2, which comprises an approximately 6,430 square-foot building. This SVP West Entrance Pavilion will comprise five stories with no basement.
- Limited soil excavation in RMZ A was performed for the installation of underground utilities south-adjacent to the western retail building on Parcel 2.
- Some limited soil excavation in RMZ A and grading were performed on Parcel 3 to prepare for the future esplanade, and structural support (tie-backs) were installed for the existing bulkhead.

An environmental professional oversaw all invasive work that disturbed the residual material (RMZ A and RMZ B). Photographs documenting the subsurface disturbances are provided in Appendix B.

PERMITTING AND APPROVALS

The Property lots have an “E” designation for hazardous materials, which requires New York City Office of Environmental Remediation (NYCOER) approval prior to NYC Department of Buildings (NYCDOB) issuance of certain types of permits and Certificates of Occupancy. Note that prior to 2010, “E” designation issues were managed by the NYC Department of Environmental Protection (NYCDEP). NYCDEP acknowledged in a letter dated August 4, 2008 that remediation and the accompanying institutional and engineering controls under the BCP adequately addressed the “E” designation requirements and allowed for all permits to be issued by NYCDOB up through Temporary Certificates of Occupancy for non-residential spaces. The August 4, 2008 NYCDEP correspondence was amended by NYCOER on January 21, 2010 with a Notice of No Objection to retail Temporary Certificates of Occupancy. NYCOER approved the issuance of residential Certificates of Occupancy in Notices of Satisfaction dated May 27, 2010 and October 22, 2010. Copies of pertinent NYCDEP and NYCOER correspondence were provided as part of previous document submittals, including the 2010 Site Management Report, dated March 2011.

Numerous building permits were issued during this reporting period related to the waterfront esplanade on Parcel 3, construction of the SVP West Entrance Pavilion on Parcels 1 and 2, construction of Towers 6, 7, and 8 atop the western retail building on Parcel 2, and the waterfront esplanade on Parcel 3. No permits or approvals were issued related to certificate of occupancy changes; however, work has been performed in accordance with the SMP so as to allow for future DOB issuance of occupancy permits or permits for subsurface disturbance.

3.1 SOIL DISTURBANCE

During the 2016 reporting period, soil disturbance activities occurred on Parcels 1 and 2 for the construction of the SVP West Entrance Pavilion; on Parcel 2 for an underground utility excavation; and on Parcel 3 for the installation of tie-backs to provide shoring for the marine bulkhead sheeting wall and for construction of the proposed esplanade.

During excavation and stockpiling, the on-site field personnel continuously monitored the excavated material for evidence of contamination and conducted periodic screening for VOCs using a PID. No buried tanks, drums or other containers were encountered during excavation. Construction activities disturbed Residual Management Zones A and B during the 2016 reporting period.

- RMZ A soil was excavated on Parcel 2 in May 2016 and again on Parcels 1, 2 and 3 from November 2016 to May 2017.

- RMZ B material was excavated on Parcels 1 and 2 intermittently from January 2017 to April 2017.

The locations and elevations for the excavations that extended into RMZ B are shown on the survey attached as Appendix C. The excavation areas are shown on Figure 2, Site Plan.

3.2 STOCKPILING

Soil was stockpiled based on the known or anticipated type and/or level of contamination (based on previous data, PID readings, odor, staining, etc.). RMZ A and RMZ B soils were stockpiled separately in accordance with SMP protocol. No contaminated soil above the SSALs (based on previous data, PID readings, odor, staining, etc.) was encountered during the reporting period above the SSALs. Stockpiles were kept fully covered whenever excavation and/or loading operations were not occurring with appropriately anchored tarps and/or polyethylene sheeting, then encircled with hay bales.

Stockpiles of excavated material were inspected at a minimum once each week and after rain events - tarps and haybales were replaced as needed. Results of inspections were recorded in the field logbook. At the end of reporting period, several small RMZ A soil stockpiles associated with the Parcel 3 esplanade construction were located on the northwestern side of the Property. These soils were previously characterized and meet the SSALs and will be either placed as backfill during future construction activities or disposed of off-site in accordance with the SMP.

3.3 WASTE CHARACTERIZATION

No evidence of contamination (based on PID readings, odor, and/or staining) was noted on the RMZ B soil excavated from the SVP West Entrance Pavilion elevator pit excavation. This RMZ B soil stockpile was sampled in accordance with the disposal facility requirements to characterize the material prior to its off-site disposal (no reuse of the RMZ B material occurred). Waste characterization samples were analyzed for analytical parameters required by the destination disposal facilities, typically including: VOCs by EPA Method 8260; SVOCs; total metals by EPA Method 6010; PCBs by EPA Method 8082; and leachable VOCs, SVOCs, pesticides, and metals using the toxicity characteristic leaching procedure (TCLP) by EPA Methods 1311, 8260, 8270, 8081, 8151, 6010 and 7470; ignitability by EPA Method 1030; corrosivity by EPA Methods 9040/9045; and/or reactivity by EPA Methods 9014/9034. The waste characterization samples were analyzed by Test America in Edison, New Jersey, a NYSDOH Environmental Laboratory Accreditation Procedure (ELAP)-certified laboratory.

The laboratory report for the waste characterization sample is provided in Appendix D.

3.4 SOIL TRANSPORTATION AND DISPOSAL

RMZ B soil that was excavated from the SVP West Entrance Pavilion elevator pit excavation was disposed of off-site. Prior to off-site disposal of soil, investigation and waste characterization data for the material was provided to Clean Earth of Carteret, located in Carteret, New Jersey, who reviewed the data and confirmed that the material was acceptable under their permits.

From February 24, 2017 to March 10, 2017, 15 trucks transported 423.28 of non-hazardous waste for disposal at the Clean Earth facility in Carteret, New Jersey. Licensed haulers were used for material removed from this Property. The total quantities of non-hazardous wastes removed from the Property and the respective disposal locations are shown in Table 1. The disposal facility acceptance letter, permit information, and waste disposal manifests are provided in Appendix E.

3.5 ON-SITE REUSE AS BACKFILL

The SSAL criteria listed in Section 2.3.1 were approved by NYSDEC for on-site reuse of material. No soil from RMZ C was encountered during the reporting period. RMZ B soil excavated during the installation of the SVP West Entrance Pavilion elevator pit did not exhibit any evidence of contamination (based on field screening). Soil excavated from the elevator pit area in the RMZ B zone that was initially proposed for reuse on-site was analyzed at a minimum frequency of one composite sample per 500 cubic yards for TCL VOCs, TCL SVOCs, TAL metals, PCBs and pesticides in accordance with the SMPs. One soil sample (CE-SP1-RMZB) was collected from the RMZ B soil stockpile at the SVP West Entrance Pavilion and the laboratory analytical results indicated that the soil sample met the SSALs; however, due to the limited need for backfill, the RMZ B soil stockpile was not used as backfill as initially anticipated, but rather disposed of off-site at Clean Earth of Carteret in its entirety. No backfilling using any RMZ B material occurred during the reporting period.

The laboratory report for the RMZ B soil stockpile is provided in Appendix D.

3.6 BACKFILL FROM OFF-SITE SOURCES

Backfill materials imported during 2017 originated from the Tilcon Clinton Point Quarry in Clinton Point, New York. The Tilcon Clinton Point Quarry is a virgin quarry source and all imported backfill was native rock material; therefore, sample collection and laboratory testing was not necessary. Approximately 49.35 tons of gravel were imported from the Tilcon Clinton Point Quarry and used as backfill at the SVP West Pavilion Entrance elevator pit excavation. Tickets documenting imported material source, date, and weight or volume are provided in Appendix F.

3.7 DEMARCATION

After the completion of soil removal from RMZ B at the SVP West Entrance Pavilion, the base of the excavation was surveyed by a New York State licensed surveyor. Some excavations into RMZ B were discrete areas that were later filled with concrete for foundation elements (e.g., pile caps or footings). A physical demarcation layer was not installed at the base of the excavations where concrete was placed. Conservatively, the RMZ locations were not remapped to these shallower depths. The survey is provided in Appendix C.

3.8 VAPOR BARRIER AND WATERPROOFING INSTALLATION

A vapor barrier consisting of Grace Preprufe 300R[®] Vapor Barrier (and associated tapes and mastic) was installed on the vertical and horizontal exterior faces of the SVP West Pavilion Entrance elevator pit. AQUAFIN IC[®] was applied on the interior walls and foundation slab of elevator pit. These serve both as waterproofing and as a vapor barrier to mitigate vapors from any residual Property contamination or from nearby properties. The vapor barrier was installed in March and April 2017 and penetrations were sealed in accordance with the manufacturer's specifications. The extent of the vapor barrier is shown on Figure 2, Site Plan.

3.9 HEALTH AND SAFETY MONITORING

The Health and Safety Plan (HASP), a component of each SMP, includes requirements for personnel training, protocols for work zone air monitoring and community air monitoring, designated personal protection equipment, and decontamination procedures. The HASP also includes a community air monitoring plan (CAMP), which establishes protocols for VOC and

particulate air monitoring to be conducted at the Property perimeter if work zone perimeter concentrations approach the applicable community action levels.

The HASP, including the community air monitoring protocol, was compiled for invasive remedial work performed on the Property. Soil disturbance of RMZ A soil was overseen by a qualified environmental professional. RMZ B soil disturbance included air monitoring for VOCs and dust in the work zone. No evidence of contamination was encountered during RMZ B soil disturbance (based on field screening and analytical results of the RMZ B soil stockpile). No RMZ C soil was disturbed during the reporting period.

VOC concentrations were monitored with a PID, and respirable particulate matter was monitored using a MiniRAE 3000 PID and a SidePak™ Personal Aerosol Monitor AM510. No remediation work zone or community air monitoring exceedances were noted above the 15-minute time-weighted average (TWA) action levels specified in the HASP through the full duration of activities performed under the SMP. Copies of the air monitoring logs are provided in Appendix G.

3.10 SEDIMENT AND EROSION CONTROL MEASURES

Sediment and erosion control measures were implemented in accordance with the SMPs. Typical measures to limit the potential for erosion and migration of soil included the use of hay bales, sewer inlet protection, a stabilized construction entrance, and dust control measures.

4.0 SITE COVER OPERATION AND MAINTENANCE

Exposure to residual contaminated soil/fill is prevented by an engineered composite cover system. This composite cover system is composed of asphalt or concrete.

4.1 SITE COVER ALTERATIONS

The site cover in place at the time of the FER submission consisted of concrete building slabs and pile caps, and asphalt. During this reporting period, the site cover was modified with asphalt and additional concrete placed for the SVP West Entrance Pavilion foundation slab. In the future, the cover system may also include landscaped areas with a minimum of two (2) feet of clean fill (meeting the lower of the SCOs for Residential Use or Protection of Groundwater, or for which specific approval would be given by NYSDEC).

All disturbance of the composite cover system and underlying residual soil was performed in accordance with the SMPs, as discussed in Section 3.0. The locations and elevations of the concrete site covers at the end of 2009 are shown on Figure 3.

4.2 SITE COVER INSPECTION

AKRF inspected the interior and exterior portions of the site cover on May 8, 2017. The inspection consisted of observing the asphalt and concrete pavement for holes, significant cracking and/or signs of damage.

All observed pavement was intact, with no signs of significant cracking or damage. In some areas, direct observation of the cover was obscured by parked vehicles, soil stockpiles, equipment, and/or sediment buildup on top of the cover; however, based on information from Property owner representatives and observation of excavation activities throughout the year, the

cover was expected to be essentially intact in the areas not directly visible during the inspection. At the time of the inspection, shallow excavations (approximately 4 to 5 feet deep) for installation of underground utilities and pile caps associated with the SVP West Entrance Pavilion foundation slab exposed RMZ A soil on Parcel 2. Portions of the site cover were removed on the western and northern portions of Parcel 3 for construction of the esplanade, exposing RMZ A soil. As part of ongoing construction, these excavations will be backfilled and covered with asphalt or concrete in accordance with the SMPs. Restoration of the cover in these areas will be documented in a subsequent Periodic Review Report. Photographs of the site cover taken during the inspection and a copy of the site cover inspection log are provided in Appendix H.

5.0 VAPOR MITIGATION SYSTEM OPERATION AND MAINTENANCE

5.1 VAPOR MITIGATION BACKGROUND

The vapor mitigation system design and installation oversight were conducted by Langan Engineering and Environmental Services, Inc. (Langan) of Elmwood Park, New Jersey. The sub-slab depressurization system (SSDS) was installed and operational in November 2007, as documented in Langan's Engineering Controls (EC) Completion Report, dated November 28, 2007, which was presented with the FER. As permitted by the SMP, prior to initial building occupancy, operation of the sub-slab depressurization system was temporarily suspended during construction. From December 2007 to January 2010, the vapor mitigation system was out of service while construction continued on the western retail building.

In January 2010, the sub-slab depressurization system was reactivated prior to building occupancy. Langan conducted confirmation testing of the SSDS while in active operation on January 20, 2010 and concluded that the SSDS was operating effectively. As outlined in Langan's Soil Vapor Mitigation System Activation Status Memorandum dated January 22, 2010, the vapor mitigation measures have been modified since the submittal of the EC Completion Report and initial certification. These modifications included:

- The extension of the exhaust stacks to six stories above ground level;
- The addition of a second in-line fan to each stack on the 4th floor near the top of each stack;
- The reinstallation of the vapor barrier in the northern half of the western retail building footprint;
- The installation of a waterproofing course of Liquid Boot (a secondary vapor barrier) to the underside of the western retail building slab; and
- Modifications to the number and locations of clean-outs and sampling ports (SP).

Langan reported in a memorandum dated January 31, 2011 that no additional modifications were made to the SSDS since the January 2010 activation and certification. Vacuum measurements collected below the in-line fans were all in acceptable range during Langan's routine inspections conducted in 2011. Measurable vacuum/pressure was documented at each of the accessible endpoint cleanout points of the SSDS, which indicates that the SSDS has maintained negative pressure in the gravel beneath the vapor barrier.

5.2 VAPOR SYSTEM MODIFICATION

Between February 2010 and April 2013, 13 rounds of vapor sampling were conducted from the 8 sampling ports below the 4th floor fans. During sampling, the 1st floor fans remained running but the 4th floor fans were temporarily turned off so there was no vacuum on the sampling port. One

ambient air sample was collected during each round from the central portion of the building's roof to assess background concentrations. All 13 rounds of SSDS sampling showed no compounds exceeding the NYSDEC SGCs or NYSDOH AGVs. Although trace levels of methane (0.2% or lower) were detected in three of the eight vapor collection lines, methane has not been detected since February 2011 and, in any event, the highest detected level was 25 times lower than the methane lower explosive limit of 5%. Notwithstanding these low level detections of VOCs and methane in the exhaust stacks, the potential for vapor intrusion into the building is further mitigated by the presence of two vapor barriers.

The 13 rounds of SSDS sampling during active operation generally showed decreasing trends and low VOC and methane concentrations in the SSDS piping. Therefore, in a July 11, 2013 correspondence, AKRF requested a modification to temporarily shut off the SSDS fans to evaluate exhaust and indoor air VOC concentrations with the system in passive mode. In August 2013, NYSDEC and NYSDOH approved AKRF's work plan for SSDS modification and the SSDS was put into passive mode in September 2013 by turning off the fans. Three rounds of sub-slab and indoor air sampling were performed while the fans were off to evaluate building conditions. On April 30, 2014, NYSDEC, in consultation with NYSDOH, approved AKRF's request to permanently convert the active SSDS to passive operation and discontinue SSDS effluent sampling. A copy of NYSDEC's approval letter for this modification was included in the 2014 Periodic Review Report. This change to passive SSDS is further documented in the forthcoming Revised SMP. The draft Revised SMP has been reviewed by NYSDEC; however, final submittal is pending recording of the revised easements.

5.3 VAPOR SYSTEM INSPECTIONS AND MAINTENANCE

The SSDS has been operated in a passive mode since 2014, in accordance with the NYSDEC-approved conversion of the system to passive operation. Visual inspection of the above-ground portions of the system was conducted during the May 8, 2017 site-wide inspection. The passive SSDS venting was redirected as construction atop the western retail podium continued with the expansion of the northern and southern stairwell bulkheads from the 3rd to the 4th floors, respectively. The 4th floor fans were left in place and the SSDS riser pipes were extended through the newly constructed stairwell bulkhead roofs. The previous SSDS riser pipes in the northern stairwell bulkhead were manifolded on the 3rd floor then extended with one 6-inch pipe to discharge to the top of the new 4th floor stairwell bulkhead (this configuration only pertained to the SSDS riser pipes in the northern bulkhead). During the reporting period, the SSDS riser pipes were extended into newly constructed pipe enclosures (a.k.a. "doghouses") atop the northern and southern stairwell bulkheads during construction of the Towers 6, 7, and 8. Each pipe enclosure was equipped with louvers to vent the passive SSDS system. AKRF confirmed that the SSDS louver design and installation was performed in accordance with the manufacturer's specifications. These changes do not affect the functioning of the passive SSDS. A copy of the SSDS venting louver design submittal is provided in Appendix I.

6.0 MONITORING

6.1 ENGINEERING CONTROL SYSTEM MONITORING

Engineering control system monitoring included the site cover inspection discussed in Section 4.2. In accordance with NYSDEC's approval letter dated April 30, 2014, the active SSDS was permanently converted to passive mode (by turning the fans off) and SSDS effluent sampling was discontinued. No vapor samples were collected during the reporting period.

6.2 GROUNDWATER MONITORING

6.2.1 Monitoring Well Installation

Sixteen groundwater monitoring wells designated MW-28 to MW-43 were initially installed on the Property between September 11 and 14, 2006. Many of these wells were damaged during subsequent construction. A replacement well is identified by an “R” (e.g., MW-43R). If the well was replaced more than once, it is identified by an “R” and the number of times the well has been reinstalled (e.g., MW-43R2). Well depths varied from 12 to 19 feet below grade based on the depth to the water table observed during drilling.

Monitoring well locations from the 2015 reporting period are shown on Figure 4.

6.2.2 Monitoring Well Sampling

Sampling of the 16 on-site groundwater monitoring wells for total PCBs continued on an annual basis through the reporting period in 2015. However, ground disturbance associated with construction of the Parcel 2 SVP West Entrance Pavilion and the Parcel 3 waterfront esplanade destroyed and/or blocked access to several of the groundwater monitoring wells. During an inspection on March 31, 2017, it was noted that monitoring wells MW-28R5, MW-29R5, MW-31R, MW-32R, MW-33R2, MW-34R2 and MW-40R2 were destroyed and wells MW-35R, MW-36R2, MW-37R and MW-38R were covered with staged construction materials, leaving only five accessible monitoring wells. Therefore, AKRF submitted a letter dated April 24, 2017 to the NYSDEC requesting to delay groundwater sampling until April 2018. The NYSDEC approved this request in a letter dated May 9, 2017. Copies of these letters are provided in Appendix J.

6.3 SITE-WIDE INSPECTION

The site-wide inspection was conducted along with the site cover inspection on May 8, 2017. It confirmed that the remedy remains in-place and is effective and protective of human health and the environment with continued implementation of the SMPs. A copy of the Site-Wide Inspection Form is included in Appendix K and discussions of pertinent issues are provided in this PRR.

7.0 INSTITUTIONAL AND ENGINEERING CONTROL COMPLIANCE

An IC/EC Certification Form was completed for each of the three Parcels based on results from the site monitoring and inspections described in this PRR. Copies of the forms are provided as Appendix L. Engineering and institutional controls implemented as part of the remedial action are described in Sections 2.3.2 and 2.3.3, respectively.

8.0 CONCLUSIONS

Based on the inspections and data evaluation summarized in this report, the following conclusions were developed:

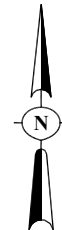
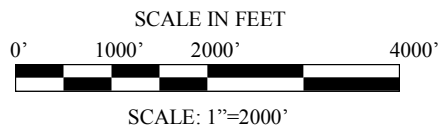
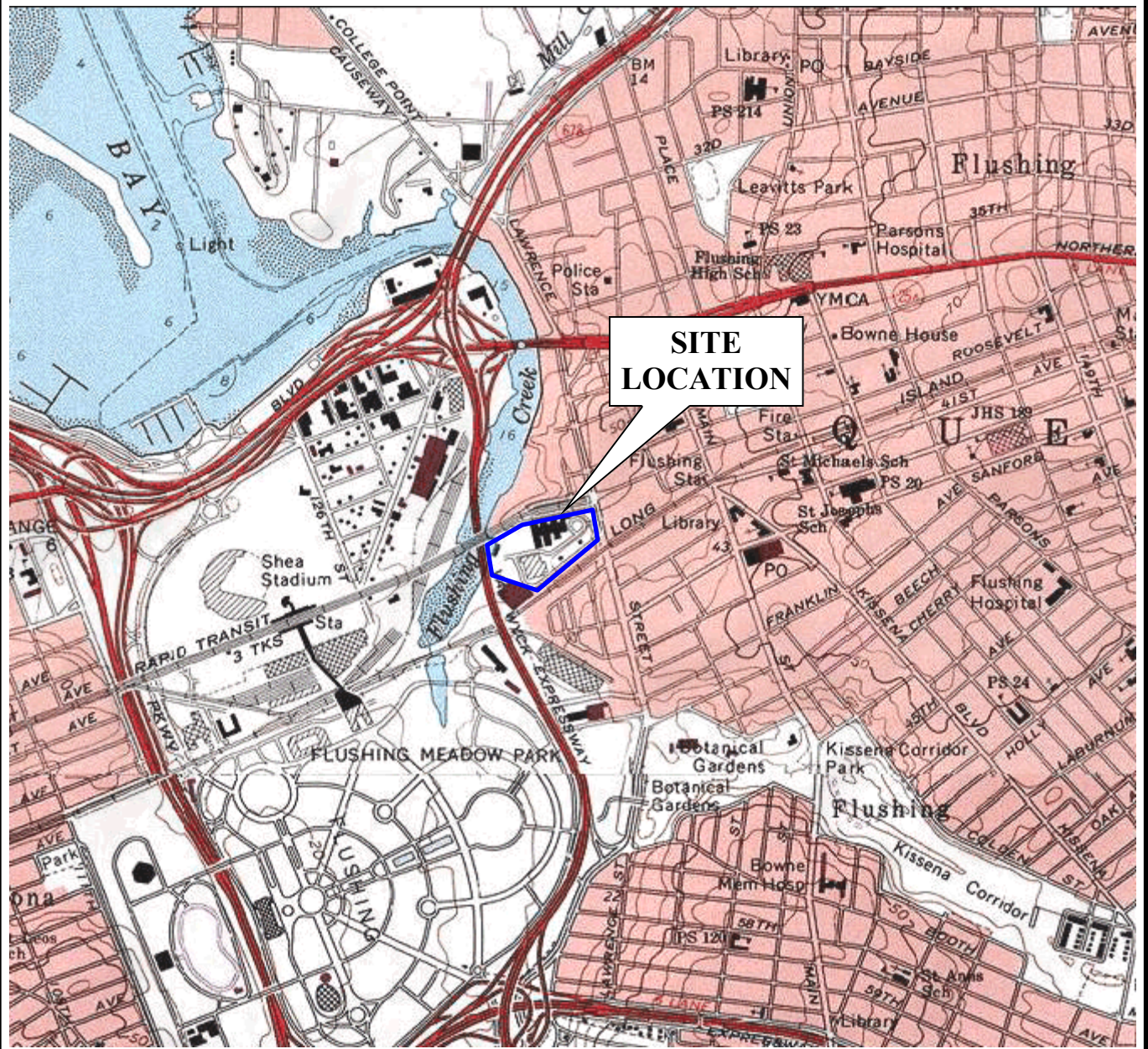
- The majority of the observable portions of the permanent site cover were in good condition throughout the Property, with the exceptions of discrete areas on Parcels 2 and 3, where there is ongoing construction. The site cover in these areas will be restored as subgrade construction is completed.
- Intrusive activities during the reporting period included excavation and stockpiling of RMZ A and RMZ B materials. Proper waste characterization testing of RMZ B soil was performed in accordance with facility requirements prior to its off-site disposal. No reuse/backfill of RMZ B material occurred during the reporting period.
- The passive SSDS riser piping remains in-place for venting. The vent pipes terminate in SSDS pipe enclosures equipped with louvers installed during this reporting period.
- A vapor barrier consisting of Grace Preprufe 300R[®] Vapor Barrier (and associated tapes and mastic) was installed on the vertical and horizontal exterior faces of the SVP West Pavilion Entrance elevator pit in March and April 2017. AQUAFIN IC[®] was applied on the interior walls and foundation slab of elevator pit.
- Due to the on-going construction on Parcels 2 and 3 in 2016 and 2017, many of the groundwater monitoring wells were either destroyed and/or covered with staged construction materials, leaving only five accessible monitoring wells. Therefore, AKRF submitted a letter dated April 24, 2017 to the NYSDEC requesting to delay groundwater sampling until intrusive construction activities on Parcels 2 and 3 are completed and the destroyed monitoring wells can potentially be re-installed. The NYSDEC approved this request in a letter dated May 9, 2017. As such, no groundwater monitoring was performed during the reporting period.

TABLES

Table 1
OUTGOING WASTE TRACKING
 Flushing Industrial Park, Parcels 1, 2 and 3
 Flushing, New York

Truck # (per day)	Depart Date	Manifest Number	Truck ID	License Plate	Disposal Facility	Description of Waste	Disposal Date	Weight (tons)
1	2/24/2017	1415201	AT Amelie 86	AT 490 B	Clean Earth: Carteret	Non-haz (stockpile #1)	2/24/2017	31.82
2	2/24/2017	1429200	Uriel 5	AT 795 D	Clean Earth: Carteret	Non-haz (stockpile #1)	2/24/2017	29.57
3	2/24/2017	1415204	Uriel 777	AT 245 N	Clean Earth: Carteret	Non-haz (stockpile #1)	2/24/2017	25.22
4	2/24/2017	1415202	MCB 3	AP 322 V	Clean Earth: Carteret	Non-haz (stockpile #1)	2/24/2017	28.19
5	2/24/2017	1415203	MCB 5	AP 860S	Clean Earth: Carteret	Non-haz (stockpile #1)	2/24/2017	26.17
6	2/24/2017	1429198	AT Amelie 86	AT 490 B	Clean Earth: Carteret	Non-haz (stockpile #1)	2/24/2017	29.09
7	2/24/2017	1429199	Uriel 777	AT 425 N	Clean Earth: Carteret	Non-haz (stockpile #1)	2/24/2017	25.91
8	2/24/2017	1429196	Uriel 5	AT 795 D	Clean Earth: Carteret	Non-haz (stockpile #1)	2/24/2017	28.92
9	2/24/2017	1429197	Uriel 10	AP 797 X	Clean Earth: Carteret	Non-haz (stockpile #1)	2/24/2017	25.53
10	2/24/2017	1429195	MCB 7	AS 171 C	Clean Earth: Carteret	Non-haz (stockpile #1)	2/24/2017	30.75
11	3/10/2017	1429193	Mendez 11	AR 904 C	Clean Earth: Carteret	Non-haz (stockpile #1)	3/10/2017	25.50
12	3/10/2017	1429194	Mendez 288	AS 763 L	Clean Earth: Carteret	Non-haz (stockpile #1)	3/10/2017	29.88
13	3/10/2017	1429192	Mendexz 101	AP 639 R	Clean Earth: Carteret	Non-haz (stockpile #1)	3/10/2017	29.00
14	3/10/2017	1256654	Mendez 13	AP 278 K	Clean Earth: Carteret	Non-haz (stockpile #1)	3/10/2017	30.10
15	3/10/2017	1429191	Mendez 32	AP 306 X	Clean Earth: Carteret	Non-haz (stockpile #1)	3/10/2017	27.63

FIGURES



SOURCE:
7.5 MINUTE SERIES USGS TOPOGRAPHIC MAP
QUADRANGLE: FLUSHING, NY 1995

**FLUSHING INDUSTRIAL PARK,
PARCELS 1-3
FLUSHING, NEW YORK**

PROJECT SITE LOCATION



Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

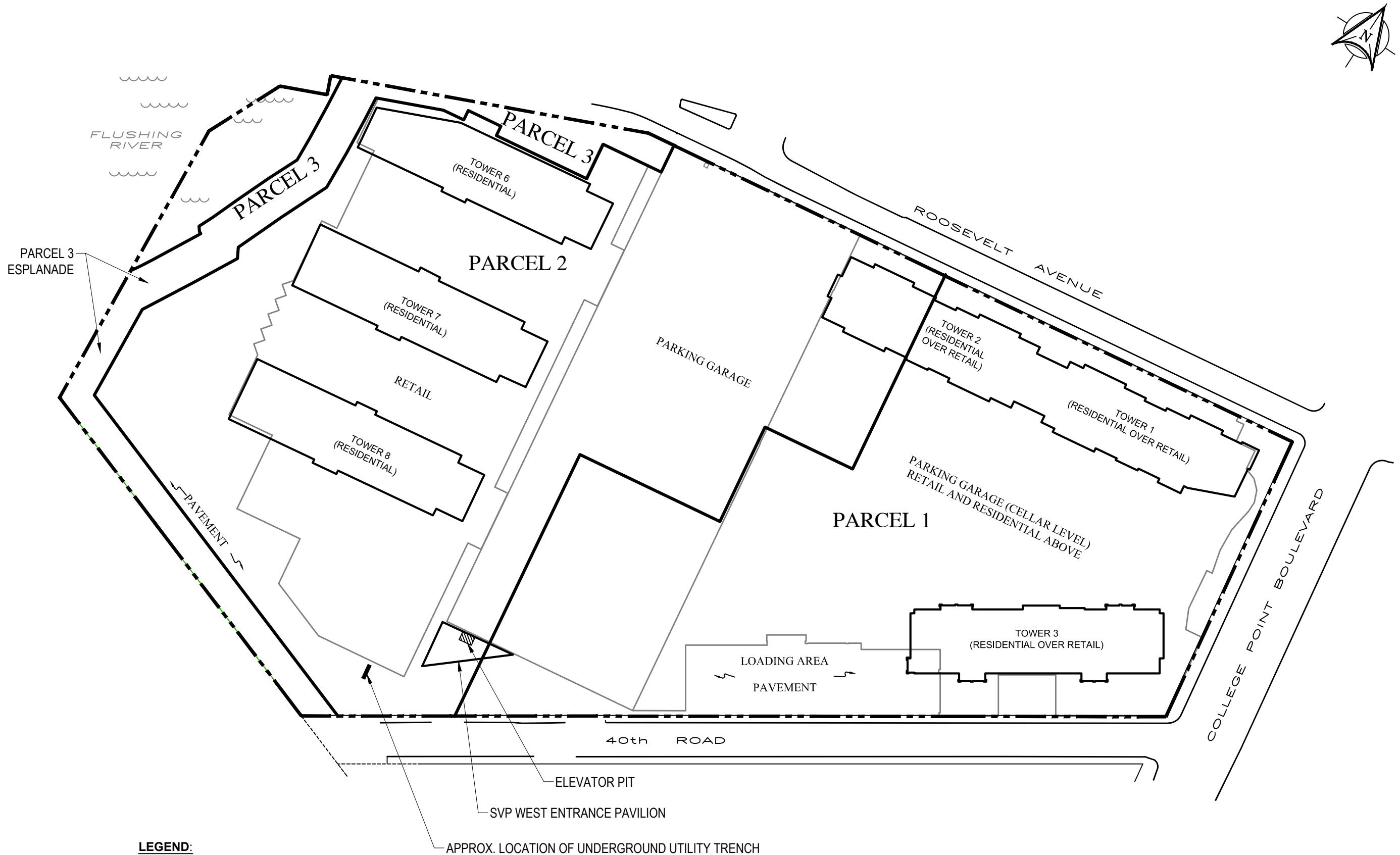
DATE
05.20.16

PROJECT No.
30141

SCALE
AS SHOWN

FIGURE
1

© 2017 AKRF, Inc. M:\AKRF Project Files\30141 - Musc Flushing OU-2&3&4 Plans-Reports\Annual Site Management Report\2016-2017\Figures\F2 Site Plan.dwg



FLUSHING INDUSTRIAL PARK, PARCELS 1 - 4
Flushing, New York

SITE PLAN

DATE
6.1.2017

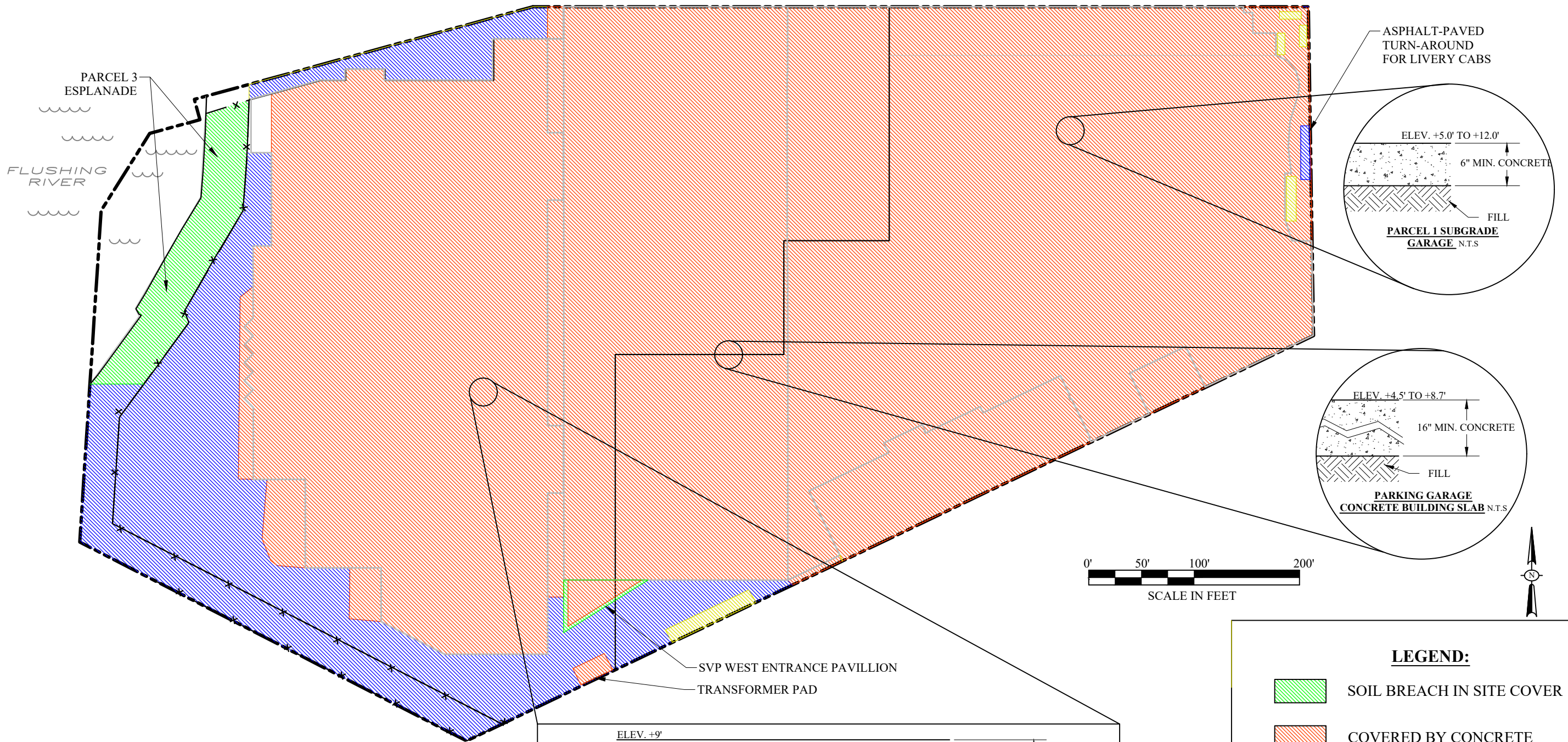
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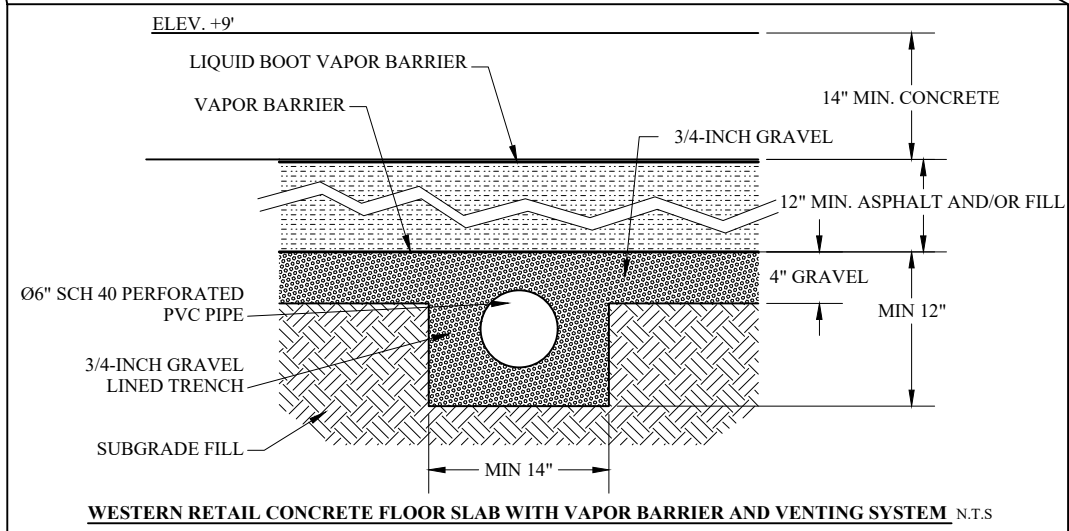
FIGURE No.
2



Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016



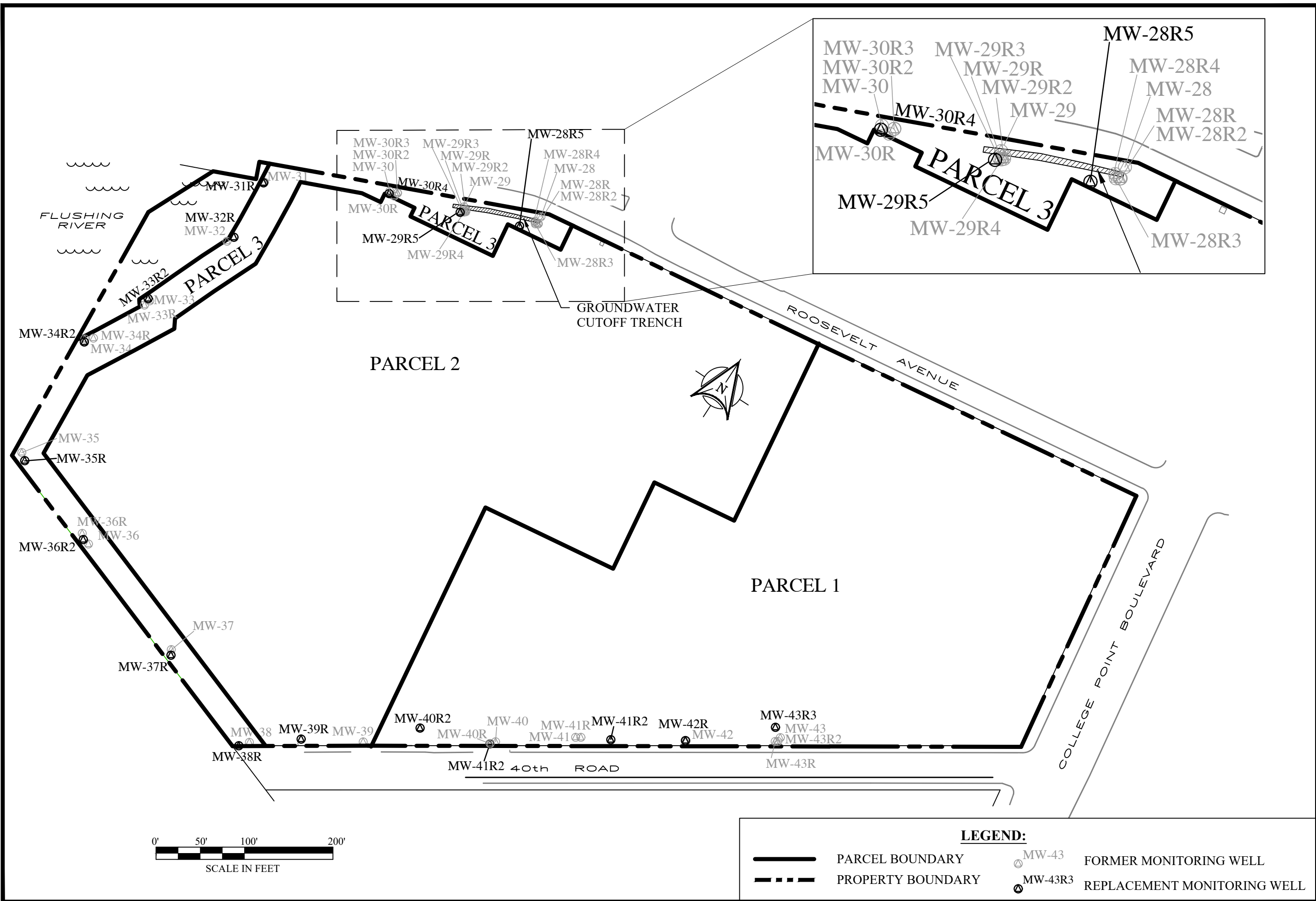
- NOTES:
1. DETAILS WERE COMPILED FROM: A SURVEY BY WOHL & O'MARA, L.L.P. (SKY VIEW PARC, DIAGRAM 'R' DATED 11/20/07); FROM VENTING SYSTEM AND VAPOR BARRIER DETAILS PROVIDED BY LANGAN ENGINEERING & ENVIRONMENTAL SERVICES C-901A "AS-BUILT SOIL VAPOR COLLECTION SYSTEM AND DETAILS" DATED 11/28/07; "SOIL VAPOR-MITIGATION SYSTEM ACTIVATION STATUS MEMORANDUM" DATED 1/22/10; AND C-901B "AS-BUILT SOIL VAPOR COLLECTION SYSTEM AND DETAILS" DATED 11/28/07; AND BY FIELD OBSERVATIONS ON 2/27/14 AKRF, INC.
 2. ELEVATIONS ARE IN QUEENS BOROUGH DATUM.



LEGEND:

- SOIL BREACH IN SITE COVER
- COVERED BY CONCRETE
- COVERED BY ASPHALT
- RAISED LANDSCAPED PLANTERS (ATOP CONCRETE)
- CHAINLINK FENCE
- BUILDING LINE
- PARCEL BOUNDARY
- PROPERTY BOUNDARY

© 2012 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\30141 - Moss Flushing\Construction activities\Figures\Post Remediation Mon Wells 0502145.dwg





Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

FLUSHING INDUSTRIAL PARK
FLUSHING, NEW YORK

POST-REMEDIATION MONITORING WELL PLAN

DATE
5.20.2015

SCALE
as shown

PROJECT No.
30141

FIGURE
4

APPENDIX A
OWNERSHIP CHANGE DOCUMENTATION

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: Flushing Industrial Park (Western), Parcel 3 **DEC Site ID No.** C241079

II. Contact Information of Person Submitting Notification:

Name: David Brickman
Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07062
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

- ☒ Change in Ownership or Change in Remedial Party(ies)
☐ Transfer of Certificate of Completion (CoC)
☐ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): See below

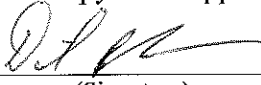
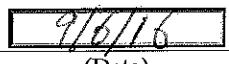
IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

Lot 1209 is tentatively scheduled to close on October 15, 2016, although the closing could occur as early as Sept. 30. The prospective purchaser is Xiao Mei Wang, 40-28 College Point Blvd., PH216, Flushing, NY 11354. Lots 1233 and 1238 are tentatively scheduled to close on November 1, 2016. As noted in our June 14 correspondence, the prospective purchaser is Da Tang Management LLC, 2734 Little Neck Blvd., Bayside, NY 11360.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

- V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name:  
(Signature) (Date)

David Brickman
(Print Name)

Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners

Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042

Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

- VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☒ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: Please see above

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Certifying Party Name: Sky View Parc II, L.P.

Address1: c/o David Brickman, Onex Real Estate Partners

Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042

Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

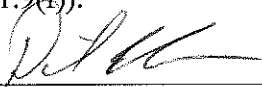
VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

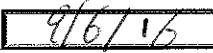
Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name:


(Signature)


(Date)


(Print Name)

Address1: Sky View Office Owner, L.P., c/o David Brickman, Onex Real Estate Partners

Address2: 95 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042

Phone: 212-993-5706

E-mail: dbrickman@onexrealestate.com

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: Flushing Industrial Park (Western), Parcel 2 **DEC Site ID No.** C241078

II. Contact Information of Person Submitting Notification:

Name: David Brickman
Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07062
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

- ☒ Change in Ownership or Change in Remedial Party(ies)
☐ Transfer of Certificate of Completion (CoC)
☐ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): See below

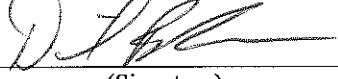
IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

Lot 1209 is tentatively scheduled to close on October 15, 2016, although the closing may occur as early as Sept. 30. The prospective purchaser is Xiao Mei Wang, 40-28 College Point Blvd., PH216, Flushing, NY 11354. Lots 1233 and 1238 are tentatively scheduled to close on November 1, 2016. As noted in our June 14 correspondence, the prospective purchaser is Da Tang Management LLC, 2734 Little Neck Blvd., Bayside, NY 11360.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

- V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name:  
(Signature) (Date)

David Brickman
(Print Name)

Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

- VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☒ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: Please see above
Address1: _____
Address2: _____
Phone: _____ E-mail: _____

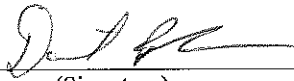
Certifying Party Name: Sky View Parc II, L.P.
Address1: c/o David Brickman, Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name: 
(Signature)


(Date)

David Brickman
(Print Name)

Address1: Sky View Office Owner, L.P., c/o David Brickman, Onex Real Estate Partners

Address2: 95 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042

Phone: 212-993-5706

E-mail: dbrickman@onexrealestate.com

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. **Site Name:** Flushing Industrial Park (Western), Parcel 2 **DEC Site ID No.** C241078

II. **Contact Information of Person Submitting Notification:**

Name: David Brickman
Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07062
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

III. **Type of Change and Date:** Indicate the Type of Change(s) (check all that apply):

- ☒ Change in Ownership or Change in Remedial Party(ies)
☐ Transfer of Certificate of Completion (CoC)
☐ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): Jan 2017

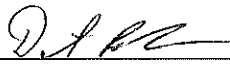
IV. **Description:** Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

Lot 1217 is scheduled to close in January 2017.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

- V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name:  
(Signature) (Date)

David Brickman
(Print Name)

Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

- VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☒ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: Jin Zhang and Lantao Sun
Address1: 3364 21st Street, Apt 6C
Address2: Astoria, NY 11106
Phone: _____ E-mail: _____

Certifying Party Name: Sky View Parc II, L.P.
Address1: c/o David Brickman, Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

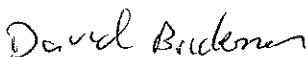
Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name:


(Signature)


(Date)


(Print Name)

Address1: Sky View Office Owner, L.P., c/o David Brickman, Onex Real Estate Partners

Address2: 95 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042

Phone: 212-993-5706

E-mail: dbrickman@onexrealestate.com

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**
Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. **Site Name:** Flushing Industrial Park (Western), Parcel 3 **DEC Site ID No.** C241079

II. **Contact Information of Person Submitting Notification:**

Name: David Brickman
Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07062
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

III. **Type of Change and Date:** Indicate the Type of Change(s) (check all that apply):

- ☒ Change in Ownership or Change in Remedial Party(ies)
☐ Transfer of Certificate of Completion (CoC)
☐ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): Jan 2017

IV. **Description:** Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

Lot 1217 is scheduled to close in January 2017.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

- V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name:  12/19/16
(Signature) (Date)
David Brickman
(Print Name)

Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

- VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☒ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: Jin Zhang and Lanato Sun
Address1: 3364 21st Street, Apt 6C
Address2: Astoria, NY 11106
Phone: _____ E-mail: _____

Certifying Party Name: Sky View Parc II, L.P.
Address1: c/o David Brickman, Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

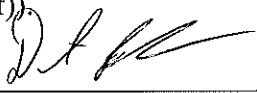
VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

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1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name:


(Signature)

12/19/16
(Date)

David Brickman
(Print Name)

Address1: Sky View Office Owner, L.P., c/o David Brickman, Onex Real Estate Partners

Address2: 95 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042

Phone: 212-993-5706

E-mail: dbrickman@onexrealestate.com

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: Flushing Industrial Park (Western), Parcel 2 **DEC Site ID No.** C241078

II. Contact Information of Person Submitting Notification:

Name: David Brickman
Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07062
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

- ☒ Change in Ownership or Change in Remedial Party(ies)
☐ Transfer of Certificate of Completion (CoC)
☐ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): Nov. 21, 2016

IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

This notice corrects one dated Sept. 6, 2016. The correct purchaser information for Lots 1233 and 1238 is Skyview 31 & 37 LLC. Post-closing notification will be sent as well.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

- V. Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name:  12/19/16
(Signature) (Date)

David Brickman
(Print Name)

Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

- VI. Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☒ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: Skyview 31 & 37 LLC
Address1: c/o Wendy Wenqin Lu
Address2: 3196 213th Street, Bayside, NY 11360
Phone: 214-837-9648 E-mail: _____

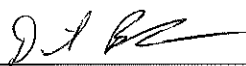
Certifying Party Name: Sky View Parc II, L.P.
Address1: c/o David Brickman, Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

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Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name: 
(Signature)

12/9/16
(Date)

David Brickman
(Print Name)

Address1: Sky View Office Owner, L.P., c/o David Brickman, Onex Real Estate Partners

Address2: 95 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042

Phone: 212-993-5706

E-mail: dbrickman@onexrealestate.com

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. **Site Name:** Flushing Industrial Park (Western), Parcel 3 **DEC Site ID No.** C241079

II. **Contact Information of Person Submitting Notification:**

Name: David Brickman
Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07062
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

III. **Type of Change and Date:** Indicate the Type of Change(s) (check all that apply):

- ☒ Change in Ownership or Change in Remedial Party(ies)
☐ Transfer of Certificate of Completion (CoC)
☐ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): Nov. 21, 2016

IV. **Description:** Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

This notice corrects one dated Sept. 6, 2016. The correct purchaser information for Lots 1233 and 1238 is Skyview 31 & 37 LLC. Post-closing notification will be sent as well.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

- V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name:  12/19/16
(Signature) (Date)
David Brickman
(Print Name)

Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

- VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☒ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: Skyview 31 & 37 LLC
Address1: c/o Wendy Wenqin Lu
Address2: 3196 213th Street, Bayside, NY 11360
Phone: 214-837-9648 E-mail: _____

Certifying Party Name: Sky View Parc II, L.P.
Address1: c/o David Brickman, Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

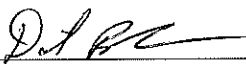
VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

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2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name:


(Signature)


(Date)

David Brickman
(Print Name)

Address1: Sky View Office Owner, L.P., c/o David Brickman, Onex Real Estate Partners

Address2: 95 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042

Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: Flushing Industrial Park (Western), Parcel 2 **DEC Site ID No.** C241078

II. Contact Information of Person Submitting Notification:

Name: David Brickman
Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07062
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

- ☒ Change in Ownership or Change in Remedial Party(ies)
☐ Transfer of Certificate of Completion (CoC)
☐ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): March 2017

IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

The Owner is in discussions to transfer Lots 1211 and 1212. Although no contract has been signed, the closing could occur as soon as 45 days after the contract is signed.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

- V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: _____
(Signature) _____ (Date)

(Print Name)

Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

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☒ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: Lewensa LLC
Address1: 3364 21st Street, Apt 6C
Address2: 41-60 Main St., #305, Flushing, NY 11355
Phone: (718) 888-0061 E-mail: brenda@amnstitute.com

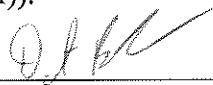
Certifying Party Name: Sky View Parc II, L.P.
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VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name: 
(Signature)

2/13/17
(Date)

David Brickman
(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. **Site Name:** Flushing Industrial Park (Western), Parcel 3 **DEC Site ID No.** C241079

II. **Contact Information of Person Submitting Notification:**

Name: David Brickman
Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07062
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

III. **Type of Change and Date:** Indicate the Type of Change(s) (check all that apply):

- ☒ Change in Ownership or Change in Remedial Party(ies)
☐ Transfer of Certificate of Completion (CoC)
☐ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): March 2017

IV. **Description:** Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

The Owner is in discussions to transfer Lots 1211 and 1212. Although no contract has been signed, the closing could occur as soon as 45 days after the contract is signed.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

- V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: _____
(Signature) _____
(Date)

(Print Name)

Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

- VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☒ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: Lewensa LLC
Address1: 3364 21st Street, Apt 6C
Address2: 41-60 Main St., #305, Flushing, NY 11355
Phone: (718) 888-0061 E-mail: brenda@amnstitute.com

Certifying Party Name: Sky View Parc II, L.P.
Address1: c/o David Brickman, Onex Real Estate Partners
Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042
Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name: David Buckner
(Signature)

2/13/17
(Date)

David Buckner
(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

JENNIFER COGHLAN
DIRECT DIAL: (646) 378-7253
JCOGHLAN@SPRLAW.COM

June 14, 2016

VIA FEDERAL EXPRESS

Chief, Site Control Section
New York State Department of
Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7020

Re: Flushing Industrial Park, Parcels 2 and 3
BCP Site Nos. C241078 and C241079

To Whom It May Concern:

As indicated in prior correspondence to the Department, in December 2015, Lot 1206 (part of Parcels 2 and 3) was subdivided into Lots 1206-1238, and Lot 1206 was transferred to BRE Skyview Retail Owner 2 LLC. Sky View Park Office Owner, L.P. remained the owner of Lots 1207-1238 and has recently sold and and/or entered into Purchase Agreements for a number of those lots, each of which is part of the two BCP sites referenced above. The transfers covered in enclosed notice includes:

- In January 2016, Lot 1215 was transferred to HLSF LLC, Lot 1219 was transferred to TAS R.E. Management LLC, and Lot 1227 was transferred to Realty Management of Queens LLC.
- In February 2016, Lot 1216 was transferred to Kuangmu LLC, Lot 1232 was transferred to J & R Team LLC, Lot 1234 was transferred to Guo Group LLC and Lot 1236 was transferred to Hanjun Liu.
- In March 2016, Lots 1213 and 1214 were transferred to VIBRENA LLC, Lot 1224 was transferred to RX371 LLC, and Lot 1230 was transferred to Roland Nyein and Lila Nyein.
- In April 2016, Lot 1220 was transferred to Skyview 17 LLC.
- In May 2016, Lot 1223 was transferred to Esmond Management LLC and Lot 1237 was transferred to City Bright Holding LLC.

June 14, 2016

Page -2-

- Jon & Ching Sam LLC has entered into a Purchase and Sale Agreement for Lot 1235 and the closing is currently scheduled for June 9, 2016.
- Purchase and Sale Agreements have also been executed for Lots 1221 (J2C2, LLC), 1226 (College Point LLC), and 1231 (Willis Great Empire LLC), but closings have not yet been scheduled.

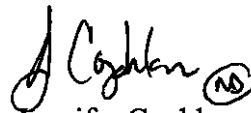
Pursuant to a June 1, 2016 conversation with Bernadette Anderson, we are submitting a single change in use notification form for each site, each of which includes an attached spreadsheet containing the relevant information for the lots that have or will be transferred.

We respectfully request that this letter also serve as the post-closing notification for Lots 1213, 1214, 1215, 1216, 1219, 1220, 1223, 1224, 1227, 1230, 1232, 1234, 1236 and 1237, for which the closings have already taken place. The new owner contact information is set forth in the spreadsheet attached to the forms.

We will submit post-closing notifications for Lots 1235, 1221, 1226, and 1231 once the anticipated closings occur.

Please contact me if you have any questions or require any further information.

Sincerely,



Jennifer Coghlan

Cc (via email):

Rosalie Rusinko, Esq., DEC
Bernadette Anderson, DEC
Kate Brunner, Marcus Simons, AKRF
David Brickman, Sky View Office Owner, L.P.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. **Site Name:** Flushing Industrial Park (Western), Parcel 2 **DEC Site ID No.** C241078

II. **Contact Information of Person Submitting Notification:**

Name: David Brickman

Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners

Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07062

Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com

III. **Type of Change and Date:** Indicate the Type of Change(s) (check all that apply):

- ☒ Change in Ownership or Change in Remedial Party(ies)
☐ Transfer of Certificate of Completion (CoC)
☐ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): See attached

IV. **Description:** Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

Please see attached.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

- V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name:


(Signature)

6/19/16

(Date)

David Brickman
(Print Name)

Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners

Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042

Phone: 212-993-5706

E-mail: dbrickman@onexrealestate.com

- VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☒ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: Please see attached.

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Certifying Party Name: Sky View Parc II, L.P.

Address1: c/o David Brickman, Onex Real Estate Partners

Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042

Phone: 212-993-5706

E-mail: dbrickman@onexrealestate.com

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Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name:



(Signature)

6/14/16

(Date)

David Brickman

(Print Name)

Address1: Sky View Office Owner, L.P., c/o David Brickman, Onex Real Estate Partners

Address2: 95 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042

Phone: 212-993-5706

E-mail: dbrickman@onexrealestate.com

Legal Designation #	Lot Number	Purchaser	Contact Person	Address	City, State Zip	Contact Phone Number	Contact Email Address	Closing Date
E01	1207							
E02	1208							
E03	1209							
E05	1210							
E06	1211							
E07	1212							
E08	1213	VIBRENA LLC	Jin Gui Sun and Yumei Wang	40-28 College Point Blvd., Unit 901	Flushing, NY 11354	917-365-9278 718-200-7257	brenda@amninstitute.com anna@amninstitute.com	March 21, 2016
E09	1214	VIBRENA LLC	Jin Gui Sun and Yumei Wang	40-28 College Point Blvd., Unit 901	Flushing, NY 11354	718-200-7257 917-365-9258	brenda@amninstitute.com anna@amninstitute.com	March 21, 2016
E10	1215	HLSF LLC		40-22 College Point Blvd., Unit 9C	Flushing, NY 11354			January 29, 2016
E11	1216	Kuangmu LLC	Ji-Qing Wei and Yingji Liu	7261 Yellowstone Blvd.	Forest Hills, NY 11375	917-301-1705 718-353-7626	Doc.Wei@yahoo.com	February 18, 2016
E12	1217							
E15	1218							
E16	1219	TAS R.E. Management LLC		1342 Plandome Road	Manhasset, NY 11030			January 27, 2016
E17	1220	Skyview 17 LLC	Andrew Bell (Manager) and Wei Liao (Sole Member)	130 Hill Park Avenue	Great Neck, NY 11021	516-672-0878 516-672-1524	abell@skyvieweyecare.org jwliao@skyvieweyecare.org	April 7, 2016
E18	1221	J2C2, LLC		837 58th Street, Unit 3F	Brooklyn, NY 11220			TBD
E19	1222							
E20	1223	Esmond Management LLC	Yun Feng and Zhi You Zhang and Hongye Li	343 East 30th Street, Unit 16J	New York, NY 10016	646-238-3359 717-877-2268 631-388-1212	jianyun99@gmail.com zhangzhiyou@yahoo.com Lihy66@gmail.com	May 26, 2016
E21	1224	RX371 LLC	Chung Lui Lam and Man Ho Lam	4630 Kissena Blvd.	Flushing, NY 11355	917-922-0098 812-240-5036	clamrx@gmail.com man35151@yahoo.com	March 7, 2016
E22	1225							
E23	1226	College Point LLC		6 Forest Glen Court	Werstfield, NJ 07090			TBD
E25	1227	Realty Management of Queens LLC		3638 218th Street	Bayside, NY 11361			January 27, 2016
E26	1228							
E27	1229							
E28	1230	Roland Nyein and Lila Nyein	Roland Nyein and Lila Nyein	6 Stillwell Lane	Woodbury, NY 11797	917-838-8919 646265-4391	rnyein@aol.com	March 10, 2016
E29	1231	Willis Great Empire LLC		63 Bristol Drive	Manhasset, NY 11030			TBD
E30	1232	J & R Team LLC	Wen-Wei Tchou and Linda Ling-Hua Huang	134-43 Maple Avenue, Unit 1E	Flushing, NY 11355	631-235-3206 917-579-1291	onewaychoochootrain@yahoo.com Molars99@yahoo.com	February 25, 2016
E31	1233	Da Tang Management LLC		2734 Little Neck Blvd.	Bayside, NY 11360			
E32	1234	Guo Group LLC		8420 51st Avenue, Suite 2F	Elmhurst, NY 11373			February 11, 2016
E33	1235	Jon & Ching Sam LLC		136-20 38th Avenue, Suite 7D	Flushing, NY 11354			Scheduled for 6/9/2016
E35	1236	Hanjun Liu		144-67 41st Avenue, Apt. 122	Flushing, NY 11355			February 3, 2016
E36	1237	City Bright Holding LLC	Lei Huang	6 Franklin Avenue	Port Washington, NY 11050	718-808-2889 215-900-9332	guovictoria@hotmail.com	May 31, 2016
E37	1238	Da Tang Management LLC		2734 Little Neck Blvd.	Bayside, NY 11360			

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: Flushing industrial Park (Western), Parcel 3 **DEC Site ID No.** C241079

II. Contact Information of Person Submitting Notification:

Name: David Brickman

Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners

Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07062

Phone: 212-993-5706

E-mail: dbrickman@onexrealestate.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

- ☒ Change in Ownership or Change in Remedial Party(ies)
☐ Transfer of Certificate of Completion (CoC)
☐ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): See attached.

IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

Please see attached.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

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I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name:

David Brickman

(Signature)

6/14/2016

(Date)

David Brickman

(Print Name)

Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners

Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042

Phone: 212-993-5706

E-mail: dbrickman@onexrealestate.com

- VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☒ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: Please see attached.

Address1: _____

Address2: _____

Phone: _____

E-mail: _____

Certifying Party Name: Sky View Parc II, L.P.

Address1: c/o David Brickman, Onex Real Estate Partners

Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042

Phone: 212-993-5706

E-mail: dbrickman@onexrealestate.com

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Within 30 days of the sale of the site, I agree to submit to the DEC:

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2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name:



(Signature)

6/14/16

(Date)

David Brickman

(Print Name)

Address1: Sky View Office Owner, L.P., c/o David Brickman, Onex Real Estate Partners

Address2: 95 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042

Phone: 212-993-5706

E-mail: dbrickman@onexrealestate.com

Legal Designation #	Lot Number	Purchaser	Contact Person	Address	City, State Zip	Contact Phone Number	Contact Email Address	Closing Date
E01	1207							
E02	1208							
E03	1209							
E05	1210							
E06	1211							
E07	1212							
E08	1213	VIBRENA LLC	Jin Gui Sun and Yumei Wang	40-28 College Point Blvd., Unit 901	Flushing, NY 11354	917-365-9278 718-200-7257	brenda@amninstitute.com anna@amninstitute.com	March 21, 2016
E09	1214	VIBRENA LLC	Jin Gui Sun and Yumei Wang	40-28 College Point Blvd., Unit 901	Flushing, NY 11354	718-200-7257 917-365-9258	brenda@amninstitute.com anna@amninstitute.com	March 21, 2016
E10	1215	HLSF LLC		40-22 College Point Blvd., Unit 9C	Flushing, NY 11354			January 29, 2016
E11	1216	Kuangmu LLC	Ji-Qing Wei and Yingji Liu	7261 Yellowstone Blvd.	Forest Hills, NY 11375	917-301-1705 718-353-7626	Doc.Wei@yahoo.com	February 18, 2016
E12	1217							
E15	1218							
E16	1219	TAS R.E. Management LLC		1342 Plandome Road	Manhasset, NY 11030			January 27, 2016
E17	1220	Skyview 17 LLC	Andrew Bell (Manager) and Wei Liao (Sole Member)	130 Hill Park Avenue	Great Neck, NY 11021	516-672-0878 516-672-1524	abell@skyvieweyecare.org jwliao@skyvieweyecare.org	April 7, 2016
E18	1221	J2C2, LLC		837 58th Street, Unit 3F	Brooklyn, NY 11220			TBD
E19	1222							
E20	1223	Esmond Management LLC	Yun Feng and Zhi You Zhang and Hongye Li	343 East 30th Street, Unit 16J	New York, NY 10016	646-238-3359 717-877-2268 631-388-1212	jianyun99@gmail.com zhangzhiyou@yahoo.com Lihy66@gmail.com	May 26, 2016
E21	1224	RX371 LLC	Chung Lui Lam and Man Ho Lam	4630 Kissena Blvd.	Flushing, NY 11355	917-922-0098 812-240-5036	clamrx@gmail.com man35151@yahoo.com	March 7, 2016
E22	1225							
E23	1226	College Point LLC		6 Forest Glen Court	Werstfield, NJ 07090			TBD
E25	1227	Realty Management of Queens LLC		3638 218th Street	Bayside, NY 11361			January 27, 2016
E26	1228							
E27	1229							
E28	1230	Roland Nyein and Lila Nyein	Roland Nyein and Lila Nyein	6 Stillwell Lane	Woodbury, NY 11797	917-838-8919 646265-4391	rnyein@aol.com	March 10, 2016
E29	1231	Willis Great Empire LLC		63 Bristol Drive	Manhasset, NY 11030			TBD
E30	1232	J & R Team LLC	Wen-Wei Tchou and Linda Ling-Hua Huang	134-43 Maple Avenue, Unit 1E	Flushing, NY 11355	631-235-3206 917-579-1291	onewaychoochootrain@yahoo.com Molars99@yahoo.com	February 25, 2016
E31	1233	Da Tang Management LLC		2734 Little Neck Blvd.	Bayside, NY 11360			
E32	1234	Guo Group LLC		8420 51st Avenue, Suite 2F	Elmhurst, NY 11373			February 11, 2016
E33	1235	Jon & Ching Sam LLC		136-20 38th Avenue, Suite 7D	Flushing, NY 11354			Scheduled for 6/9/2016
E35	1236	Hanjun Liu		144-67 41st Avenue, Apt. 122	Flushing, NY 11355			February 3, 2016
E36	1237	City Bright Holding LLC	Lei Huang	6 Franklin Avenue	Port Washington, NY 11050	718-808-2889 215-900-9332	guovictoria@hotmail.com	May 31, 2016
E37	1238	Da Tang Management LLC		2734 Little Neck Blvd.	Bayside, NY 11360			

JENNIFER COGHLAN
DIRECT DIAL: (646) 378-7253
JCOGHLAN@SPRLAW.COM

September 13, 2016

VIA FEDERAL EXPRESS

Chief, Site Control Section
New York State Department of
Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7020

Re: Flushing Industrial Park, Parcels 2 and 3
BCP Site Nos. C241051, C241078, C241079

To Whom It May Concern:

We are writing to confirm that three of the closings referenced in our June 14, 2016 letter to the Department have occurred.

Lot 1235 was transferred on June 9, 2016. The contact information for the new owner is as follows:

Jon & Ching Sam LLC
c/o Teddy Tat Liu
136-20 38th Avenue, Suite 7D
Flushing, NY 11354
Phone: (718) 316-8700
Email: tliumd@yahoo.com

Lot 1221 was transferred on June 27, 2016. The contact information for the new owner is as follows:

J2C2, LLC
c/o Xu. Z. Chen and James C.-Y. Chou
66 Manor Pond Lane
Irvington, NY 10533

September 13, 2016

Page -2-

Lot 1231 was transferred on August 4, 2016. The contact for information the new owner is as follows:

Willis Great Empire LLC
c/o Caihong Qu and Weimin Qu
63 Bristol Drive
Manhasset, NY 11030
Phone: (914) 213-5002
Email: cathyqu@gmail.com

As noted in our June 14 correspondence, the Certificate of Completion was not transferred in either transaction.

Please call if you have any questions or require additional information.

Sincerely,



Jennifer Coghlan

Cc (via email):

Rosalie Rusinko, Esq., DEC
David Brickman, Onex
Kate Brunner, AKRF
Michael Hofer, Esq., Fried Frank
Jonathan Canter, Esq., Kramer Levin
David Kahen, Esq., Roberts & Holland

JENNIFER COGHLAN
DIRECT DIAL: (646) 378-7253
JCOGHLAN@SPRLAW.COM

October 5, 2016

VIA FEDERAL EXPRESS

Chief, Site Control Section
New York State Department of
Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7020

Re: Flushing Industrial Park, Parcels 2 and 3
BCP Site Nos. C241051, C241078, C241079

To Whom It May Concern:

We are writing to confirm the closing for Lot 1209. The Certificate of Completion was not transferred in this transaction. The contact information for the new owner is as follows:

Xiaomei Wang and Junlin Zhang
40-28 College Point Blvd., PH216
Flushing, NY 11354
Telephone: (929) 231-2905
Email: 11950630sarah@gmail.com

Please call if you have any questions or require additional information.

Sincerely,



Jennifer Coghlan

Cc (via email):

Rosalie Rusinko, Esq., DEC
David Brickman, Onex
Kate Brunner, AKRF
Michael Hofer, Esq., Fried Frank
Jonathan Canter, Esq., Kramer Levin
David Kahen, Esq., Roberts & Holland

SIVE, PAGET & RIESEL P.C.

JENNIFER COGHLAN
DIRECT DIAL: (646) 378-7253
JCOGHLAN@SPRLAW.COM

December 19, 2016

VIA FEDERAL EXPRESS

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7020

Re: Flushing Industrial Park, Parcels 2 and 3
BCP Site Nos. C241051, C241078, C241079

To Whom It May Concern:

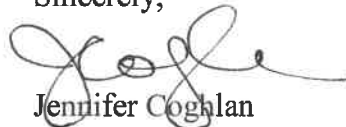
We are writing to confirm the closing for Lot 1233 and 1238. The Certificate of Completion was not transferred in this transaction. The contact information for the new owner for both lots is as follows:

Skyview 31 & 37 LLC
Wendy Wenqin Lu
3196 213th Street
Bayside, NY 11360
(214) 837-9648

Please note that the prior Change of Use Notification, submitted in September 2016, included the name of a prospective purchaser that did not ultimately sign a contract. Copies of the corrected forms are included herewith; the originals will be sent under separate cover.

Please call if you have any questions or require additional information.

Sincerely,



Jennifer Coghlan

Encl.

Cc (via email):

Bernadette Anderson, Rosalie Rusinko, Esq., DEC
David Brickman, Onex
Kate Brunner, AKRF
Michael Hofer, Esq., Fried Frank
Jonathan Canter, Esq., Kramer Levin
David Kahen, Esq., Roberts & Holland

SIVE, PAGET & RIESEL P.C.

Jennifer Coghlan
Direct Dial: (646) 378-7253
jcoghlan@sprlaw.com

March 13, 2017

VIA FEDERAL EXPRESS
Chief, Site Control Section
New York State Department of
Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7020

Re: Flushing Industrial Park, Parcels 2 and 3
BCP Site Nos. C241051, C241078, C241079

To Whom It May Concern:

We are writing to confirm the closing for Lot 1211 and 1212. The Certificate of Completion was not transferred in this transaction. The contact information for the new owner for both lots is as follows:

Lewensa LLC
Yumei Wang, Jin Gui Sun and Hao Li
41-60 Main St., #305
Flushing, NY 11355
(718) 200-7275
brenda@amninstitute.com

Please call if you have any questions or require additional information.

Sincerely,



Jennifer Coghlan

Cc (via email):

Bernadette Anderson, Rosalie Rusinko, Esq., DEC
David Brickman, Onex
Kate Brunner, AKRF
Michael Hofer, Esq., Fried Frank
Jonathan Canter, Esq., Kramer Levin
David Kahen, Esq., Roberts & Holland

APPENDIX B
PHOTOGRAPHS OF SITE ACTIVITIES



Photograph 1: Utility trench excavation on the southern portion of Parcel 2.



Photograph 2: Utility installation on the southern portion of Parcel 2.



Photograph 3: RMZ A soil excavation to expose utilities at the SVP West Entrance Pavilion (Parcels 1 and 2).



Photograph 4: Driving H-piles at the SVP West Entrance Pavilion.



Photograph 5: RMZ A soil excavation to expose a catch basin at the SVP West Entrance Pavilion.



Photograph 6: Soil excavation to expose H-piles at the SVP West Entrance Pavilion.



Photograph 7: RMZ B soil excavation for the SVP West Entrance Pavilion elevator pit.



Photograph 8: RMZ A and RMZ B soil stockpiles and sediment control (hay bales) at the SVP West Entrance Pavilion.



Photograph 9: Loading non-hazardous RMZ B soil into trucks for off-site disposal at Clean Earth of Carteret.



Photograph 10: View of the SVP West Entrance Pavilion elevator pit concrete mud slab (post-pour).



Photograph 11: View of the vapor barrier installed on exterior portions of the elevator pit.



Photograph 12: Applying Aquafin® brand waterproofing on the elevator pit foundation.



Photograph 13: Backfilling with RMZ A soil around the elevator pit foundation.



Photograph 14: Backfilling and compacting imported gravel within the elevator building foundation.



Photograph 15: Catch basin installation and orange snow fencing as a demarcation layer east-adjacent to the SVP West Entrance Pavilion.



Photograph 16: Southwestern view of the SVP West Entrance Pavilion.



Photograph 17: Northern view of whalers (H-beams) being installed on the Parcel 3 marine bulkhead sheeting.



Photograph 18: Tie-back installation in RMZ A soil at the Parcel 3 marine bulkhead sheeting.

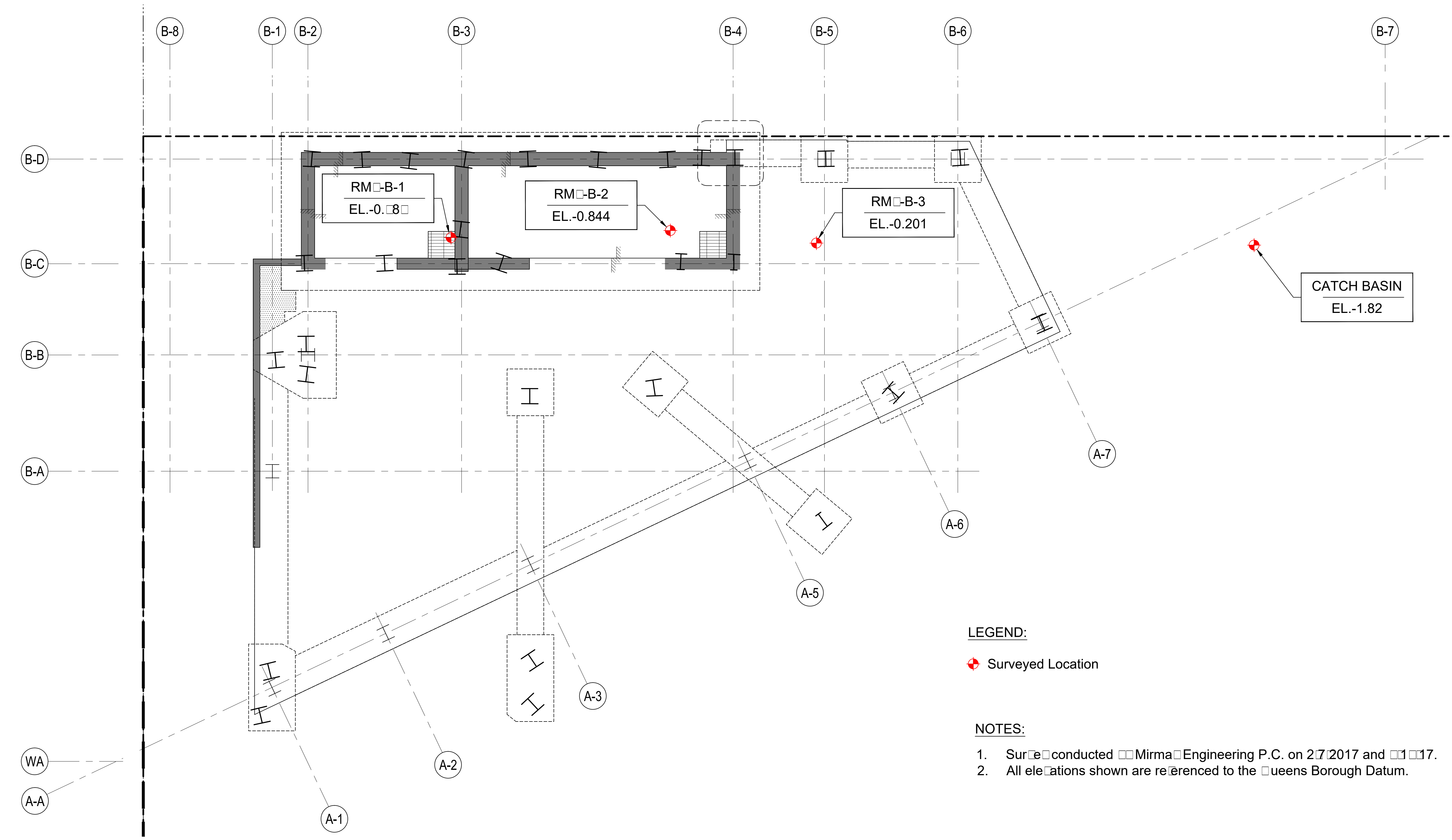


Photograph 19: Northern view of the Parcel 3 esplanade western retaining wall (post-concrete pour).



Photograph 20: RMZ A soil excavation for installation of the eastern retaining wall at the Parcel 3 esplanade.

APPENDIX C
SURVEY OF EXCAVATION AREA



LEGEND:

Surveyed Location

NOTES:

- Survey conducted by Mirma Engineering P.C. on 2/7/2017 and 3/17.
- All elevations shown are referenced to the Queens Borough Datum.



LOCATION MAP

MIRMA
ENGINEERING P.C.
Land Surveying & Mapping - Civil - Structural
Vibration Monitoring & Instrumentation
8 HILLSIDE AVE, SUITE 205
MONTCLAIR, NJ 07042
973-233-4242

NO	DATE	REV	ISSUE

NOTES:
ALL ELEVATIONS ARE MEASURED RELATIVE TO QBD DATUM

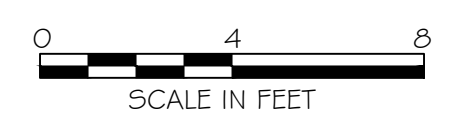
CLIENT
ONEX REAL ESTATE PARTNERS
SUITE F616
40-26 COLLEGE POINT BOULEVARD
FLUSHING, NY 11040

PROJECT
SVP WEST ENTRANCE PAVILION
131-07 40TH ROAD
FLUSHING, NEW YORK 11354

TITLE
FLUSHING INDUSTRIAL PARK
PARCEL 2 - ELEVATOR BUILDING

SCALE:
DATE: 5/24/2017
PROJECT NO:

STATE OF NEW YORK
SEAL OF THE PROFESSIONAL ENGINEER
STEPHEN NEWARK
068452-1
REGISTERED PROFESSIONAL ENGINEER
SS-001
01 OF 01



APPENDIX D
LABORATORY ANALYTICAL RESULTS

ANALYTICAL REPORT

Job Number: 460-127729-1

Job Description: Flushing Industrial Park

For:
AKRF Inc
34 South Broadway
Suite 314
White Plains, NY 10601
Attention: Stephen Grens

Melissa Haas

Approved for release.
Melissa Haas
Project Manager I
2/9/2017 10:59 AM

Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
02/09/2017

cc: Kate Brunner
Ms. Neoma Chefalo
Mr. Stephen Schmidt

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

TestAmerica Laboratories, Inc.

TestAmerica Edison 777 New Durham Road, Edison, NJ 08817
Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com



Job Number: 460-127729-1

Job Description: Flushing Industrial Park

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

A handwritten signature in dark ink that reads "Melissa Haas". The signature is written in a cursive style with a horizontal line underneath.

Approved for release.
Melissa Haas
Project Manager I
2/9/2017 10:59 AM

Melissa Haas

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CASE NARRATIVE

Client: AKRF Inc

Project: Flushing Industrial Park

Report Number: 460-127729-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 02/01/2017; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.5 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Acetone was detected in method blank MB 460-417855/7 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Acetone was detected in method blank MB 460-418049/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample CE-WC-1 (460-127729-1) was analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260C. The samples were prepared on 02/02/2017 and analyzed on 02/04/2017.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 460-417855 recovered above the upper control limit for Acetonitrile. The laboratory prep blank associated with this CCV was non-detect for the affected analyte; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GASOLINE RANGE ORGANICS

Sample CE-WC-1 (460-127729-1) was analyzed for Gasoline Range Organics in accordance with EPA SW-846 Method 8015D - GRO. The samples were prepared on 02/02/2017 and analyzed on 02/03/2017.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

DIESEL RANGE ORGANIC

Sample CE-WC-1 (460-127729-1) was analyzed for Diesel range organic in accordance with EPA SW-846 Method 8015D_DRO. The samples were prepared on 02/02/2017 and analyzed on 02/03/2017.

#2 Diesel Fuel failed the recovery criteria low for the MS of sample CE-WC-1MS (460-127729-1) in batch 460-417928.

#2 Diesel Fuel failed the recovery criteria low for the MSD of sample CE-WC-1MSD (460-127729-1) in batch 460-417928.

Refer to the QC report for details.

Method(s) 8015C, 8015D: The following samples was diluted to bring the concentration of target analytes within the calibration range: CE-WC-1 (460-127729-1), (460-127729-L-1-A MS) and (460-127729-L-1-B MSD). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES

Sample CE-WC-1 (460-127729-1) was analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 02/02/2017 and analyzed on 02/03/2017.

DCB Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria low for 460-127507-E-1-G MS. Refer to the QC report for details.

Several analytes exceeded the RPD limit for the MSD of sample 460-127507-1 in batch 460-418193.

Refer to the QC report for details.

Method(s) 8081B: Internal standard (ISTD) response for the following MS exceeded the control limit on primary Column: (460-127507-E-1-G MS). As such, the sample results associated with this ISTD were reported from the other column, which met ISTD acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS

Sample CE-WC-1 (460-127729-1) was analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 02/02/2017 and analyzed on 02/03/2017.

Method(s) 8082A: The surrogate recovery for MS was outside control limits but surrogate recovery for sample and MSD were within control limits, sample was none detected. Data has been reported. (460-127507-E-1-D MS)

Aroclor 1016 and Aroclor 1260 failed the recovery criteria high for the MS of sample 460-127507-1 in batch 460-417975.

Aroclor 1016 exceeded the RPD limit for the MSD of sample 460-127507-1 in batch 460-417975.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CHLORINATED HERBICIDES

Sample CE-WC-1 (460-127729-1) was analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 02/06/2017 and analyzed on 02/07/2017.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample CE-WC-1 (460-127729-1) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 02/06/2017 and analyzed on 02/08/2017.

For the MSD of sample 460-127688-11 in batch 460-418529, Several analytes failed the recovery criteria low. Dimethyl phthalate failed the recovery criteria high. Also, Hexachlorocyclopentadiene exceeded the RPD limit.

Sample CE-WC-1 (460-127729-1)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 460-418328 was outside the method criteria for the following analyte(s): 3,3'-Dichlorobenzidine <AffectedAnalytes>. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 460-418328 was outside the method criteria for the following analyte(s): Caprolactam <AffectedAnalytes>. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: (LCS 460-418240/2-A). These results have been reported and qualified.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 460-418440 was outside the method criteria for the following analyte(s): 2,2'-oxybis[1-chloropropane] <AffectedAnalytes>. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to

be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: (460-127688-H-11-G). These results have been reported and qualified.

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: (460-127688-H-11-E MS) and (460-127688-H-11-F MS). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)

Sample CE-WC-1 (460-127729-1) was analyzed for extractable petroleum hydrocarbons (EPH) in accordance with NJDEP EPH. The samples were prepared on 02/06/2017 and analyzed on 02/08/2017.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

TCLP METALS

Sample CE-WC-1 (460-127729-1) was analyzed for TCLP metals in accordance with EPA SW-846 Methods 1311/ 6010C. The samples were leached on 02/02/2017, prepared on 02/04/2017 and analyzed on 02/05/2017.

for the duplicate of sample 460-127756-8. Refer to the QC report for details.

No other difficulties were encountered during the TCLP metals analysis.

All other quality control parameters were within the acceptance limits.

METALS

Sample CE-WC-1 (460-127729-1) was analyzed for Metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared and analyzed on 02/06/2017.

Several analytes failed the recovery criteria low for the MS of sample 460-127785-2 in batch 490-406088.

Aluminum and Manganese failed the recovery criteria low for the MSD of sample 460-127785-2 in batch 490-406088. Manganese and Sulfur exceeded the RPD limit.

Refer to the QC report for details.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM

Sample CE-WC-1 (460-127729-1) was analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were prepared and analyzed on 02/06/2017 and 02/07/2017.

Method(s) 7196A: The matrix spike soluble / matrix spike insoluble (MS/MSI) and Post spike recoveries for 418276 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 7196A: The matrix spike soluble/matrix spike insoluble (MSS/MSI) recoveries for batch 418449, which is a re-prep of 418276, were outside control limits due to sample matrix. The associated laboratory control sample (LCSS/LCSI) recoveries met acceptance criteria. Both sets of data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TCLP MERCURY

Sample CE-WC-1 (460-127729-1) was analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 02/02/2017, and prepared and analyzed on 02/03/2017.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

TOTAL MERCURY

Sample CE-WC-1 (460-127729-1) was analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 02/02/2017.

Mercury failed the recovery criteria high for the MS of sample 460-127719-3 in batch 460-417711.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

No additional analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

IGNITABILITY

Sample CE-WC-1 (460-127729-1) was analyzed for Ignitability in accordance with EPA SW-846 Method 1030. The samples were analyzed on 02/03/2017.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

TRIVALENT CHROMIUM

Sample CE-WC-1 (460-127729-1) was analyzed for trivalent chromium in accordance with EPA SW-846 7196A_CR3 by Calculation. The samples were analyzed on 02/07/2017.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

TOTAL CYANIDE

Sample CE-WC-1 (460-127729-1) was analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared on 02/02/2017 and analyzed on 02/03/2017.

No difficulties were encountered during the cyanide analysis.

All quality control parameters were within the acceptance limits.

REACTIVE CYANIDE

Sample CE-WC-1 (460-127729-1) was analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared and analyzed on 02/06/2017.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

REACTIVE SULFIDE

Sample CE-WC-1 (460-127729-1) was analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4/9034. The samples were prepared and analyzed on 02/06/2017.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

CORROSIVITY (PH)

Sample CE-WC-1 (460-127729-1) was analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 02/03/2017.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

PAINT FILTER

Sample CE-WC-1 (460-127729-1) was analyzed for Paint Filter in accordance with EPA SW-846 Method 9095B. The samples were analyzed on 02/06/2017.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

PERCENT SOLIDS/PERCENT MOISTURE

Sample CE-WC-1 (460-127729-1) was analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 02/02/2017.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-127729-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-127729-1	CE-WC-1					
Acetone		5.6	B	5.5	ug/Kg	8260C
Methylene Chloride		1.3		1.1	ug/Kg	8260C
2-Methylnaphthalene		94	J	780	ug/Kg	8270D
Acenaphthene		150	J	780	ug/Kg	8270D
Acenaphthylene		91	J	780	ug/Kg	8270D
Anthracene		440	J	780	ug/Kg	8270D
Benzo[a]anthracene		1000		78	ug/Kg	8270D
Benzo[a]pyrene		830		78	ug/Kg	8270D
Benzo[b]fluoranthene		1000		78	ug/Kg	8270D
Benzo[g,h,i]perylene		500	J	780	ug/Kg	8270D
Benzo[k]fluoranthene		410		78	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate		110	J	780	ug/Kg	8270D
Carbazole		150	J	780	ug/Kg	8270D
Chrysene		1000		780	ug/Kg	8270D
Dibenz(a,h)anthracene		140		78	ug/Kg	8270D
Dibenzofuran		130	J	780	ug/Kg	8270D
Di-n-butyl phthalate		25	J	780	ug/Kg	8270D
Fluoranthene		2300		780	ug/Kg	8270D
Fluorene		190	J	780	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		580		78	ug/Kg	8270D
Naphthalene		140	J	780	ug/Kg	8270D
Phenanthrene		1700		780	ug/Kg	8270D
Phenol		85	J	780	ug/Kg	8270D
Pyrene		1500		780	ug/Kg	8270D
C10-C44		1400		100	mg/Kg	8015D
Aroclor 1260		300		79	ug/Kg	8082A
Polychlorinated biphenyls, Total		300		79	ug/Kg	8082A
Total EPH (C9-C40)		590		2.3	mg/Kg	NJDEP EPH
Aluminum		4880		23.7	mg/Kg	6010C
Arsenic		5.5		2.4	mg/Kg	6010C
Barium		59.9		2.4	mg/Kg	6010C
Calcium		39300		237	mg/Kg	6010C
Chromium		14.7		1.2	mg/Kg	6010C
Cobalt		4.0		2.4	mg/Kg	6010C
Copper		26.1		2.4	mg/Kg	6010C
Iron		13800		47.4	mg/Kg	6010C
Lead		54.5		1.2	mg/Kg	6010C
Magnesium		19200		237	mg/Kg	6010C
Manganese		183		3.6	mg/Kg	6010C
Nickel		13.2		2.4	mg/Kg	6010C
Potassium		1540		237	mg/Kg	6010C
Silver		0.74	J	1.2	mg/Kg	6010C
Sodium		316		237	mg/Kg	6010C
Thallium		0.71	J	2.4	mg/Kg	6010C
Vanadium		23.0		11.9	mg/Kg	6010C
Zinc		69.5		11.9	mg/Kg	6010C

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-127729-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Sulfur		1370		59.3	mg/Kg	6010C
Mercury		0.36		0.019	mg/Kg	7471B
Cr (III)		14.7		2.0	mg/Kg	7196A
Cyanide, Total		0.13		0.11	mg/Kg	9012B
pH		9.3	HF		SU	9045D
Corrosivity		9.3	HF		SU	9045D
Percent Moisture		15.0		1.0	%	Moisture
Percent Solids		85.0		1.0	%	Moisture
<i>TCLP</i>						
Barium		472	J	1000	ug/L	6010C
Lead		24.1	J	50.0	ug/L	6010C
Zinc		331		150	ug/L	6010C

METHOD SUMMARY

Client: AKRF Inc

Job Number: 460-127729-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Closed System Purge and Trap	TAL EDI		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270D	
Microwave Extraction	TAL EDI		SW846 3546
Gasoline Range Organics (GRO) (GC)	TAL EDI	SW846 8015D	
Closed System Purge and Trap	TAL EDI		SW846 5035
Diesel Range Organics (DRO) (GC)	TAL EDI	SW846 8015D	
Microwave Extraction	TAL EDI		SW846 3546
Organochlorine Pesticides (GC)	TAL EDI	SW846 8081B	
Microwave Extraction	TAL EDI		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL EDI	SW846 8082A	
Microwave Extraction	TAL EDI		SW846 3546
Herbicides (GC)	TAL EDI	SW846 8151A	
Extraction (Herbicides)	TAL EDI		SW846 8151A
New Jersey Extractable Petroleum Hydrocarbons	TAL EDI	NJDEP NJDEP EPH	
Microwave Extraction	TAL EDI		SW846 3546
Metals (ICP)	TAL EDI	SW846 6010C	
TCLP Extraction	TAL EDI		SW846 1311
Preparation, Total Metals	TAL EDI		SW846 3010A
Mercury (CVAA)	TAL EDI	SW846 7470A	
TCLP Extraction	TAL EDI		SW846 1311
Preparation, Mercury	TAL EDI		SW846 7470A
Mercury (CVAA)	TAL EDI	SW846 7471B	
Preparation, Mercury	TAL EDI		SW846 7471B
Ignitability, Solids	TAL EDI	SW846 1030	
Chromium, Hexavalent	TAL EDI	SW846 7196A	
Alkaline Digestion (Chromium, Hexavalent)	TAL EDI		SW846 3060A
Chromium, Trivalent (Colorimetric)	TAL EDI	SW846 7196A	
Cyanide, Total and/or Amenable	TAL EDI	SW846 9012B	
Cyanide, Total and/or Amenable, Distillation	TAL EDI		SW846 9012B
Cyanide, Reactive	TAL EDI	SW846 9014	
Cyanide, Reactive	TAL EDI		SW846 7.3.3
Sulfide, Reactive	TAL EDI	SW846 9034	
Sulfide, Reactive	TAL EDI		SW846 7.3.4
pH	TAL EDI	SW846 9045D	
Paint Filter	TAL EDI	SW846 9095B	
Percent Moisture	TAL EDI	EPA Moisture	
Metals (ICP)	TAL NSH	SW846 6010C	
Preparation, Metals, Microwave Assisted	TAL NSH		SW846 3051A

METHOD SUMMARY

Client: AKRF Inc

Job Number: 460-127729-1

Description	Lab Location	Method	Preparation Method
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Lab References:

TAL EDI = TestAmerica Edison

TAL NSH = TestAmerica Nashville

Method References:

EPA = US Environmental Protection Agency

NJDEP = New Jersey Department of Environmental Protection

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AKRF Inc

Job Number: 460-127729-1

Method	Analyst	Analyst ID
SW846 8260C	Tupayachi, Audberto	AAT
SW846 8270D	Crocco, Michael	MMC
SW846 8015D	Sarmiento, Daniel	DAS
SW846 8015D	Kouadio, Sylvia O	SOK
SW846 8081B	Kapoor, Sita	SAK
SW846 8082A	Patel, Jignesh	JHP
SW846 8151A	Kapoor, Sita	SAK
NJDEP NJDEP EPH	Kouadio, Sylvia O	SOK
SW846 6010C	Chang, Churn Der	CDC
SW846 6010C	Gallagher, Bonnie	BLG
SW846 7470A	Sheikh, Razia B	RBS
SW846 7471B	Staib, Thomas	TJS
SW846 1030	Hu, Youhao	YAH
SW846 7196A	Kamenetskaya, Raisa	RAK
SW846 7196A	Parillo, Jasmine	JMP
SW846 9012B	Leye, Mamadou	MAL
SW846 9014	Hu, Youhao	YAH
SW846 9034	Hu, Youhao	YAH
SW846 9045D	Hu, Youhao	YAH
SW846 9095B	Hu, Youhao	YAH
EPA Moisture	Villadarez, Gerson Timothy S	GTSV

SAMPLE SUMMARY

Client: AKRF Inc

Job Number: 460-127729-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-127729-1	CE-WC-1	Solid	02/01/2017 1100	02/01/2017 1600

SAMPLE RESULTS

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

% Moisture: 15.0

Date Received: 02/01/2017 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-418049

Instrument ID: CVOAMS4

Prep Method: 5035

Prep Batch: 460-417672

Lab File ID: D32163.D

Dilution: 1.0

Initial Weight/Volume: 5.39 g

Analysis Date: 02/04/2017 1253

Final Weight/Volume: 5 mL

Prep Date: 02/02/2017 0708

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.41	U	0.41	1.1
1,1,2,2-Tetrachloroethane		0.19	U	0.19	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane		0.48	U	0.48	1.1
1,1,2-Trichloroethane		0.31	U	0.31	1.1
1,1-Dichloroethane		0.37	U	0.37	1.1
1,1-Dichloroethene		0.45	U	0.45	1.1
1,2,3-Trichlorobenzene		0.12	U	0.12	1.1
1,2,4-Trichlorobenzene		0.35	U	0.35	1.1
1,2-Dibromo-3-Chloropropane		0.51	U	0.51	1.1
1,2-Dichlorobenzene		0.15	U	0.15	1.1
1,2-Dichloroethane		0.12	U	0.12	1.1
1,2-Dichloropropane		0.19	U	0.19	1.1
1,3-Dichlorobenzene		0.13	U	0.13	1.1
1,4-Dichlorobenzene		0.14	U	0.14	1.1
1,4-Dioxane		7.0	U	7.0	22
2-Butanone (MEK)		0.84	U	0.84	5.5
2-Hexanone		1.0	U	1.0	5.5
4-Methyl-2-pentanone (MIBK)		2.4	U	2.4	5.5
Acetone		5.6	B	1.2	5.5
Acetonitrile		4.4	U	4.4	11
Acrolein		17	U	17	110
Benzene		0.22	U	0.22	1.1
Bromoform		0.14	U	0.14	1.1
Bromomethane		0.35	U	0.35	1.1
Carbon disulfide		0.47	U	0.47	1.1
Carbon tetrachloride		0.47	U	0.47	1.1
Chlorobenzene		0.15	U	0.15	1.1
Chlorobromomethane		0.19	U	0.19	1.1
Chlorodibromomethane		0.16	U	0.16	1.1
Chloroethane		0.38	U	0.38	1.1
Chloroform		0.23	U	0.23	1.1
Chloromethane		0.41	U	0.41	1.1
cis-1,2-Dichloroethene		0.24	U	0.24	1.1
cis-1,3-Dichloropropene		0.16	U	0.16	1.1
Cyclohexane		0.50	U	0.50	1.1
Dichlorobromomethane		0.41	U	0.41	1.1
Dichlorodifluoromethane		0.35	U	0.35	1.1
Ethylbenzene		0.20	U	0.20	1.1
Ethylene Dibromide		0.13	U	0.13	1.1
Isopropylbenzene		0.19	U	0.19	1.1
Methyl acetate		0.98	U	0.98	5.5
Methyl tert-butyl ether		0.19	U	0.19	1.1
Methylcyclohexane		0.55	U	0.55	1.1
Methylene Chloride		1.3		0.35	1.1
m-Xylene & p-Xylene		0.12	U	0.12	1.1
o-Xylene		0.17	U	0.17	1.1

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

% Moisture: 15.0

Date Received: 02/01/2017 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-418049

Instrument ID: CVOAMS4

Prep Method: 5035

Prep Batch: 460-417672

Lab File ID: D32163.D

Dilution: 1.0

Initial Weight/Volume: 5.39 g

Analysis Date: 02/04/2017 1253

Final Weight/Volume: 5 mL

Prep Date: 02/02/2017 0708

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Styrene		0.16	U	0.16	1.1
TBA		3.8	U	3.8	11
Tetrachloroethene		0.31	U	0.31	1.1
Toluene		0.21	U	0.21	1.1
trans-1,2-Dichloroethene		0.43	U	0.43	1.1
trans-1,3-Dichloropropene		0.11	U	0.11	1.1
Trichloroethene		0.28	U	0.28	1.1
Trichlorofluoromethane		0.37	U	0.37	1.1
Vinyl chloride		0.43	U	0.43	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		78 - 135
4-Bromofluorobenzene	104		67 - 126
Dibromofluoromethane (Surr)	108		61 - 149
Toluene-d8 (Surr)	98		73 - 121

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

% Moisture: 15.0

Date Received: 02/01/2017 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-418049

Instrument ID: CVOAMS4

Prep Method: 5035

Prep Batch: 460-417672

Lab File ID: D32163.D

Dilution: 1.0

Initial Weight/Volume: 5.39 g

Analysis Date: 02/04/2017 1253

Final Weight/Volume: 5 mL

Prep Date: 02/02/2017 0708

Tentatively Identified Compounds

Number TIC's Found: 0

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

% Moisture: 15.0

Date Received: 02/01/2017 1600

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-418440

Instrument ID: CBNAMS12

Prep Method: 3546

Prep Batch: 460-418240

Lab File ID: L137254.D

Dilution: 2.0

Initial Weight/Volume: 15.0201 g

Analysis Date: 02/08/2017 0339

Final Weight/Volume: 1 mL

Prep Date: 02/06/2017 1207

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		66	U	66	780
1,2,4,5-Tetrachlorobenzene		58	U	58	780
2,2'-oxybis[1-chloropropane]		32	U	32	780
2,3,4,6-Tetrachlorophenol		73	U	73	780
2,4,5-Trichlorophenol		77	U	77	780
2,4,6-Trichlorophenol		22	U	22	310
2,4-Dichlorophenol		18	U	18	310
2,4-Dimethylphenol		170	U	170	780
2,4-Dinitrophenol		590	U	590	630
2,4-Dinitrotoluene		31	U	31	160
2,6-Dinitrotoluene		41	U	41	160
2-Chloronaphthalene		18	U	18	780
2-Chlorophenol		20	U	20	780
2-Methylnaphthalene		94	J	17	780
2-Methylphenol		34	U	34	780
2-Nitroaniline		26	U	26	780
2-Nitrophenol		26	U	26	780
3,3'-Dichlorobenzidine		87	U	87	310
3-Nitroaniline		23	U	23	780
4,6-Dinitro-2-methylphenol		210	U	210	630
4-Bromophenyl phenyl ether		24	U	24	780
4-Chloro-3-methylphenol		33	U	33	780
4-Chloroaniline		20	U	20	780
4-Chlorophenyl phenyl ether		23	U	23	780
4-Methylphenol		21	U	21	780
4-Nitroaniline		29	U	29	780
4-Nitrophenol		370	U	370	1600
Acenaphthene		150	J	19	780
Acenaphthylene		91	J	20	780
Acetophenone		17	U	17	780
Anthracene		440	J	74	780
Atrazine		35	U	35	310
Benzaldehyde		59	U	59	780
Benzo[a]anthracene		1000		65	78
Benzo[a]pyrene		830		24	78
Benzo[b]fluoranthene		1000		30	78
Benzo[g,h,i]perylene		500	J	45	780
Benzo[k]fluoranthene		410		34	78
Bis(2-chloroethoxy)methane		24	U	24	780
Bis(2-chloroethyl)ether		18	U	18	78
Bis(2-ethylhexyl) phthalate		110	J	30	780
Butyl benzyl phthalate		24	U	24	780
Caprolactam		56	U	56	780
Carbazole		150	J	19	780
Chrysene		1000		21	780
Dibenz(a,h)anthracene		140		40	78

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

% Moisture: 15.0

Date Received: 02/01/2017 1600

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-418440

Instrument ID: CBNAMS12

Prep Method: 3546

Prep Batch: 460-418240

Lab File ID: L137254.D

Dilution: 2.0

Initial Weight/Volume: 15.0201 g

Analysis Date: 02/08/2017 0339

Final Weight/Volume: 1 mL

Prep Date: 02/06/2017 1207

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		130	J	24	780
Diethyl phthalate		22	U	22	780
Dimethyl phthalate		23	U	23	780
Di-n-butyl phthalate		25	J	23	780
Di-n-octyl phthalate		39	U	39	780
Fluoranthene		2300		23	780
Fluorene		190	J	17	780
Hexachlorobenzene		31	U	31	78
Hexachlorobutadiene		22	U	22	160
Hexachlorocyclopentadiene		48	U	48	780
Hexachloroethane		28	U	28	78
Indeno[1,2,3-cd]pyrene		580		52	78
Isophorone		17	U	17	310
Naphthalene		140	J	20	780
Nitrobenzene		24	U	24	78
N-Nitrosodimethylamine		19	U	19	780
N-Nitrosodi-n-propylamine		26	U	26	78
N-Nitrosodiphenylamine		71	U	71	780
Pentachlorophenol		94	U	94	630
Phenanthrene		1700		21	780
Phenol		85	J	25	780
Pyrene		1500		35	780

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	44		10 - 103
2-Fluorobiphenyl	80		38 - 95
2-Fluorophenol (Surr)	66		25 - 92
Nitrobenzene-d5 (Surr)	74		37 - 94
Phenol-d5 (Surr)	64		32 - 91
Terphenyl-d14 (Surr)	66		24 - 109

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

% Moisture: 15.0

Date Received: 02/01/2017 1600

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-418440

Instrument ID: CBNAMS12

Prep Method: 3546

Prep Batch: 460-418240

Lab File ID: L137254.D

Dilution: 2.0

Initial Weight/Volume: 15.0201 g

Analysis Date: 02/08/2017 0339

Final Weight/Volume: 1 mL

Prep Date: 02/06/2017 1207

Injection Volume: 1 uL

Tentatively Identified Compounds

Number TIC's Found: 2

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	13.43	740	J
192-97-2	Benzo[e]pyrene	13.55	740	J N

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

% Moisture: 15.0

Date Received: 02/01/2017 1600

8015D Gasoline Range Organics (GRO) (GC)

Analysis Method:	8015D	Analysis Batch:	460-417999	Instrument ID:	CVOAGC1
Prep Method:	5035	Prep Batch:	460-417677	Initial Weight/Volume:	5.58 g
Dilution:	50			Final Weight/Volume:	10 mL
Analysis Date:	02/03/2017 2028			Injection Volume:	5 mL
Prep Date:	02/02/2017 0721			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
GRO		2600	U	2600	2600

Surrogate	%Rec	Qualifier	Acceptance Limits
a,a,a-Trifluorotoluene	93		80 - 135

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

% Moisture: 15.0

Date Received: 02/01/2017 1600

8015D Diesel Range Organics (DRO) (GC)

Analysis Method: 8015D

Analysis Batch: 460-417928

Instrument ID: CBNAGC3

Prep Method: 3546

Prep Batch: 460-417745

Lab File ID: 3F007027.D

Dilution: 10

Initial Weight/Volume: 15.0247 g

Analysis Date: 02/03/2017 1609

Run Type: DL

Final Weight/Volume: 1 mL

Prep Date: 02/02/2017 1249

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C10-C44		1400		13	100
Surrogate		%Rec	Qualifier	Acceptance Limits	
o-Terphenyl		85		25 - 132	

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

% Moisture: 15.0

Date Received: 02/01/2017 1600

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-417932

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-417830

Initial Weight/Volume: 15.0116 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 02/03/2017 1957

Injection Volume: 1 uL

Prep Date: 02/02/2017 2158

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		1.0	U	1.0	7.9
4,4'-DDE		1.1	U	1.1	7.9
4,4'-DDT		0.81	U	0.81	7.9
Aldrin		0.95	U	0.95	7.9
alpha-BHC		0.72	U	0.72	2.4
beta-BHC		0.76	U	0.76	2.4
Chlordane (technical)		35	U	35	79
delta-BHC		0.86	U	0.86	2.4
Dieldrin		1.0	U	1.0	2.4
Endosulfan I		1.1	U	1.1	7.9
Endosulfan II		1.2	U	1.2	7.9
Endosulfan sulfate		0.92	U	0.92	7.9
Endrin		1.0	U	1.0	7.9
Endrin aldehyde		0.98	U	0.98	7.9
Endrin ketone		1.1	U	1.1	7.9
gamma-BHC (Lindane)		0.71	U	0.71	2.4
Heptachlor		1.0	U	1.0	7.9
Heptachlor epoxide		1.5	U	1.5	7.9
Methoxychlor		1.7	U	1.7	7.9
gamma-Chlordane		1.7	U	1.7	7.9
Toxaphene		23	U	23	79
alpha-Chlordane		1.3	U	1.3	7.9

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	128		50 - 150
Tetrachloro-m-xylene	136		47 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

% Moisture: 15.0

Date Received: 02/01/2017 1600

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-417932

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-417830

Initial Weight/Volume: 15.0116 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 02/03/2017 1957

Injection Volume: 1 uL

Prep Date: 02/02/2017 2158

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	127		50 - 150
Tetrachloro-m-xylene	124		47 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

% Moisture: 15.0

Date Received: 02/01/2017 1600

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-417975

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-417826

Initial Weight/Volume: 15.0116 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 02/03/2017 2058

Injection Volume: 1 uL

Prep Date: 02/02/2017 2054

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		10	U	10	79
Aroclor 1221		10	U	10	79
Aroclor 1232		10	U	10	79
Aroclor 1242		10	U	10	79
Aroclor 1248		10	U	10	79
Aroclor 1254		11	U	11	79
Aroclor 1260		300		11	79
Aroclor 1268		11	U	11	79
Aroclor-1262		11	U	11	79
Polychlorinated biphenyls, Total		300		11	79

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	143		35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

% Moisture: 15.0

Date Received: 02/01/2017 1600

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-417975

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-417826

Initial Weight/Volume: 15.0116 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 02/03/2017 2058

Injection Volume: 1 uL

Prep Date: 02/02/2017 2054

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	139		35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

% Moisture: 15.0

Date Received: 02/01/2017 1600

8151A Herbicides (GC)

Analysis Method: 8151A

Analysis Batch: 460-418431

Instrument ID: CPESTGC3

Prep Method: 8151A

Prep Batch: 460-418320

Initial Weight/Volume: 30.0119 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 02/07/2017 1550

Injection Volume: 1 uL

Prep Date: 02/06/2017 2120

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		9.2	U	9.2	20
Silvex (2,4,5-TP)		13	U	13	20
2,4,5-T		9.2	U	9.2	20
Surrogate		%Rec	Qualifier	Acceptance Limits	
2,4-Dichlorophenylacetic acid		139		80 - 141	

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

% Moisture: 15.0

Date Received: 02/01/2017 1600

8151A Herbicides (GC)

Analysis Method: 8151A

Analysis Batch: 460-418431

Instrument ID: CPESTGC3

Prep Method: 8151A

Prep Batch: 460-418320

Initial Weight/Volume: 30.0119 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 02/07/2017 1550

Injection Volume: 1 uL

Prep Date: 02/06/2017 2120

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	116		80 - 141

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

% Moisture: 15.0

Date Received: 02/01/2017 1600

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-418589	Instrument ID:	CBNAGC2
Prep Method:	3546	Prep Batch:	460-418217	Initial Weight/Volume:	15.0558 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	02/08/2017 1128			Injection Volume:	1 uL
Prep Date:	02/06/2017 1006			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		590		2.3	2.3

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	71		40 - 140
1-Chlorooctadecane	71		40 - 140

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

% Moisture: 15.0

Date Received: 02/01/2017 1600

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 490-406088

Instrument ID: ICP6

Prep Method: 3051A

Prep Batch: 490-405840

Lab File ID: tals_020617-6b.asc

Dilution: 1.0

Initial Weight/Volume: 0.496 g

Analysis Date: 02/06/2017 1712

Final Weight/Volume: 100 mL

Prep Date: 02/06/2017 0933

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4880		11.9	23.7
Antimony		1.2	U	1.2	11.9
Arsenic		5.5		1.4	2.4
Barium		59.9		1.2	2.4
Beryllium		0.24	U	0.24	1.2
Cadmium		0.12	U	0.12	1.2
Calcium		39300		119	237
Chromium		14.7		1.1	1.2
Cobalt		4.0		1.2	2.4
Copper		26.1		1.3	2.4
Iron		13800		23.7	47.4
Lead		54.5		0.59	1.2
Magnesium		19200		119	237
Manganese		183		1.2	3.6
Nickel		13.2		0.71	2.4
Potassium		1540		119	237
Selenium		1.3	U	1.3	2.4
Silver		0.74	J	0.47	1.2
Sodium		316		154	237
Thallium		0.71	J	0.71	2.4
Vanadium		23.0		2.4	11.9
Zinc		69.5		5.9	11.9
Sulfur		1370		30.8	59.3

6010C Metals (ICP)-TCLP

Analysis Method: 6010C

Analysis Batch: 460-418133

Instrument ID: ICP5

Prep Method: 3010A

Prep Batch: 460-418118

Lab File ID: 418120D1.asc

Dilution: 5.0

Leach Batch: 460-417769

Initial Weight/Volume: 50 mL

Analysis Date: 02/05/2017 1617

Final Weight/Volume: 50 mL

Prep Date: 02/04/2017 1945

Leach Date: 02/02/2017 1700

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		21.8	U	21.8	75.0
Barium		472	J	43.2	1000
Cadmium		9.2	U	9.2	20.0
Chromium		16.6	U	16.6	50.0
Copper		40.3	U	40.3	125
Lead		24.1	J	20.4	50.0
Nickel		45.1	U	45.1	200
Selenium		22.2	U	22.2	100
Silver		9.0	U	9.0	50.0
Zinc		331		45.0	150

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Date Sampled: 02/01/2017 1100

Client Matrix: Solid

Date Received: 02/01/2017 1600

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-418011	Instrument ID:	LEEMAN6
Prep Method:	7470A	Prep Batch:	460-417943	Lab File ID:	417936hg1.CSV
Dilution:	1.0	Leach Batch:	460-417769	Initial Weight/Volume:	30 mL
Analysis Date:	02/03/2017 1528			Final Weight/Volume:	30 mL
Prep Date:	02/03/2017 1125				
Leach Date:	02/02/2017 1700				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.17	U	0.17	0.20

7471B Mercury (CVAA)

Analysis Method:	7471B	Analysis Batch:	460-417711	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-417657	Lab File ID:	417656HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	02/02/2017 1003			Final Weight/Volume:	50 mL
Prep Date:	02/02/2017 0517				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.36		0.012	0.019

Analytical Data

Client: AKRF Inc

Job Number: 460-127729-1

General Chemistry

Client Sample ID: CE-WC-1

Lab Sample ID: 460-127729-1

Client Matrix: Solid

% Moisture: 15.0

Date Sampled: 02/01/2017 1100

Date Received: 02/01/2017 1600

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.46	U	mg/Kg	0.46	2.4	1.0	7196A
	Analysis Batch: 460-418276	Analysis Date: 02/06/2017 1425					DryWt Corrected: Y
	Prep Batch: 460-418195	Prep Date: 02/06/2017 0630					
Cr (VI)	0.46	U	mg/Kg	0.46	2.4	1.0	7196A
	Analysis Batch: 460-418449	Analysis Date: 02/07/2017 1355					DryWt Corrected: Y
	Prep Batch: 460-418402	Prep Date: 02/07/2017 0900					
Cyanide, Total	0.13		mg/Kg	0.030	0.11	1.0	9012B
	Analysis Batch: 460-418014	Analysis Date: 02/03/2017 1146					DryWt Corrected: Y
	Prep Batch: 460-417787	Prep Date: 02/02/2017 1601					
Analyte	Result	Qual	Units			Dil	Method
pH	9.3	HF	SU			1.0	9045D
	Analysis Batch: 460-417995	Analysis Date: 02/03/2017 1430					DryWt Corrected: N
Corrosivity	9.3	HF	SU			1.0	9045D
	Analysis Batch: 460-417995	Analysis Date: 02/03/2017 1430					DryWt Corrected: N
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
	Analysis Batch: 460-418015	Analysis Date: 02/03/2017 1130					DryWt Corrected: N
Cr (III)	14.7		mg/Kg	2.0	2.0	1.0	7196A
	Analysis Batch: 460-418471	Analysis Date: 02/07/2017 1620					DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
	Analysis Batch: 460-418287	Analysis Date: 02/06/2017 1624					DryWt Corrected: N
	Prep Batch: 460-418285	Prep Date: 02/06/2017 1100					
Sulfide, Reactive	20.0	U	mg/Kg	20.0	20.0	1.0	9034
	Analysis Batch: 460-418286	Analysis Date: 02/06/2017 1619					DryWt Corrected: N
	Prep Batch: 460-418283	Prep Date: 02/06/2017 1100					
Free Liquid	0.500	U	mL/100g	0.500	0.500	1.0	9095B
	Analysis Batch: 460-418281	Analysis Date: 02/06/2017 1100					DryWt Corrected: N
Percent Moisture	15.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-417716	Analysis Date: 02/02/2017 1110					DryWt Corrected: N
Percent Solids	85.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-417716	Analysis Date: 02/02/2017 1110					DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: AKRF Inc

Job Number: 460-127729-1

Lab Section	Qualifier	Description
GC/MS VOA	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	B	The analyte was found in an associated blank, as well as in the sample.
GC/MS Semi VOA	U	Analyzed for but not detected.
	E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
	*	Duplicate RPD exceeds control limits
	J	Indicates an estimated value.
	*	MS or MSD is outside acceptance limits.
	*	Surrogate is outside acceptance limits.
	A	The tentatively identified compound is a suspected aldol-condensation product.
	N	This flag indicates the presumptive evidence of a compound.
GC VOA		
	U	Analyzed for but not detected.
GC Semi VOA		
	U	Analyzed for but not detected.
	E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
	*	Duplicate RPD exceeds control limits
	J	Indicates an estimated value.
	*	MS or MSD is outside acceptance limits.
	*	Surrogate is outside acceptance limits.
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

DATA REPORTING QUALIFIERS

Client: AKRF Inc

Job Number: 460-127729-1

Lab Section	Qualifier	Description
Metals	U	Indicates analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	J	Sample result is greater than the MDL but below the CRDL
	N	Spiked sample recovery is not within control limits.
General Chemistry	HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL
	N	Spiked sample recovery is not within control limits.

QUALITY CONTROL RESULTS

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-417672					
LB3 460-417672/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	5035	
460-127729-1	CE-WC-1	T	Solid	5035	
Analysis Batch:460-417855					
LCS 460-417855/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-417855/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-417855/7	Method Blank	T	Solid	8260C	
LB3 460-417672/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	8260C	460-417672
Analysis Batch:460-418049					
LCS 460-418049/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-418049/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-418049/6	Method Blank	T	Solid	8260C	
460-127729-1	CE-WC-1	T	Solid	8260C	460-417672
Report Basis					
T = Total					
GC/MS Semi VOA					
Prep Batch: 460-418240					
LCS 460-418240/2-A	Lab Control Sample	T	Solid	3546	
LCS 460-418240/3-A	Lab Control Sample	T	Solid	3546	
MB 460-418240/1-A	Method Blank	T	Solid	3546	
460-127688-H-11-E MS	Matrix Spike	T	Solid	3546	
460-127688-H-11-F MSD	Matrix Spike Duplicate	T	Solid	3546	
460-127729-1	CE-WC-1	T	Solid	3546	
Analysis Batch:460-418328					
LCS 460-418240/2-A	Lab Control Sample	T	Solid	8270D	460-418240
LCS 460-418240/3-A	Lab Control Sample	T	Solid	8270D	460-418240
MB 460-418240/1-A	Method Blank	T	Solid	8270D	460-418240
Analysis Batch:460-418440					
460-127729-1	CE-WC-1	T	Solid	8270D	460-418240
Analysis Batch:460-418529					
460-127688-H-11-E MS	Matrix Spike	T	Solid	8270D	460-418240
460-127688-H-11-F MSD	Matrix Spike Duplicate	T	Solid	8270D	460-418240

Report Basis

T = Total

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Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 460-417677					
460-127729-1	CE-WC-1	T	Solid	5035	
Analysis Batch:460-417999					
LCS 460-417999/2	Lab Control Sample	T	Solid	8015D	
LCSD 460-417999/3	Lab Control Sample Duplicate	T	Solid	8015D	
MB 460-417999/4	Method Blank	T	Solid	8015D	
460-127729-1	CE-WC-1	T	Solid	8015D	460-417677

Report Basis

T = Total

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-417745					
LCS 460-417745/2-A	Lab Control Sample	T	Solid	3546	
MB 460-417745/1-A	Method Blank	T	Solid	3546	
460-127729-1DL	CE-WC-1	T	Solid	3546	
460-127729-1MSDL	Matrix Spike	T	Solid	3546	
460-127729-1MSDDL	Matrix Spike Duplicate	T	Solid	3546	
Prep Batch: 460-417826					
LCS 460-417826/2-A	Lab Control Sample	T	Solid	3546	
MB 460-417826/1-A	Method Blank	T	Solid	3546	
460-127507-E-1-D MS	Matrix Spike	T	Solid	3546	
460-127507-E-1-E MSD	Matrix Spike Duplicate	T	Solid	3546	
460-127729-1	CE-WC-1	T	Solid	3546	
Prep Batch: 460-417830					
LCS 460-417830/2-A	Lab Control Sample	T	Solid	3546	
MB 460-417830/1-A	Method Blank	T	Solid	3546	
460-127507-E-1-G MS	Matrix Spike	T	Solid	3546	
460-127507-E-1-H MSD	Matrix Spike Duplicate	T	Solid	3546	
460-127729-1	CE-WC-1	T	Solid	3546	
Analysis Batch:460-417928					
LCS 460-417745/2-A	Lab Control Sample	T	Solid	8015D	460-417745
MB 460-417745/1-A	Method Blank	T	Solid	8015D	460-417745
460-127729-1DL	CE-WC-1	T	Solid	8015D	460-417745
460-127729-1MSDL	Matrix Spike	T	Solid	8015D	460-417745
460-127729-1MSDDL	Matrix Spike Duplicate	T	Solid	8015D	460-417745
Analysis Batch:460-417932					
460-127729-1	CE-WC-1	T	Solid	8081B	460-417830
Analysis Batch:460-417975					
LCS 460-417826/2-A	Lab Control Sample	T	Solid	8082A	460-417826
MB 460-417826/1-A	Method Blank	T	Solid	8082A	460-417826
460-127507-E-1-D MS	Matrix Spike	T	Solid	8082A	460-417826
460-127507-E-1-E MSD	Matrix Spike Duplicate	T	Solid	8082A	460-417826
460-127729-1	CE-WC-1	T	Solid	8082A	460-417826
Analysis Batch:460-418193					
LCS 460-417830/2-A	Lab Control Sample	T	Solid	8081B	460-417830
MB 460-417830/1-A	Method Blank	T	Solid	8081B	460-417830
460-127507-E-1-G MS	Matrix Spike	T	Solid	8081B	460-417830
460-127507-E-1-H MSD	Matrix Spike Duplicate	T	Solid	8081B	460-417830

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Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-418217					
LCS 460-418217/2-A	Lab Control Sample	T	Solid	3546	
LCSD 460-418217/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 460-418217/1-A	Method Blank	T	Solid	3546	
460-127703-A-1-A MS	Matrix Spike	T	Solid	3546	
460-127703-A-1-B MSD	Matrix Spike Duplicate	T	Solid	3546	
460-127729-1	CE-WC-1	T	Solid	3546	
Prep Batch: 460-418320					
LCS 460-418320/2-A	Lab Control Sample	T	Solid	8151A	
MB 460-418320/1-A	Method Blank	T	Solid	8151A	
460-127729-1	CE-WC-1	T	Solid	8151A	
460-127892-H-1-A MS	Matrix Spike	T	Solid	8151A	
460-127892-H-1-B MSD	Matrix Spike Duplicate	T	Solid	8151A	
Analysis Batch:460-418431					
LCS 460-418320/2-A	Lab Control Sample	T	Solid	8151A	460-418320
MB 460-418320/1-A	Method Blank	T	Solid	8151A	460-418320
460-127729-1	CE-WC-1	T	Solid	8151A	460-418320
460-127892-H-1-A MS	Matrix Spike	T	Solid	8151A	460-418320
460-127892-H-1-B MSD	Matrix Spike Duplicate	T	Solid	8151A	460-418320
Analysis Batch:460-418589					
LCS 460-418217/2-A	Lab Control Sample	T	Solid	NJDEP EPH	460-418217
LCSD 460-418217/3-A	Lab Control Sample Duplicate	T	Solid	NJDEP EPH	460-418217
MB 460-418217/1-A	Method Blank	T	Solid	NJDEP EPH	460-418217
460-127703-A-1-A MS	Matrix Spike	T	Solid	NJDEP EPH	460-418217
460-127703-A-1-B MSD	Matrix Spike Duplicate	T	Solid	NJDEP EPH	460-418217
460-127729-1	CE-WC-1	T	Solid	NJDEP EPH	460-418217

Report Basis

T = Total

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 490-405840					
LCS 490-405840/2-A	Lab Control Sample	T	Solid	3051A	
MB 490-405840/1-A	Method Blank	T	Solid	3051A	
460-127729-1	CE-WC-1	T	Solid	3051A	
460-127785-D-2-B MS	Matrix Spike	T	Solid	3051A	
460-127785-D-2-C MSD	Matrix Spike Duplicate	T	Solid	3051A	
Analysis Batch:490-406088					
LCS 490-405840/2-A	Lab Control Sample	T	Solid	6010C	490-405840
MB 490-405840/1-A	Method Blank	T	Solid	6010C	490-405840
460-127729-1	CE-WC-1	T	Solid	6010C	490-405840
460-127785-D-2-B MS	Matrix Spike	T	Solid	6010C	490-405840
460-127785-D-2-C MSD	Matrix Spike Duplicate	T	Solid	6010C	490-405840
Prep Batch: 460-417657					
LCSSRM 460-417657/2-A ^20LCS-Certified Reference Material		T	Solid	7471B	
MB 460-417657/1-A	Method Blank	T	Solid	7471B	
460-127719-D-3-B DU	Duplicate	T	Solid	7471B	
460-127719-D-3-C MS	Matrix Spike	T	Solid	7471B	
460-127729-1	CE-WC-1	T	Solid	7471B	
Analysis Batch:460-417711					
LCSSRM 460-417657/2-A ^20LCS-Certified Reference Material		T	Solid	7471B	460-417657
MB 460-417657/1-A	Method Blank	T	Solid	7471B	460-417657
460-127719-D-3-B DU	Duplicate	T	Solid	7471B	460-417657
460-127719-D-3-C MS	Matrix Spike	T	Solid	7471B	460-417657
460-127729-1	CE-WC-1	T	Solid	7471B	460-417657
Prep Batch: 460-417769					
LB 460-417769/1-C	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 460-417769/1-F ^5	TCLP SPLPE Leachate Blank	P	Solid	1311	
460-127673-B-1-I DU	Duplicate	P	Solid	1311	
460-127673-B-1-J MS	Matrix Spike	P	Solid	1311	
460-127729-1	CE-WC-1	P	Solid	1311	
Prep Batch: 460-417943					
LCS 460-417943/2-A	Lab Control Sample	T	Water	7470A	
MB 460-417943/1-A	Method Blank	T	Water	7470A	
LB 460-417769/1-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	460-417769
460-127673-B-1-I DU	Duplicate	P	Solid	7470A	460-417769
460-127673-B-1-J MS	Matrix Spike	P	Solid	7470A	460-417769
460-127729-1	CE-WC-1	P	Solid	7470A	460-417769

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Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-417972					
LB 460-417972/1-D ^5	TCLP SPLPE Leachate Blank	P	Solid	1311	
460-127756-C-8-H DU	Duplicate	P	Solid	1311	
460-127756-C-8-I MS	Matrix Spike	P	Solid	1311	
Analysis Batch:460-418011					
LB 460-417769/1-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	460-417943
LCS 460-417943/2-A	Lab Control Sample	T	Water	7470A	460-417943
MB 460-417943/1-A	Method Blank	T	Water	7470A	460-417943
460-127673-B-1-I DU	Duplicate	P	Solid	7470A	460-417943
460-127673-B-1-J MS	Matrix Spike	P	Solid	7470A	460-417943
460-127729-1	CE-WC-1	P	Solid	7470A	460-417943
Prep Batch: 460-418118					
LCS 460-418118/2-A ^2	Lab Control Sample	T	Water	3010A	
MB 460-418118/1-A	Method Blank	T	Water	3010A	
LB 460-417769/1-F ^5	TCLP SPLPE Leachate Blank	P	Solid	3010A	460-417769
LB 460-417972/1-D ^5	TCLP SPLPE Leachate Blank	P	Solid	3010A	460-417972
460-127729-1	CE-WC-1	P	Solid	3010A	460-417769
460-127756-C-8-H DU	Duplicate	P	Solid	3010A	460-417972
460-127756-C-8-I MS	Matrix Spike	P	Solid	3010A	460-417972
Analysis Batch:460-418133					
LB 460-417769/1-F ^5	TCLP SPLPE Leachate Blank	P	Solid	6010C	460-418118
LB 460-417972/1-D ^5	TCLP SPLPE Leachate Blank	P	Solid	6010C	460-418118
LCS 460-418118/2-A ^2	Lab Control Sample	T	Water	6010C	460-418118
MB 460-418118/1-A	Method Blank	T	Water	6010C	460-418118
460-127729-1	CE-WC-1	P	Solid	6010C	460-418118
460-127756-C-8-H DU	Duplicate	P	Solid	6010C	460-418118
460-127756-C-8-I MS	Matrix Spike	P	Solid	6010C	460-418118

Report Basis

P = TCLP

T = Total

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-417716					
460-127677-B-1 DU	Duplicate	T	Solid	Moisture	
460-127729-1	CE-WC-1	T	Solid	Moisture	
Prep Batch: 460-417787					
HLCS 460-417787/3-A	High Level Control Sample	T	Solid	9012B	
LCSSRM 460-417787/4-A ^10	LCS-Certified Reference Material	T	Solid	9012B	
LLCS 460-417787/2-A	Low Level Control Sample	T	Solid	9012B	
MB 460-417787/1-A	Method Blank	T	Solid	9012B	
460-127507-E-1-B MS	Matrix Spike	T	Solid	9012B	
460-127507-E-1-C MSD	Matrix Spike Duplicate	T	Solid	9012B	
460-127729-1	CE-WC-1	T	Solid	9012B	
Analysis Batch:460-417995					
LCSSRM 460-417995/3	LCS-Certified Reference Material	T	Solid	9045D	
MB 460-417995/2	Method Blank	T	Solid	9045D	
460-127317-K-1 DU	Duplicate	T	Solid	9045D	
460-127729-1	CE-WC-1	T	Solid	9045D	
Analysis Batch:460-418014					
HLCS 460-417787/3-A	High Level Control Sample	T	Solid	9012B	460-417787
LCSSRM 460-417787/4-A ^10	LCS-Certified Reference Material	T	Solid	9012B	460-417787
LLCS 460-417787/2-A	Low Level Control Sample	T	Solid	9012B	460-417787
MB 460-417787/1-A	Method Blank	T	Solid	9012B	460-417787
460-127507-E-1-B MS	Matrix Spike	T	Solid	9012B	460-417787
460-127507-E-1-C MSD	Matrix Spike Duplicate	T	Solid	9012B	460-417787
460-127729-1	CE-WC-1	T	Solid	9012B	460-417787
Analysis Batch:460-418015					
460-127380-C-1 DU	Duplicate	T	Solid	1030	
460-127729-1	CE-WC-1	T	Solid	1030	
Prep Batch: 460-418195					
LCSI 460-418195/3-A	Lab Control Sample Insoluble	T	Solid	3060A	
LCSSRM 460-418195/2-A	LCS-Certified Reference Material	T	Solid	3060A	
MB 460-418195/1-A	Method Blank	T	Solid	3060A	
460-127729-1	CE-WC-1	T	Solid	3060A	
460-127753-A-1-B DU	Duplicate	T	Solid	3060A	
460-127753-A-1-D MSI	Matrix Spike Insoluble	T	Solid	3060A	
460-127753-A-1-C MSS	Matrix Spike Soluble	T	Solid	3060A	

TestAmerica Edison

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-418276					
LCSI 460-418195/3-A	Lab Control Sample Insoluble	T	Solid	7196A	460-418195
LCSSRM 460-418195/2-A	LCS-Certified Reference Material	T	Solid	7196A	460-418195
MB 460-418195/1-A	Method Blank	T	Solid	7196A	460-418195
460-127729-1	CE-WC-1	T	Solid	7196A	460-418195
460-127753-A-1-B DU	Duplicate	T	Solid	7196A	460-418195
460-127753-A-1-D MSI	Matrix Spike Insoluble	T	Solid	7196A	460-418195
460-127753-A-1-C MSS	Matrix Spike Soluble	T	Solid	7196A	460-418195
Analysis Batch:460-418281					
460-127663-C-1 DU	Duplicate	T	Solid	9095B	
460-127729-1	CE-WC-1	T	Solid	9095B	
Prep Batch: 460-418283					
LCSSRM 460-418283/3-A	LCS-Certified Reference Material	T	Solid	7.3.4	
MB 460-418283/1-A	Method Blank	T	Solid	7.3.4	
180-63078-I-1-B MS	Matrix Spike	T	Solid	7.3.4	
180-63078-I-1-C MSD	Matrix Spike Duplicate	T	Solid	7.3.4	
460-127729-1	CE-WC-1	T	Solid	7.3.4	
Prep Batch: 460-418285					
LCS 460-418285/2-A	Lab Control Sample	T	Solid	7.3.3	
MB 460-418285/1-A	Method Blank	T	Solid	7.3.3	
460-127541-A-1-Z DU	Duplicate	T	Solid	7.3.3	
460-127729-1	CE-WC-1	T	Solid	7.3.3	
Analysis Batch:460-418286					
LCSSRM 460-418283/3-A	LCS-Certified Reference Material	T	Solid	9034	460-418283
MB 460-418283/1-A	Method Blank	T	Solid	9034	460-418283
180-63078-I-1-B MS	Matrix Spike	T	Solid	9034	460-418283
180-63078-I-1-C MSD	Matrix Spike Duplicate	T	Solid	9034	460-418283
460-127729-1	CE-WC-1	T	Solid	9034	460-418283
Analysis Batch:460-418287					
LCS 460-418285/2-A	Lab Control Sample	T	Solid	9014	460-418285
MB 460-418285/1-A	Method Blank	T	Solid	9014	460-418285
460-127541-A-1-Z DU	Duplicate	T	Solid	9014	460-418285
460-127729-1	CE-WC-1	T	Solid	9014	460-418285

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 460-418402					
LCSI 460-418402/3-A	Lab Control Sample Insoluble	T	Solid	3060A	
LCSSRM 460-418402/2-A	LCS-Certified Reference Material	T	Solid	3060A	
MB 460-418402/1-A	Method Blank	T	Solid	3060A	
460-127729-1	CE-WC-1	T	Solid	3060A	
460-127753-A-1-F DU	Duplicate	T	Solid	3060A	
460-127753-A-1-H MSI	Matrix Spike Insoluble	T	Solid	3060A	
460-127753-A-1-G MSS	Matrix Spike Soluble	T	Solid	3060A	
Analysis Batch:460-418449					
LCSI 460-418402/3-A	Lab Control Sample Insoluble	T	Solid	7196A	460-418402
LCSSRM 460-418402/2-A	LCS-Certified Reference Material	T	Solid	7196A	460-418402
MB 460-418402/1-A	Method Blank	T	Solid	7196A	460-418402
460-127729-1	CE-WC-1	T	Solid	7196A	460-418402
460-127753-A-1-F DU	Duplicate	T	Solid	7196A	460-418402
460-127753-A-1-H MSI	Matrix Spike Insoluble	T	Solid	7196A	460-418402
460-127753-A-1-G MSS	Matrix Spike Soluble	T	Solid	7196A	460-418402
Analysis Batch:460-418471					
460-127729-1	CE-WC-1	T	Solid	7196A	

Report Basis

T = Total

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
460-127729-1	CE-WC-1	100	104	108	98
MB 460-417855/7		100	107	100	107
MB 460-418049/6		102	105	110	107
LB3 460-417672/1-A		100	103	99	105
LCS 460-417855/3		98	102	96	105
LCS 460-418049/3		97	100	105	98
LCSD 460-417855/4		100	104	98	109
LCSD 460-418049/4		100	106	108	99

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	78-135
BFB = 4-Bromofluorobenzene	67-126
DBFM = Dibromofluoromethane (Surr)	61-149
TOL = Toluene-d8 (Surr)	73-121

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPHL %Rec
460-127729-1	CE-WC-1	44	80	66	74	64	66
MB 460-418240/1-A		70	89	66	84	70	96
LCS 460-418240/2-A		132*	88	74	88	85	103
LCS 460-418240/3-A		167*	113*	98*	116*	107*	127*
460-127688-H-11-E MS		75	109*	53	85	57	69
460-127688-H-11-F MSD		81	109*	51	82	54	65

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	10-103
FBP = 2-Fluorobiphenyl	38-95
2FP = 2-Fluorophenol (Surr)	25-92
NBZ = Nitrobenzene-d5 (Surr)	37-94
PHL = Phenol-d5 (Surr)	32-91
TPHL = Terphenyl-d14 (Surr)	24-109

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Surrogate Recovery Report

8015D Gasoline Range Organics (GRO) (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TFT1 %Rec
460-127729-1	CE-WC-1	93
MB 460-417999/4		92
LCS 460-417999/2		91
LCSD 460-417999/3		92

Surrogate

Acceptance Limits

TFT = a,a,a-Trifluorotoluene

80-135

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Surrogate Recovery Report

8015D Diesel Range Organics (DRO) (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	OTPH %Rec
460-127729-1 DL	CE-WC-1 DL	85
MB 460-417745/1-A		81
LCS 460-417745/2-A		90
460-127729-1 MS DL	CE-WC-1 MS DL	101
460-127729-1 MSD DL	CE-WC-1 MSD DL	109

Surrogate

OTPH = o-Terphenyl

Acceptance Limits

25-132

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCBP1 %Rec	DCBP2 %Rec	TCX1 %Rec	TCX2 %Rec
460-127729-1	CE-WC-1	127	128	136	124
MB 460-417830/1-A		119	111	127	122
LCS 460-417830/2-A		133	120	144	134
460-127507-E-1-G MS		2* p	142	2* p	125
460-127507-E-1-H MSD		122	117	135	132

Surrogate	Acceptance Limits
DCBP = DCB Decachlorobiphenyl	50-150
TCX = Tetrachloro-m-xylene	47-150

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCBP1 %Rec	DCBP2 %Rec
460-127729-1	CE-WC-1	139	143
MB 460-417826/1-A		139	134
LCS 460-417826/2-A		141	139
460-127507-E-1-D MS		170*	166*
460-127507-E-1-E MSD		141	144

Surrogate

Acceptance Limits

DCBP = DCB Decachlorobiphenyl

35-150

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Surrogate Recovery Report

8151A Herbicides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCPAA1	DCPAA2
		%Rec	%Rec
460-127729-1	CE-WC-1	139	116
MB 460-418320/1-A		130	117
LCS 460-418320/2-A		118	124
460-127892-H-1-A		116	126
MS			
460-127892-H-1-B		114	124
MSD			

Surrogate

Acceptance Limits

DCPAA = 2,4-Dichlorophenylacetic acid

80-141

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Surrogate Recovery Report

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Client Matrix: Solid

Lab Sample ID	Client Sample ID	OTPH1 %Rec	1COD1 %Rec
460-127729-1	CE-WC-1	71	71
MB 460-418217/1-A		100	101
LCS 460-418217/2-A		81	115
LCSD 460-418217/3-A		79	114
460-127703-A-1-A		80	84
MS 460-127703-A-1-B		79	82
MSD			

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	40-140
1COD = 1-Chlorooctadecane	40-140

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Neutral Leach or MeOH Extraction Blank - Batch: 460-417672

Method: 8260C

Preparation: 5035

Lab Sample ID: LB3 460-417672/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/03/2017 0320
Prep Date: 02/02/2017 0708
Leach Date: N/A

Analysis Batch: 460-417855
Prep Batch: 460-417672
Leach Batch: N/A
Units: ug/Kg

Instrument ID: CVOAMS9
Lab File ID: K63735.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.38	U	0.38	1.0
1,1,2,2-Tetrachloroethane	0.17	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.44	U	0.44	1.0
1,1,2-Trichloroethane	0.28	U	0.28	1.0
1,1-Dichloroethane	0.34	U	0.34	1.0
1,1-Dichloroethene	0.41	U	0.41	1.0
1,2,3-Trichlorobenzene	0.11	U	0.11	1.0
1,2,4-Trichlorobenzene	0.32	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
1,2-Dichlorobenzene	0.14	U	0.14	1.0
1,2-Dichloroethane	0.11	U	0.11	1.0
1,2-Dichloropropane	0.17	U	0.17	1.0
1,3-Dichlorobenzene	0.12	U	0.12	1.0
1,4-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dioxane	6.4	U	6.4	20
2-Butanone (MEK)	0.77	U	0.77	5.0
2-Hexanone	0.94	U	0.94	5.0
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	5.0
Acetone	1.1	U	1.1	5.0
Acetonitrile	4.1	U	4.1	10
Acrolein	16	U	16	100
Benzene	0.20	U	0.20	1.0
Bromoform	0.13	U	0.13	1.0
Bromomethane	0.32	U	0.32	1.0
Carbon disulfide	0.43	U	0.43	1.0
Carbon tetrachloride	0.43	U	0.43	1.0
Chlorobenzene	0.14	U	0.14	1.0
Chlorobromomethane	0.17	U	0.17	1.0
Chlorodibromomethane	0.15	U	0.15	1.0
Chloroethane	0.35	U	0.35	1.0
Chloroform	0.21	U	0.21	1.0
Chloromethane	0.38	U	0.38	1.0
cis-1,2-Dichloroethene	0.22	U	0.22	1.0
cis-1,3-Dichloropropene	0.15	U	0.15	1.0
Cyclohexane	0.46	U	0.46	1.0
Dichlorobromomethane	0.38	U	0.38	1.0
Dichlorodifluoromethane	0.32	U	0.32	1.0
Ethylbenzene	0.18	U	0.18	1.0
Ethylene Dibromide	0.12	U	0.12	1.0
Isopropylbenzene	0.17	U	0.17	1.0
Methyl acetate	0.90	U	0.90	5.0
Methyl tert-butyl ether	0.17	U	0.17	1.0
Methylcyclohexane	0.50	U	0.50	1.0
Methylene Chloride	0.32	U	0.32	1.0
m-Xylene & p-Xylene	0.11	U	0.11	1.0

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Neutral Leach or MeOH Extraction Blank - Batch: 460-417672

Method: 8260C
Preparation: 5035

Lab Sample ID:	LB3 460-417672/1-A	Analysis Batch:	460-417855	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	460-417672	Lab File ID:	K63735.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	02/03/2017 0320	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	02/02/2017 0708				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
o-Xylene	0.16	U	0.16	1.0
Styrene	0.15	U	0.15	1.0
TBA	3.5	U	3.5	10
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.19	U	0.19	1.0
trans-1,2-Dichloroethene	0.39	U	0.39	1.0
trans-1,3-Dichloropropene	0.10	U	0.10	1.0
Trichloroethene	0.26	U	0.26	1.0
Trichlorofluoromethane	0.34	U	0.34	1.0
Vinyl chloride	0.39	U	0.39	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	78 - 135
4-Bromofluorobenzene	103	67 - 126
Dibromofluoromethane (Surr)	99	61 - 149
Toluene-d8 (Surr)	105	73 - 121

Method Blank TICs- Batch: 460-417672

Cas Number	Analyte	RT	Est. Result (ug)	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-417855

Method: 8260C Preparation: N/A

Lab Sample ID: MB 460-417855/7
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/03/2017 0254
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 460-417855
Prep Batch: N/A
Leach Batch: N/A
Units: ug/Kg

Instrument ID: CVOAMS9
Lab File ID: K63734.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.38	U	0.38	1.0
1,1,2,2-Tetrachloroethane	0.17	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.44	U	0.44	1.0
1,1,2-Trichloroethane	0.28	U	0.28	1.0
1,1-Dichloroethane	0.34	U	0.34	1.0
1,1-Dichloroethene	0.41	U	0.41	1.0
1,2,3-Trichlorobenzene	0.11	U	0.11	1.0
1,2,4-Trichlorobenzene	0.32	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
1,2-Dichlorobenzene	0.14	U	0.14	1.0
1,2-Dichloroethane	0.11	U	0.11	1.0
1,2-Dichloropropane	0.17	U	0.17	1.0
1,3-Dichlorobenzene	0.12	U	0.12	1.0
1,4-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dioxane	6.4	U	6.4	20
2-Butanone (MEK)	0.77	U	0.77	5.0
2-Hexanone	0.94	U	0.94	5.0
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	5.0
Acetone	2.10	J	1.1	5.0
Acetonitrile	4.1	U	4.1	10
Acrolein	16	U	16	100
Benzene	0.20	U	0.20	1.0
Bromoform	0.13	U	0.13	1.0
Bromomethane	0.32	U	0.32	1.0
Carbon disulfide	0.43	U	0.43	1.0
Carbon tetrachloride	0.43	U	0.43	1.0
Chlorobenzene	0.14	U	0.14	1.0
Chlorobromomethane	0.17	U	0.17	1.0
Chlorodibromomethane	0.15	U	0.15	1.0
Chloroethane	0.35	U	0.35	1.0
Chloroform	0.21	U	0.21	1.0
Chloromethane	0.38	U	0.38	1.0
cis-1,2-Dichloroethene	0.22	U	0.22	1.0
cis-1,3-Dichloropropene	0.15	U	0.15	1.0
Cyclohexane	0.46	U	0.46	1.0
Dichlorobromomethane	0.38	U	0.38	1.0
Dichlorodifluoromethane	0.32	U	0.32	1.0
Ethylbenzene	0.18	U	0.18	1.0
Ethylene Dibromide	0.12	U	0.12	1.0
Isopropylbenzene	0.17	U	0.17	1.0
Methyl acetate	0.90	U	0.90	5.0
Methyl tert-butyl ether	0.17	U	0.17	1.0
Methylcyclohexane	0.50	U	0.50	1.0
Methylene Chloride	0.32	U	0.32	1.0
m-Xylene & p-Xylene	0.11	U	0.11	1.0

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-417855

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-417855/7	Analysis Batch:	460-417855	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K63734.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/03/2017 0254	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
o-Xylene	0.16	U	0.16	1.0
Styrene	0.15	U	0.15	1.0
TBA	3.5	U	3.5	10
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.19	U	0.19	1.0
trans-1,2-Dichloroethene	0.39	U	0.39	1.0
trans-1,3-Dichloropropene	0.10	U	0.10	1.0
Trichloroethene	0.26	U	0.26	1.0
Trichlorofluoromethane	0.34	U	0.34	1.0
Vinyl chloride	0.39	U	0.39	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	78 - 135
4-Bromofluorobenzene	107	67 - 126
Dibromofluoromethane (Surr)	100	61 - 149
Toluene-d8 (Surr)	107	73 - 121

Method Blank TICs- Batch: 460-417855

Cas Number	Analyte	RT	Est. Result (ug)	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-417855

Method: 8260C

Preparation: N/A

LCS Lab Sample ID: LCS 460-417855/3	Analysis Batch: 460-417855	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K63730.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 02/03/2017 0101	Units: ug/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-417855/4	Analysis Batch: 460-417855	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K63731.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 02/03/2017 0127	Units: ug/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1-Trichloroethane	96	93	80 - 125	3	30		
1,1,2,2-Tetrachloroethane	101	101	72 - 131	0	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	97	94	78 - 132	3	30		
1,1,2-Trichloroethane	103	103	76 - 124	0	30		
1,1-Dichloroethane	96	93	80 - 124	3	30		
1,1-Dichloroethene	96	95	79 - 132	1	30		
1,2,3-Trichlorobenzene	101	97	75 - 123	3	30		
1,2,4-Trichlorobenzene	101	96	74 - 124	5	30		
1,2-Dibromo-3-Chloropropane	109	106	65 - 129	3	30		
1,2-Dichlorobenzene	101	97	80 - 121	5	30		
1,2-Dichloroethane	97	95	68 - 120	1	30		
1,2-Dichloropropane	97	94	77 - 124	3	30		
1,3-Dichlorobenzene	102	97	79 - 124	6	30		
1,4-Dichlorobenzene	101	96	79 - 121	5	30		
1,4-Dioxane	107	98	67 - 150	9	30		
2-Butanone (MEK)	81	79	61 - 140	3	30		
2-Hexanone	90	87	78 - 120	3	30		
4-Methyl-2-pentanone (MIBK)	95	93	80 - 120	3	30		
Acetone	86	86	75 - 120	1	30		
Acetonitrile	120	100	60 - 137	19	30		
Acrolein	106	96	11 - 143	10	30		
Benzene	106	106	75 - 127	0	30		
Bromoform	101	101	19 - 150	0	30		
Bromomethane	92	95	59 - 136	2	30		
Carbon disulfide	97	93	74 - 130	4	30		
Carbon tetrachloride	100	96	77 - 138	4	30		
Chlorobenzene	102	99	80 - 120	3	30		
Chlorobromomethane	91	91	80 - 125	0	30		
Chlorodibromomethane	98	98	67 - 143	0	30		
Chloroethane	97	102	50 - 139	5	30		
Chloroform	96	94	80 - 122	2	30		
Chloromethane	97	101	66 - 128	4	30		
cis-1,2-Dichloroethene	91	89	80 - 123	2	30		
cis-1,3-Dichloropropene	102	99	75 - 124	3	30		
Cyclohexane	103	99	67 - 135	4	30		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-417855

Method: 8260C

Preparation: N/A

LCS Lab Sample ID: LCS 460-417855/3	Analysis Batch: 460-417855	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K63730.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 02/03/2017 0101	Units: ug/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-417855/4	Analysis Batch: 460-417855	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K63731.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 02/03/2017 0127	Units: ug/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Dichlorobromomethane	95	91	76 - 129	4	30		
Dichlorodifluoromethane	92	98	72 - 127	6	30		
Ethylbenzene	104	101	79 - 124	3	30		
Ethylene Dibromide	98	98	80 - 122	0	30		
Isopropylbenzene	108	105	80 - 125	3	30		
Methyl acetate	97	99	73 - 123	2	30		
Methyl tert-butyl ether	90	88	80 - 120	2	30		
Methylcyclohexane	97	95	71 - 137	2	30		
Methylene Chloride	90	88	79 - 128	2	30		
m-Xylene & p-Xylene	106	101	79 - 121	4	30		
o-Xylene	103	103	79 - 123	0	30		
Styrene	102	99	78 - 123	3	30		
TBA	96	89	71 - 120	7	30		
Tetrachloroethene	101	100	73 - 130	2	30		
Toluene	104	102	75 - 122	2	30		
trans-1,2-Dichloroethene	95	92	80 - 129	4	30		
trans-1,3-Dichloropropene	104	101	72 - 121	3	30		
Trichloroethene	95	93	79 - 122	2	30		
Trichlorofluoromethane	99	102	68 - 136	3	30		
Vinyl chloride	101	103	70 - 134	2	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	100	78 - 135
4-Bromofluorobenzene	102	104	67 - 126
Dibromofluoromethane (Surr)	96	98	61 - 149
Toluene-d8 (Surr)	105	109	73 - 121

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-418049

Method: 8260C Preparation: N/A

Lab Sample ID: MB 460-418049/6
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/04/2017 0732
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 460-418049
Prep Batch: N/A
Leach Batch: N/A
Units: ug/Kg

Instrument ID: CVOAMS4
Lab File ID: D32150.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.38	U	0.38	1.0
1,1,2,2-Tetrachloroethane	0.17	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.44	U	0.44	1.0
1,1,2-Trichloroethane	0.28	U	0.28	1.0
1,1-Dichloroethane	0.34	U	0.34	1.0
1,1-Dichloroethene	0.41	U	0.41	1.0
1,2,3-Trichlorobenzene	0.11	U	0.11	1.0
1,2,4-Trichlorobenzene	0.32	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
1,2-Dichlorobenzene	0.14	U	0.14	1.0
1,2-Dichloroethane	0.11	U	0.11	1.0
1,2-Dichloropropane	0.17	U	0.17	1.0
1,3-Dichlorobenzene	0.12	U	0.12	1.0
1,4-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dioxane	6.4	U	6.4	20
2-Butanone (MEK)	0.77	U	0.77	5.0
2-Hexanone	0.94	U	0.94	5.0
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	5.0
Acetone	3.67	J	1.1	5.0
Acetonitrile	4.1	U	4.1	10
Acrolein	16	U	16	100
Benzene	0.20	U	0.20	1.0
Bromoform	0.13	U	0.13	1.0
Bromomethane	0.32	U	0.32	1.0
Carbon disulfide	0.43	U	0.43	1.0
Carbon tetrachloride	0.43	U	0.43	1.0
Chlorobenzene	0.14	U	0.14	1.0
Chlorobromomethane	0.17	U	0.17	1.0
Chlorodibromomethane	0.15	U	0.15	1.0
Chloroethane	0.35	U	0.35	1.0
Chloroform	0.21	U	0.21	1.0
Chloromethane	0.38	U	0.38	1.0
cis-1,2-Dichloroethene	0.22	U	0.22	1.0
cis-1,3-Dichloropropene	0.15	U	0.15	1.0
Cyclohexane	0.46	U	0.46	1.0
Dichlorobromomethane	0.38	U	0.38	1.0
Dichlorodifluoromethane	0.32	U	0.32	1.0
Ethylbenzene	0.18	U	0.18	1.0
Ethylene Dibromide	0.12	U	0.12	1.0
Isopropylbenzene	0.17	U	0.17	1.0
Methyl acetate	0.90	U	0.90	5.0
Methyl tert-butyl ether	0.17	U	0.17	1.0
Methylcyclohexane	0.50	U	0.50	1.0
Methylene Chloride	0.32	U	0.32	1.0
m-Xylene & p-Xylene	0.11	U	0.11	1.0

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-418049

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-418049/6	Analysis Batch:	460-418049	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D32150.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/04/2017 0732	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
o-Xylene	0.16	U	0.16	1.0
Styrene	0.15	U	0.15	1.0
TBA	3.5	U	3.5	10
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.19	U	0.19	1.0
trans-1,2-Dichloroethene	0.39	U	0.39	1.0
trans-1,3-Dichloropropene	0.10	U	0.10	1.0
Trichloroethene	0.26	U	0.26	1.0
Trichlorofluoromethane	0.34	U	0.34	1.0
Vinyl chloride	0.39	U	0.39	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	78 - 135
4-Bromofluorobenzene	105	67 - 126
Dibromofluoromethane (Surr)	110	61 - 149
Toluene-d8 (Surr)	107	73 - 121

Method Blank TICs- Batch: 460-418049

Cas Number	Analyte	RT	Est. Result (ug)	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-418049

Method: 8260C

Preparation: N/A

LCS Lab Sample ID: LCS 460-418049/3	Analysis Batch: 460-418049	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D32147.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 02/04/2017 0608	Units: ug/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-418049/4	Analysis Batch: 460-418049	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D32148.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 02/04/2017 0633	Units: ug/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1-Trichloroethane	108	115	80 - 125	6	30		
1,1,2,2-Tetrachloroethane	90	101	72 - 131	11	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	114	118	78 - 132	3	30		
1,1,2-Trichloroethane	98	103	76 - 124	4	30		
1,1-Dichloroethane	104	112	80 - 124	8	30		
1,1-Dichloroethene	110	118	79 - 132	7	30		
1,2,3-Trichlorobenzene	102	108	75 - 123	6	30		
1,2,4-Trichlorobenzene	101	110	74 - 124	8	30		
1,2-Dibromo-3-Chloropropane	98	106	65 - 129	8	30		
1,2-Dichlorobenzene	100	107	80 - 121	7	30		
1,2-Dichloroethane	102	110	68 - 120	8	30		
1,2-Dichloropropane	98	106	77 - 124	8	30		
1,3-Dichlorobenzene	100	110	79 - 124	9	30		
1,4-Dichlorobenzene	100	108	79 - 121	8	30		
1,4-Dioxane	92	91	67 - 150	1	30		
2-Butanone (MEK)	111	112	61 - 140	0	30		
2-Hexanone	108	115	78 - 120	6	30		
4-Methyl-2-pentanone (MIBK)	107	107	80 - 120	0	30		
Acetone	112	120	75 - 120	6	30		
Acetonitrile	83	83	60 - 137	1	30		
Acrolein	108	136	11 - 143	23	30		
Benzene	98	103	75 - 127	5	30		
Bromoform	102	109	19 - 150	7	30		
Bromomethane	101	101	59 - 136	0	30		
Carbon disulfide	99	106	74 - 130	7	30		
Carbon tetrachloride	109	115	77 - 138	5	30		
Chlorobenzene	100	107	80 - 120	7	30		
Chlorobromomethane	112	119	80 - 125	6	30		
Chlorodibromomethane	100	106	67 - 143	6	30		
Chloroethane	100	103	50 - 139	3	30		
Chloroform	104	113	80 - 122	7	30		
Chloromethane	91	92	66 - 128	1	30		
cis-1,2-Dichloroethene	107	114	80 - 123	6	30		
cis-1,3-Dichloropropene	96	102	75 - 124	6	30		
Cyclohexane	103	109	67 - 135	6	30		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-418049

Method: 8260C

Preparation: N/A

LCS Lab Sample ID: LCS 460-418049/3	Analysis Batch: 460-418049	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D32147.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 02/04/2017 0608	Units: ug/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-418049/4	Analysis Batch: 460-418049	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D32148.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 02/04/2017 0633	Units: ug/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Dichlorobromomethane	101	108	76 - 129	7	30		
Dichlorodifluoromethane	105	104	72 - 127	1	30		
Ethylbenzene	105	109	79 - 124	4	30		
Ethylene Dibromide	101	108	80 - 122	6	30		
Isopropylbenzene	102	109	80 - 125	7	30		
Methyl acetate	97	107	73 - 123	10	30		
Methyl tert-butyl ether	103	111	80 - 120	7	30		
Methylcyclohexane	106	113	71 - 137	6	30		
Methylene Chloride	103	108	79 - 128	5	30		
m-Xylene & p-Xylene	102	109	79 - 121	7	30		
o-Xylene	101	106	79 - 123	5	30		
Styrene	103	110	78 - 123	6	30		
TBA	103	100	71 - 120	3	30		
Tetrachloroethene	105	111	73 - 130	6	30		
Toluene	100	103	75 - 122	4	30		
trans-1,2-Dichloroethene	106	114	80 - 129	7	30		
trans-1,3-Dichloropropene	95	103	72 - 121	8	30		
Trichloroethene	106	113	79 - 122	6	30		
Trichlorofluoromethane	110	110	68 - 136	0	30		
Vinyl chloride	99	98	70 - 134	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	100	78 - 135
4-Bromofluorobenzene	100	106	67 - 126
Dibromofluoromethane (Surr)	105	108	61 - 149
Toluene-d8 (Surr)	98	99	73 - 121

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-418240

Method: 8270D Preparation: 3546

Lab Sample ID:	MB 460-418240/1-A	Analysis Batch:	460-418328	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-418240	Lab File ID:	x225539.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/07/2017 1220	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/06/2017 1207			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	28	U	28	330
1,2,4,5-Tetrachlorobenzene	25	U	25	330
2,2'-oxybis[1-chloropropane]	14	U	14	330
2,3,4,6-Tetrachlorophenol	31	U	31	330
2,4,5-Trichlorophenol	33	U	33	330
2,4,6-Trichlorophenol	9.4	U	9.4	130
2,4-Dichlorophenol	7.8	U	7.8	130
2,4-Dimethylphenol	73	U	73	330
2,4-Dinitrophenol	250	U	250	270
2,4-Dinitrotoluene	13	U	13	67
2,6-Dinitrotoluene	18	U	18	67
2-Chloronaphthalene	7.5	U	7.5	330
2-Chlorophenol	8.4	U	8.4	330
2-Methylnaphthalene	7.3	U	7.3	330
2-Methylphenol	14	U	14	330
2-Nitroaniline	11	U	11	330
2-Nitrophenol	11	U	11	330
3,3'-Dichlorobenzidine	37	U	37	130
3-Nitroaniline	9.8	U	9.8	330
4,6-Dinitro-2-methylphenol	88	U	88	270
4-Bromophenyl phenyl ether	10	U	10	330
4-Chloro-3-methylphenol	14	U	14	330
4-Chloroaniline	8.5	U	8.5	330
4-Chlorophenyl phenyl ether	9.9	U	9.9	330
4-Methylphenol	9.0	U	9.0	330
4-Nitroaniline	13	U	13	330
4-Nitrophenol	160	U	160	670
Acenaphthene	8.0	U	8.0	330
Acenaphthylene	8.5	U	8.5	330
Acetophenone	7.2	U	7.2	330
Anthracene	31	U	31	330
Atrazine	15	U	15	130
Benzaldehyde	25	U	25	330
Benzo[a]anthracene	28	U	28	33
Benzo[a]pyrene	10	U	10	33
Benzo[b]fluoranthene	13	U	13	33
Benzo[g,h,i]perylene	19	U	19	330
Benzo[k]fluoranthene	14	U	14	33
Bis(2-chloroethoxy)methane	10	U	10	330
Bis(2-chloroethyl)ether	7.8	U	7.8	33
Bis(2-ethylhexyl) phthalate	13	U	13	330
Butyl benzyl phthalate	10	U	10	330
Caprolactam	24	U	24	330
Carbazole	8.2	U	8.2	330
Chrysene	9.0	U	9.0	330

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-418240

Method: 8270D Preparation: 3546

Lab Sample ID:	MB 460-418240/1-A	Analysis Batch:	460-418328	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-418240	Lab File ID:	x225539.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/07/2017 1220	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/06/2017 1207			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	17	U	17	33
Dibenzofuran	10	U	10	330
Diethyl phthalate	9.4	U	9.4	330
Dimethyl phthalate	9.6	U	9.6	330
Di-n-butyl phthalate	9.9	U	9.9	330
Di-n-octyl phthalate	17	U	17	330
Fluoranthene	9.8	U	9.8	330
Fluorene	7.2	U	7.2	330
Hexachlorobenzene	13	U	13	33
Hexachlorobutadiene	9.3	U	9.3	67
Hexachlorocyclopentadiene	21	U	21	330
Hexachloroethane	12	U	12	33
Indeno[1,2,3-cd]pyrene	22	U	22	33
Isophorone	7.1	U	7.1	130
Naphthalene	8.4	U	8.4	330
Nitrobenzene	10	U	10	33
N-Nitrosodimethylamine	8.2	U	8.2	330
N-Nitrosodi-n-propylamine	11	U	11	33
N-Nitrosodiphenylamine	30	U	30	330
Pentachlorophenol	40	U	40	270
Phenanthrene	8.8	U	8.8	330
Phenol	11	U	11	330
Pyrene	15	U	15	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	70	10 - 103
2-Fluorobiphenyl	89	38 - 95
2-Fluorophenol (Surr)	66	25 - 92
Nitrobenzene-d5 (Surr)	84	37 - 94
Phenol-d5 (Surr)	70	32 - 91
Terphenyl-d14 (Surr)	96	24 - 109

Method Blank TICs- Batch: 460-418240

Cas Number	Analyte	RT	Est. Result (ug)	Qual
	Aldol condensation product	2.75	2570	J A
	Aldol condensation product	2.38	284	J A

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Lab Control Sample - Batch: 460-418240

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-418240/2-A	Analysis Batch:	460-418328	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-418240	Lab File ID:	x225516.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/07/2017 0334	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/06/2017 1207			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	3330	2770	83	64 - 108	
1,2,4,5-Tetrachlorobenzene	3330	2640	79	57 - 112	
2,2'-oxybis[1-chloropropane]	3330	2460	74	39 - 122	
2,3,4,6-Tetrachlorophenol	3330	2910	87	60 - 114	
2,4,5-Trichlorophenol	3330	2760	83	60 - 106	
2,4,6-Trichlorophenol	3330	2720	82	62 - 110	
2,4-Dichlorophenol	3330	2600	78	61 - 103	
2,4-Dimethylphenol	3330	2570	77	63 - 101	
2,4-Dinitrophenol	6670	5970	90	56 - 122	
2,4-Dinitrotoluene	3330	3290	99	66 - 122	
2,6-Dinitrotoluene	3330	3020	91	70 - 114	
2-Chloronaphthalene	3330	2700	81	63 - 107	
2-Chlorophenol	3330	2400	72	62 - 97	
2-Methylnaphthalene	3330	2650	80	65 - 104	
2-Methylphenol	3330	2620	79	61 - 103	
2-Nitroaniline	3330	2780	83	57 - 114	
2-Nitrophenol	3330	2530	76	65 - 104	
3,3'-Dichlorobenzidine	3330	1320	39	18 - 88	
3-Nitroaniline	3330	1370	41	30 - 94	
4,6-Dinitro-2-methylphenol	6670	5000	75	67 - 120	
4-Bromophenyl phenyl ether	3330	2680	80	59 - 122	
4-Chloro-3-methylphenol	3330	3000	90	62 - 111	
4-Chloroaniline	3330	915	27	18 - 94	
4-Chlorophenyl phenyl ether	3330	2870	86	66 - 110	
4-Methylphenol	3330	2460	74	61 - 105	
4-Nitroaniline	3330	2370	71	49 - 118	
4-Nitrophenol	6670	6490	97	43 - 141	
Acenaphthene	3330	2710	81	62 - 108	
Acenaphthylene	3330	2820	85	67 - 107	
Acetophenone	3330	2680	81	60 - 109	
Anthracene	3330	2700	81	69 - 111	
Benzo[a]anthracene	3330	2960	89	68 - 110	
Benzo[a]pyrene	3330	2890	87	72 - 115	
Benzo[b]fluoranthene	3330	3100	93	69 - 119	
Benzo[g,h,i]perylene	3330	2770	83	54 - 128	
Benzo[k]fluoranthene	3330	2670	80	70 - 115	
Bis(2-chloroethoxy)methane	3330	2630	79	65 - 106	
Bis(2-chloroethyl)ether	3330	2740	82	64 - 105	
Bis(2-ethylhexyl) phthalate	3330	3350	101	63 - 125	
Butyl benzyl phthalate	3330	3130	94	65 - 125	
Carbazole	3330	2740	82	66 - 115	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Lab Control Sample - Batch: 460-418240

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-418240/2-A	Analysis Batch:	460-418328	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-418240	Lab File ID:	x225516.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/07/2017 0334	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/06/2017 1207			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	3330	2940	88	70 - 111	
Dibenz(a,h)anthracene	3330	3230	97	60 - 130	
Dibenzofuran	3330	2940	88	67 - 107	
Diethyl phthalate	3330	3070	92	66 - 117	
Dimethyl phthalate	3330	2940	88	68 - 112	
Di-n-butyl phthalate	3330	2850	85	67 - 119	
Di-n-octyl phthalate	3330	3280	98	57 - 138	
Fluoranthene	3330	2930	88	64 - 114	
Fluorene	3330	3010	90	66 - 110	
Hexachlorobenzene	3330	2950	89	57 - 128	
Hexachlorobutadiene	3330	2580	77	60 - 108	
Hexachlorocyclopentadiene	3330	2340	70	50 - 129	
Hexachloroethane	3330	2460	74	63 - 99	
Indeno[1,2,3-cd]pyrene	3330	3280	99	53 - 137	
Isophorone	3330	2760	83	68 - 111	
Naphthalene	3330	2560	77	65 - 102	
Nitrobenzene	3330	2630	79	66 - 108	
N-Nitrosodimethylamine	3330	2530	76	58 - 103	
N-Nitrosodi-n-propylamine	3330	2940	88	63 - 117	
N-Nitrosodiphenylamine	3330	2610	78	65 - 114	
Pentachlorophenol	6670	4980	75	56 - 116	
Phenanthrene	3330	2660	80	68 - 111	
Phenol	3330	2630	79	58 - 103	
Pyrene	3330	3020	91	64 - 121	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	132 *	10 - 103
2-Fluorobiphenyl	88	38 - 95
2-Fluorophenol (Surr)	74	25 - 92
Nitrobenzene-d5 (Surr)	88	37 - 94
Phenol-d5 (Surr)	85	32 - 91
Terphenyl-d14 (Surr)	103	24 - 109

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Lab Control Sample - Batch: 460-418240

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-418240/3-A	Analysis Batch:	460-418328	Instrument ID:	CBNAM5
Client Matrix:	Solid	Prep Batch:	460-418240	Lab File ID:	x225517.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/07/2017 0357	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/06/2017 1207			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Atrazine	6670	7920	119	62 - 137	
Benzaldehyde	6670	6650	100	52 - 113	
Caprolactam	6670	8870	133	53 - 148	E
Surrogate	% Rec		Acceptance Limits		
2,4,6-Tribromophenol (Surr)	167	*	10 - 103		
2-Fluorobiphenyl	113	*	38 - 95		
2-Fluorophenol (Surr)	98	*	25 - 92		
Nitrobenzene-d5 (Surr)	116	*	37 - 94		
Phenol-d5 (Surr)	107	*	32 - 91		
Terphenyl-d14 (Surr)	127	*	24 - 109		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-418240

Method: 8270D
Preparation: 3546

MS Lab Sample ID: 460-127688-H-11-E MS
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/08/2017 1502
Prep Date: 02/06/2017 1207
Leach Date: N/A

Analysis Batch: 460-418529
Prep Batch: 460-418240
Leach Batch: N/A

Instrument ID: CBNAMS11
Lab File ID: z4321700.D
Initial Weight/Volume: 15.0221 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 460-127688-H-11-F MSD
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/08/2017 1526
Prep Date: 02/06/2017 1207
Leach Date: N/A

Analysis Batch: 460-418529
Prep Batch: 460-418240
Leach Batch: N/A

Instrument ID: CBNAMS11
Lab File ID: z4321701.D
Initial Weight/Volume: 15.0428 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1'-Biphenyl	88	87	64 - 108	1	30		
1,2,4,5-Tetrachlorobenzene	108	109	57 - 112	0	30		
2,2'-oxybis[1-chloropropane]	59	57	39 - 122	2	30		
2,3,4,6-Tetrachlorophenol	46	56	60 - 114	18	30	*	*
2,4,5-Trichlorophenol	62	62	60 - 106	0	30		
2,4,6-Trichlorophenol	72	75	62 - 110	3	30		
2,4-Dichlorophenol	68	65	61 - 103	6	30		
2,4-Dimethylphenol	66	58	63 - 101	14	30		*
2,4-Dinitrophenol	0	0	56 - 122	NC	30	U *	U *
2,4-Dinitrotoluene	89	90	66 - 122	2	30		
2,6-Dinitrotoluene	93	94	70 - 114	1	30		
2-Chloronaphthalene	87	86	63 - 107	1	30		
2-Chlorophenol	51	49	62 - 97	4	30	*	*
2-Methylnaphthalene	73	69	65 - 104	6	30		
2-Methylphenol	57	51	61 - 103	9	30	*	*
2-Nitroaniline	74	74	57 - 114	0	30		
2-Nitrophenol	43	46	65 - 104	7	30	*	*
3,3'-Dichlorobenzidine	53	48	18 - 88	10	30		
3-Nitroaniline	63	59	30 - 94	8	30		
4,6-Dinitro-2-methylphenol	3	4	67 - 120	7	30	J *	J *
4-Bromophenyl phenyl ether	100	91	59 - 122	10	30		
4-Chloro-3-methylphenol	68	64	62 - 111	7	30		
4-Chloroaniline	28	24	18 - 94	17	30		
4-Chlorophenyl phenyl ether	97	96	66 - 110	1	30		
4-Methylphenol	52	49	61 - 105	6	30	*	*
4-Nitroaniline	50	50	49 - 118	0	30		
4-Nitrophenol	63	66	43 - 141	4	30		
Acenaphthene	76	76	62 - 108	0	30		
Acenaphthylene	84	82	67 - 107	2	30		
Acetophenone	63	62	60 - 109	3	30		
Anthracene	75	72	69 - 111	4	30		
Atrazine	117	110	62 - 137	6	30		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-418240

Method: 8270D
Preparation: 3546

MS Lab Sample ID: 460-127688-H-11-E MS
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/08/2017 1502
Prep Date: 02/06/2017 1207
Leach Date: N/A

Analysis Batch: 460-418529
Prep Batch: 460-418240
Leach Batch: N/A

Instrument ID: CBNAMS11
Lab File ID: z4321700.D
Initial Weight/Volume: 15.0221 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 460-127688-H-11-F MSD
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/08/2017 1526
Prep Date: 02/06/2017 1207
Leach Date: N/A

Analysis Batch: 460-418529
Prep Batch: 460-418240
Leach Batch: N/A

Instrument ID: CBNAMS11
Lab File ID: z4321701.D
Initial Weight/Volume: 15.0428 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzaldehyde	48	47	52 - 113	3	30	*	*
Benzo[a]anthracene	88	86	68 - 110	3	30		
Benzo[a]pyrene	88	84	72 - 115	4	30		
Benzo[b]fluoranthene	80	82	69 - 119	3	30		
Benzo[g,h,i]perylene	74	63	54 - 128	16	30		
Benzo[k]fluoranthene	83	78	70 - 115	6	30		
Bis(2-chloroethoxy)methane	78	76	65 - 106	3	30		
Bis(2-chloroethyl)ether	60	59	64 - 105	2	30	*	*
Bis(2-ethylhexyl) phthalate	58	56	63 - 125	3	30	*	*
Butyl benzyl phthalate	53	50	65 - 125	6	30	*	*
Caprolactam	36	39	53 - 148	7	30	*	*
Carbazole	77	74	66 - 115	3	30		
Chrysene	94	93	70 - 111	1	30		
Dibenz(a,h)anthracene	90	79	60 - 130	13	30		
Dibenzofuran	80	82	67 - 107	2	30		
Diethyl phthalate	99	99	66 - 117	0	30		
Dimethyl phthalate	111	113	68 - 112	2	30		*
Di-n-butyl phthalate	85	82	67 - 119	4	30		
Di-n-octyl phthalate	40	42	57 - 138	4	30	*	*
Fluoranthene	97	99	64 - 114	2	30		
Fluorene	79	81	66 - 110	2	30		
Hexachlorobenzene	92	87	57 - 128	6	30		
Hexachlorobutadiene	109	105	60 - 108	4	30	*	
Hexachlorocyclopentadiene	20	15	50 - 129	33	30	*	*
Hexachloroethane	54	51	63 - 99	7	30	*	*
Indeno[1,2,3-cd]pyrene	90	77	53 - 137	16	30		
Isophorone	83	81	68 - 111	3	30		
Naphthalene	71	68	65 - 102	5	30		
Nitrobenzene	74	71	66 - 108	4	30		
N-Nitrosodimethylamine	62	60	58 - 103	3	30		
N-Nitrosodi-n-propylamine	68	64	63 - 117	6	30		
N-Nitrosodiphenylamine	79	71	65 - 114	10	30		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-418240

Method: 8270D
Preparation: 3546

MS Lab Sample ID: 460-127688-H-11-E MS	Analysis Batch: 460-418529	Instrument ID: CBNAMS11
Client Matrix: Solid	Prep Batch: 460-418240	Lab File ID: z4321700.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0221 g
Analysis Date: 02/08/2017 1502		Final Weight/Volume: 1 mL
Prep Date: 02/06/2017 1207		Injection Volume: 1 uL
Leach Date: N/A		

MSD Lab Sample ID: 460-127688-H-11-F MSD	Analysis Batch: 460-418529	Instrument ID: CBNAMS11
Client Matrix: Solid	Prep Batch: 460-418240	Lab File ID: z4321701.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0428 g
Analysis Date: 02/08/2017 1526		Final Weight/Volume: 1 mL
Prep Date: 02/06/2017 1207		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Pentachlorophenol	15	20	56 - 116	25	30	*	*
Phenanthrene	75	72	68 - 111	5	30		
Phenol	55	51	58 - 103	6	30	*	*
Pyrene	52	49	64 - 121	4	30	*	*
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
2,4,6-Tribromophenol (Surr)	75		81	10 - 103			
2-Fluorobiphenyl	109		109	38 - 95			
2-Fluorophenol (Surr)	53		51	25 - 92			
Nitrobenzene-d5 (Surr)	85		82	37 - 94			
Phenol-d5 (Surr)	57		54	32 - 91			
Terphenyl-d14 (Surr)	69		65	24 - 109			

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-417999

Method: 8015D
Preparation: N/A

Lab Sample ID:	MB 460-417999/4	Analysis Batch:	460-417999	Instrument ID:	CVOAGC1
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	VF104746.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/03/2017 1805	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	N/A			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	RL	RL
GRO	2500	U	2500	2500
Surrogate	% Rec		Acceptance Limits	
a,a,a-Trifluorotoluene	92		80 - 135	

Lab Control Sample/

Method: 8015D
Preparation: N/A

Lab Control Sample Duplicate Recovery Report - Batch: 460-417999

LCS Lab Sample ID:	LCS 460-417999/2	Analysis Batch:	460-417999	Instrument ID:	CVOAGC1
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	VF104744.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/03/2017 1716	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	N/A			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 460-417999/3	Analysis Batch:	460-417999	Instrument ID:	CVOAGC1
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	VF104745.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/03/2017 1740	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	N/A			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
GRO	92	91	80 - 120	2	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
a,a,a-Trifluorotoluene	91		92		80 - 135		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-417745

Method: 8015D
Preparation: 3546

Lab Sample ID:	MB 460-417745/1-A	Analysis Batch:	460-417928	Instrument ID:	CBNAGC3
Client Matrix:	Solid	Prep Batch:	460-417745	Lab File ID:	3F007002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/03/2017 1107	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/02/2017 1249			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
#2 Diesel Fuel	1.1	U	1.1	6.7
C10-C44	1.1	U	1.1	8.7
Surrogate	% Rec		Acceptance Limits	
o-Terphenyl	81		25 - 132	

Lab Control Sample - Batch: 460-417745

Method: 8015D
Preparation: 3546

Lab Sample ID:	LCS 460-417745/2-A	Analysis Batch:	460-417928	Instrument ID:	CBNAGC3
Client Matrix:	Solid	Prep Batch:	460-417745	Lab File ID:	3F007003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/03/2017 1119	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/02/2017 1249			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
#2 Diesel Fuel	133	93.6	70	67 - 126	
Surrogate	% Rec			Acceptance Limits	
o-Terphenyl	90			25 - 132	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-417745

Method: 8015D
Preparation: 3546

MS Lab Sample ID: 460-127729-1DL
Client Matrix: Solid
Dilution: 10
Analysis Date: 02/03/2017 1621
Prep Date: 02/02/2017 1249
Leach Date: N/A

Analysis Batch: 460-417928
Prep Batch: 460-417745
Leach Batch: N/A
Run Type: DL

Instrument ID: CBNAGC3
Lab File ID: 3F007028.D
Initial Weight/Volume: 15.0275 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 460-127729-1DL
Client Matrix: Solid
Dilution: 10
Analysis Date: 02/03/2017 1633
Prep Date: 02/02/2017 1249
Leach Date: N/A

Analysis Batch: 460-417928
Prep Batch: 460-417745
Leach Batch: N/A
Run Type: DL

Instrument ID: CBNAGC3
Lab File ID: 3F007029.D
Initial Weight/Volume: 15.0263 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
#2 Diesel Fuel	42	49	67 - 126	3	30	*	*
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
o-Terphenyl	101		109		25 - 132		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-417830

Method: 8081B Preparation: 3546

Lab Sample ID:	MB 460-417830/1-A	Analysis Batch:	460-418193	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-417830	Lab File ID:	P4201426.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/06/2017 1058	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/02/2017 2158			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	0.88	U	0.88	6.7
4,4'-DDE	0.97	U	0.97	6.7
4,4'-DDT	0.69	U	0.69	6.7
Aldrin	0.81	U	0.81	6.7
alpha-BHC	0.61	U	0.61	2.0
beta-BHC	0.65	U	0.65	2.0
Chlordane (technical)	30	U	30	67
delta-BHC	0.73	U	0.73	2.0
Dieldrin	0.87	U	0.87	2.0
Endosulfan I	0.93	U	0.93	6.7
Endosulfan II	1.1	U	1.1	6.7
Endosulfan sulfate	0.78	U	0.78	6.7
Endrin	0.85	U	0.85	6.7
Endrin aldehyde	0.83	U	0.83	6.7
Endrin ketone	0.93	U	0.93	6.7
gamma-BHC (Lindane)	0.60	U	0.60	2.0
Heptachlor	0.86	U	0.86	6.7
Heptachlor epoxide	1.3	U	1.3	6.7
Methoxychlor	1.4	U	1.4	6.7
gamma-Chlordane	1.5	U	1.5	6.7
Toxaphene	20	U	20	67
alpha-Chlordane	1.1	U	1.1	6.7

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	119	50 - 150
Tetrachloro-m-xylene	127	47 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	111	50 - 150
Tetrachloro-m-xylene	122	47 - 150

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Lab Control Sample - Batch: 460-417830

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-417830/2-A	Analysis Batch:	460-418193	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-417830	Lab File ID:	P4201427.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/06/2017 1112	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/02/2017 2158			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	133	167	125	64 - 129	
4,4'-DDE	133	158	119	65 - 129	
4,4'-DDT	133	143	107	59 - 124	
Aldrin	133	160	120	66 - 127	
alpha-BHC	133	163	122	69 - 131	
beta-BHC	133	162	122	69 - 127	
delta-BHC	133	163	122	64 - 129	
Dieldrin	133	160	120	65 - 128	
Endosulfan I	133	165	124	66 - 126	
Endosulfan II	133	156	117	64 - 124	
Endosulfan sulfate	133	157	118	62 - 123	
Endrin	133	145	109	58 - 126	
Endrin aldehyde	133	162	121	69 - 131	
Endrin ketone	133	167	125	62 - 125	
gamma-BHC (Lindane)	133	156	117	67 - 126	
Heptachlor	133	153	115	63 - 125	
Heptachlor epoxide	133	156	117	64 - 125	
Methoxychlor	133	136	102	56 - 123	
gamma-Chlordane	133	157	117	64 - 127	
alpha-Chlordane	133	157	117	65 - 127	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	133	50 - 150
Tetrachloro-m-xylene	144	47 - 150

Lab Control Sample - Batch: 460-417830

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-417830/2-A	Analysis Batch:	460-418193	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-417830	Lab File ID:	P4201427.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/06/2017 1112	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/02/2017 2158			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	133	148	111	64 - 129	
4,4'-DDE	133	141	106	65 - 129	
4,4'-DDT	133	136	102	59 - 124	
Aldrin	133	145	109	66 - 127	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Lab Control Sample - Batch: 460-417830

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-417830/2-A	Analysis Batch:	460-418193	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-417830	Lab File ID:	P4201427.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/06/2017 1112	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/02/2017 2158			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
alpha-BHC	133	146	110	69 - 131	
beta-BHC	133	148	111	69 - 127	
delta-BHC	133	142	107	64 - 129	
Dieldrin	133	142	106	65 - 128	
Endosulfan I	133	141	106	66 - 126	
Endosulfan II	133	141	106	64 - 124	
Endosulfan sulfate	133	142	106	62 - 123	
Endrin	133	130	97	58 - 126	
Endrin aldehyde	133	145	109	69 - 131	
Endrin ketone	133	150	113	62 - 125	
gamma-BHC (Lindane)	133	142	107	67 - 126	
Heptachlor	133	143	107	63 - 125	
Heptachlor epoxide	133	139	104	64 - 125	
Methoxychlor	133	130	97	56 - 123	
gamma-Chlordane	133	140	105	64 - 127	
alpha-Chlordane	133	138	104	65 - 127	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	120		50 - 150		
Tetrachloro-m-xylene	134		47 - 150		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-417830

Method: 8081B
Preparation: 3546

MS Lab Sample ID: 460-127507-E-1-G MS	Analysis Batch: 460-418193	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-417830	Lab File ID: P4201428.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0106 g
Analysis Date: 02/06/2017 1124		Final Weight/Volume: 10 mL
Prep Date: 02/02/2017 2158		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

MSD Lab Sample ID: 460-127507-E-1-H MSD	Analysis Batch: 460-418193	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-417830	Lab File ID: P4201429.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0110 g
Analysis Date: 02/06/2017 1138		Final Weight/Volume: 10 mL
Prep Date: 02/02/2017 2158		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	115	114	64 - 129	194	30		*
4,4'-DDE	109	109	65 - 129	194	30		*
4,4'-DDT	106	98	59 - 124	194	30		*
Aldrin	103	109	66 - 127	194	30		*
alpha-BHC	101	110	69 - 131	194	30		*
beta-BHC	119	110	69 - 127	194	30		*
delta-BHC	101	111	64 - 129	194	30		*
Dieldrin	110	109	65 - 128	194	30		*
Endosulfan I	113	111	66 - 126	194	30		*
Endosulfan II	111	106	64 - 124	194	30		*
Endosulfan sulfate	110	106	62 - 123	194	30		*
Endrin	101	100	58 - 126	194	30		*
Endrin aldehyde	112	107	69 - 131	193	30		*
Endrin ketone	117	112	62 - 125	194	30		*
gamma-BHC (Lindane)	100	106	67 - 126	194	30		*
Heptachlor	105	105	63 - 125	194	30		*
Heptachlor epoxide	107	106	64 - 125	194	30		*
Methoxychlor	105	95	56 - 123	194	30		*
gamma-Chlordane	108	106	64 - 127	194	30		*
alpha-Chlordane	105	106	65 - 127	194	30		*

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits	
DCB Decachlorobiphenyl	2	* p	122		50 - 150	
Tetrachloro-m-xylene	2	* p	135		47 - 150	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-417830

Method: 8081B
Preparation: 3546

MS Lab Sample ID: 460-127507-E-1-G MS	Analysis Batch: 460-418193	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-417830	Lab File ID: P4201428.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0106 g
Analysis Date: 02/06/2017 1124		Final Weight/Volume: 10 mL
Prep Date: 02/02/2017 2158		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

MSD Lab Sample ID: 460-127507-E-1-H MSD	Analysis Batch: 460-418193	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-417830	Lab File ID: P4201429.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0110 g
Analysis Date: 02/06/2017 1138		Final Weight/Volume: 10 mL
Prep Date: 02/02/2017 2158		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	2	106	64 - 129	8	30	J p *	
4,4'-DDE	2	100	65 - 129	9	30	J p *	
4,4'-DDT	2	98	59 - 124	9	30	J p *	
Aldrin	2	103	66 - 127	0	30	J p *	
alpha-BHC	2	104	69 - 131	3	30	p *	
beta-BHC	2	104	69 - 127	13	30	p *	
delta-BHC	2	101	64 - 129	0	30	p *	
Dieldrin	2	102	65 - 128	8	30	p *	
Endosulfan I	2	101	66 - 126	11	30	J p *	
Endosulfan II	2	101	64 - 124	10	30	J p *	
Endosulfan sulfate	2	101	62 - 123	8	30	J p *	
Endrin	2	94	58 - 126	8	30	J p *	
Endrin aldehyde	2	102	69 - 131	10	30	J p *	
Endrin ketone	2	108	62 - 125	8	30	J p *	
gamma-BHC (Lindane)	2	101	67 - 126	1	30	p *	
Heptachlor	2	101	63 - 125	4	30	J p *	
Heptachlor epoxide	2	99	64 - 125	8	30	J p *	
Methoxychlor	2	94	56 - 123	12	30	J p *	
gamma-Chlordane	2	99	64 - 127	8	30	J p *	
alpha-Chlordane	2	99	65 - 127	6	30	J p *	
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	142		117	50 - 150			
Tetrachloro-m-xylene	125		132	47 - 150			

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-417826

Method: 8082A Preparation: 3546

Lab Sample ID: MB 460-417826/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/03/2017 1530
Prep Date: 02/02/2017 2054
Leach Date: N/A

Analysis Batch: 460-417975
Prep Batch: 460-417826
Leach Batch: N/A
Units: ug/Kg

Instrument ID: CPESTGC11
Lab File ID: T1339407.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	8.9	U	8.9	67
Aroclor 1221	8.9	U	8.9	67
Aroclor 1232	8.9	U	8.9	67
Aroclor 1242	8.9	U	8.9	67
Aroclor 1248	8.9	U	8.9	67
Aroclor 1254	9.2	U	9.2	67
Aroclor 1260	9.2	U	9.2	67
Aroclor 1268	9.2	U	9.2	67
Aroclor-1262	9.2	U	9.2	67
Polychlorinated biphenyls, Total	9.2	U	9.2	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	139	35 - 150
Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	134	35 - 150

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Lab Control Sample - Batch: 460-417826

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-417826/2-A	Analysis Batch:	460-417975	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-417826	Lab File ID:	T1339408.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/03/2017 1545	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/02/2017 2054			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	444	133	77 - 150	
Aroclor 1260	333	467	140	79 - 150	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	141		35 - 150		

Lab Control Sample - Batch: 460-417826

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-417826/2-A	Analysis Batch:	460-417975	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-417826	Lab File ID:	T1339408.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/03/2017 1545	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/02/2017 2054			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	449	135	77 - 150	
Aroclor 1260	333	447	134	79 - 150	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	139		35 - 150		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-417826

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-127507-E-1-D MS	Analysis Batch: 460-417975	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-417826	Lab File ID: T1339410.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0113 g
Analysis Date: 02/03/2017 1614		Final Weight/Volume: 10 mL
Prep Date: 02/02/2017 2054		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

MSD Lab Sample ID: 460-127507-E-1-E MSD	Analysis Batch: 460-417975	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-417826	Lab File ID: T1339411.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0110 g
Analysis Date: 02/03/2017 1629		Final Weight/Volume: 10 mL
Prep Date: 02/02/2017 2054		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	221	135	77 - 150	49	30	E *	*
Aroclor 1260	176	144	79 - 150	15	30	*	
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	170		*	144	35 - 150		

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-417826

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-127507-E-1-D MS	Analysis Batch: 460-417975	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-417826	Lab File ID: T1339410.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0113 g
Analysis Date: 02/03/2017 1614		Final Weight/Volume: 10 mL
Prep Date: 02/02/2017 2054		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

MSD Lab Sample ID: 460-127507-E-1-E MSD	Analysis Batch: 460-417975	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-417826	Lab File ID: T1339411.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0110 g
Analysis Date: 02/03/2017 1629		Final Weight/Volume: 10 mL
Prep Date: 02/02/2017 2054		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	154	134	77 - 150	14	30	E *	
Aroclor 1260	167	146	79 - 150	19	30	*	
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	166		*	141	35 - 150		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-418320

Method: 8151A

Preparation: 8151A

Lab Sample ID: MB 460-418320/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/07/2017 1407
Prep Date: 02/06/2017 2120
Leach Date: N/A

Analysis Batch: 460-418431
Prep Batch: 460-418320
Leach Batch: N/A
Units: ug/Kg

Instrument ID: CPESTGC3
Lab File ID: ZR143894.D
Initial Weight/Volume: 30.0000 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
2,4-D	7.8	U	7.8	17
Silvex (2,4,5-TP)	11	U	11	17
2,4,5-T	7.8	U	7.8	17

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	130	80 - 141

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	117	80 - 141

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Lab Control Sample - Batch: 460-418320

Method: 8151A

Preparation: 8151A

Lab Sample ID:	LCS 460-418320/2-A	Analysis Batch:	460-418431	Instrument ID:	CPESTGC3
Client Matrix:	Solid	Prep Batch:	460-418320	Lab File ID:	ZR143895.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0000 g
Analysis Date:	02/07/2017 1421	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/06/2017 2120			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	333	289	87	39 - 119	
Silvex (2,4,5-TP)	83.3	125	150	58 - 150	
2,4,5-T	83.3	90.8	109	53 - 134	

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	124	80 - 141

Lab Control Sample - Batch: 460-418320

Method: 8151A

Preparation: 8151A

Lab Sample ID:	LCS 460-418320/2-A	Analysis Batch:	460-418431	Instrument ID:	CPESTGC3
Client Matrix:	Solid	Prep Batch:	460-418320	Lab File ID:	ZR143895.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0000 g
Analysis Date:	02/07/2017 1421	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/06/2017 2120			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	333	289	87	39 - 119	
Silvex (2,4,5-TP)	83.3	98.0	118	58 - 150	
2,4,5-T	83.3	89.5	107	53 - 134	

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	118	80 - 141

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-418320

Method: 8151A
Preparation: 8151A

MS Lab Sample ID: 460-127892-H-1-A MS	Analysis Batch: 460-418431	Instrument ID: CPESTGC3
Client Matrix: Solid	Prep Batch: 460-418320	Lab File ID: ZR143896.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 30.0118 g
Analysis Date: 02/07/2017 1436		Final Weight/Volume: 10 mL
Prep Date: 02/06/2017 2120		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

MSD Lab Sample ID: 460-127892-H-1-B MSD	Analysis Batch: 460-418431	Instrument ID: CPESTGC3
Client Matrix: Solid	Prep Batch: 460-418320	Lab File ID: ZR143897.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 30.0121 g
Analysis Date: 02/07/2017 1451		Final Weight/Volume: 10 mL
Prep Date: 02/06/2017 2120		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
2,4-D	86	85	39 - 119	2	30		
Silvex (2,4,5-TP)	139	138	58 - 150	1	30		
2,4,5-T	108	105	53 - 134	2	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
2,4-Dichlorophenylacetic acid	126		124	80 - 141			

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-418320

Method: 8151A
Preparation: 8151A

MS Lab Sample ID: 460-127892-H-1-A MS	Analysis Batch: 460-418431	Instrument ID: CPESTGC3
Client Matrix: Solid	Prep Batch: 460-418320	Lab File ID: ZR143896.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 30.0118 g
Analysis Date: 02/07/2017 1436		Final Weight/Volume: 10 mL
Prep Date: 02/06/2017 2120		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

MSD Lab Sample ID: 460-127892-H-1-B MSD	Analysis Batch: 460-418431	Instrument ID: CPESTGC3
Client Matrix: Solid	Prep Batch: 460-418320	Lab File ID: ZR143897.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 30.0121 g
Analysis Date: 02/07/2017 1451		Final Weight/Volume: 10 mL
Prep Date: 02/06/2017 2120		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
2,4-D	85	83	39 - 119	2	30		
Silvex (2,4,5-TP)	114	112	58 - 150	1	30		
2,4,5-T	104	102	53 - 134	2	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
2,4-Dichlorophenylacetic acid	116		114	80 - 141			

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-418217

Method: NJDEP EPH Preparation: 3546

Lab Sample ID:	MB 460-418217/1-A	Analysis Batch:	460-418589	Instrument ID:	CBNAGC2
Client Matrix:	Solid	Prep Batch:	460-418217	Lab File ID:	2F055464.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/08/2017 1014	Units:	mg/Kg	Final Weight/Volume:	2 mL
Prep Date:	02/06/2017 1006			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	RL	RL
Total EPH (C9-C40)	2.0	U	2.0	2.0
Surrogate	% Rec		Acceptance Limits	
o-Terphenyl	100		40 - 140	
1-Chlorooctadecane	101		40 - 140	

Lab Control Sample/

Method: NJDEP EPH Preparation: 3546

Lab Control Sample Duplicate Recovery Report - Batch: 460-418217

LCS Lab Sample ID:	LCS 460-418217/2-A	Analysis Batch:	460-418589	Instrument ID:	CBNAGC2
Client Matrix:	Solid	Prep Batch:	460-418217	Lab File ID:	2F055465.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/08/2017 1027	Units:	mg/Kg	Final Weight/Volume:	2 mL
Prep Date:	02/06/2017 1006			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 460-418217/3-A	Analysis Batch:	460-418589	Instrument ID:	CBNAGC2
Client Matrix:	Solid	Prep Batch:	460-418217	Lab File ID:	2F055466.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/08/2017 1039	Units:	mg/Kg	Final Weight/Volume:	2 mL
Prep Date:	02/06/2017 1006			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total EPH (C9-C40)	83	88	40 - 140	6	25		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-418217

Method: NJDEP EPH
Preparation: 3546

MS Lab Sample ID: 460-127703-A-1-A MS	Analysis Batch: 460-418589	Instrument ID: CBNAGC2
Client Matrix: Solid	Prep Batch: 460-418217	Lab File ID: 2F055467.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0336 g
Analysis Date: 02/08/2017 1051		Final Weight/Volume: 2 mL
Prep Date: 02/06/2017 1006		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

MSD Lab Sample ID: 460-127703-A-1-B MSD	Analysis Batch: 460-418589	Instrument ID: CBNAGC2
Client Matrix: Solid	Prep Batch: 460-418217	Lab File ID: 2F055468.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0112 g
Analysis Date: 02/08/2017 1103		Final Weight/Volume: 2 mL
Prep Date: 02/06/2017 1006		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Total EPH (C9-C40)	74	72	40 - 140	3	25		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 490-405840

Method: 6010C

Preparation: 3051A

Lab Sample ID: MB 490-405840/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/06/2017 1524
Prep Date: 02/06/2017 0933
Leach Date: N/A

Analysis Batch: 490-406088
Prep Batch: 490-405840
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP6
Lab File ID: tals_020617-6b.asc
Initial Weight/Volume: 0.514 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Aluminum	9.7	U	9.7	19.5
Antimony	0.97	U	0.97	9.7
Arsenic	1.2	U	1.2	1.9
Barium	0.97	U	0.97	1.9
Beryllium	0.19	U	0.19	0.97
Cadmium	0.097	U	0.097	0.97
Calcium	97.3	U	97.3	195
Chromium	0.88	U	0.88	0.97
Cobalt	0.97	U	0.97	1.9
Copper	1.1	U	1.1	1.9
Iron	19.5	U	19.5	38.9
Lead	0.49	U	0.49	0.97
Magnesium	97.3	U	97.3	195
Manganese	0.97	U	0.97	2.9
Nickel	0.58	U	0.58	1.9
Potassium	97.3	U	97.3	195
Selenium	1.1	U	1.1	1.9
Silver	0.39	U	0.39	0.97
Sodium	126	U	126	195
Thallium	0.58	U	0.58	1.9
Vanadium	1.9	U	1.9	9.7
Zinc	4.9	U	4.9	9.7
Sulfur	25.3	U	25.3	48.6

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Lab Control Sample - Batch: 490-405840

Method: 6010C

Preparation: 3051A

Lab Sample ID:	LCS 490-405840/2-A	Analysis Batch:	490-406088	Instrument ID:	ICP6
Client Matrix:	Solid	Prep Batch:	490-405840	Lab File ID:	tals_020617-6b.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.495 g
Analysis Date:	02/06/2017 1529	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	02/06/2017 0933				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	202	193.5	96	80 - 120	
Antimony	20.2	19.39	96	80 - 120	
Arsenic	20.2	19.29	96	80 - 120	
Barium	20.2	20.44	101	80 - 120	
Beryllium	20.2	21.72	108	80 - 120	
Cadmium	20.2	19.13	95	80 - 120	
Calcium	2020	1934	96	80 - 120	
Chromium	20.2	19.33	96	80 - 120	
Cobalt	20.2	19.72	98	80 - 120	
Copper	20.2	21.13	105	80 - 120	
Iron	202	213.3	106	80 - 120	
Lead	20.2	18.71	93	80 - 120	
Magnesium	2020	1978	98	80 - 120	
Manganese	20.2	17.07	85	80 - 120	
Nickel	20.2	20.00	99	80 - 120	
Potassium	2020	1956	97	80 - 120	
Selenium	20.2	19.17	95	80 - 120	
Silver	20.2	19.84	98	80 - 120	
Sodium	2020	1946	96	80 - 120	
Thallium	20.2	19.52	97	80 - 120	
Vanadium	20.2	20.32	101	80 - 120	
Zinc	20.2	21.23	105	80 - 120	
Sulfur	101	116.0	115	80 - 120	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 490-405840

Method: 6010C
Preparation: 3051A

MS Lab Sample ID: 460-127785-D-2-B MS	Analysis Batch: 490-406088	Instrument ID: ICP6
Client Matrix: Solid	Prep Batch: 490-405840	Lab File ID: tals_020617-6b.asc
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 0.513 g
Analysis Date: 02/06/2017 1554		Final Weight/Volume: 100 mL
Prep Date: 02/06/2017 0933		
Leach Date: N/A		

MSD Lab Sample ID: 460-127785-D-2-C MSD	Analysis Batch: 490-406088	Instrument ID: ICP6
Client Matrix: Solid	Prep Batch: 490-405840	Lab File ID: tals_020617-6b.asc
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 0.500 g
Analysis Date: 02/06/2017 1609		Final Weight/Volume: 100 mL
Prep Date: 02/06/2017 0933		
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aluminum	-129	10	75 - 125	13	20	4	4
Antimony	94	89	75 - 125	3	20		
Arsenic	92	93	75 - 125	3	20		
Barium	82	89	75 - 125	7	20		
Beryllium	105	104	75 - 125	1	20		
Cadmium	91	90	75 - 125	1	20		
Calcium	77	81	75 - 125	6	20		
Chromium	89	88	75 - 125	2	20		
Cobalt	91	92	75 - 125	3	20		
Copper	90	98	75 - 125	9	20		
Iron	-325	97	75 - 125	16	20	4	4
Lead	86	89	75 - 125	5	20		
Magnesium	84	94	75 - 125	9	20		
Manganese	-289	-15	75 - 125	45	20	4	4 N
Nickel	61	94	75 - 125	19	20	N	
Potassium	89	90	75 - 125	3	20		
Selenium	92	90	75 - 125	0	20		
Silver	95	94	75 - 125	1	20		
Sodium	97	97	75 - 125	2	20		
Thallium	94	94	75 - 125	3	20		
Vanadium	92	97	75 - 125	6	20		
Zinc	72	94	75 - 125	16	20	N	
Sulfur	-147	113	75 - 125	34	20	4	4 N

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-418118

Method: 6010C
Preparation: 3010A

Lab Sample ID: MB 460-418118/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 02/05/2017 1524
Prep Date: 02/04/2017 1945
Leach Date: N/A

Analysis Batch: 460-418133
Prep Batch: 460-418118
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP5
Lab File ID: 418120D1.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	4.4	U	4.4	15.0
Barium	8.6	U	8.6	200
Cadmium	1.8	U	1.8	4.0
Chromium	3.3	U	3.3	10.0
Copper	8.1	U	8.1	25.0
Lead	4.1	U	4.1	10.0
Nickel	9.0	U	9.0	40.0
Selenium	4.4	U	4.4	20.0
Silver	1.8	U	1.8	10.0
Zinc	9.0	U	9.0	30.0

TCLP SPLPE Leachate Blank - Batch: 460-418118

Method: 6010C
Preparation: 3010A
TCLP

Lab Sample ID: LB 460-417769/1-F ^5
Client Matrix: Solid
Dilution: 5.0
Analysis Date: 02/05/2017 1648
Prep Date: 02/04/2017 1945
Leach Date: 02/02/2017 1700

Analysis Batch: 460-418133
Prep Batch: 460-418118
Leach Batch: 460-417769
Units: ug/L

Instrument ID: ICP5
Lab File ID: 418120D1.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	21.8	U	21.8	75.0
Barium	43.2	U	43.2	1000
Cadmium	9.2	U	9.2	20.0
Chromium	16.6	U	16.6	50.0
Copper	40.3	U	40.3	125
Lead	20.4	U	20.4	50.0
Nickel	45.1	U	45.1	200
Selenium	22.2	U	22.2	100
Silver	9.0	U	9.0	50.0
Zinc	45.0	U	45.0	150

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

TCLP SPLPE Leachate Blank - Batch: 460-418118

Method: 6010C
Preparation: 3010A
TCLP

Lab Sample ID:	LB 460-417972/1-D ^5	Analysis Batch:	460-418133	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-418118	Lab File ID:	418120D1.asc
Dilution:	5.0	Leach Batch:	460-417972	Initial Weight/Volume:	50 mL
Analysis Date:	02/05/2017 1707	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	02/04/2017 1945				
Leach Date:	02/03/2017 1700				

Analyte	Result	Qual	MDL	RL
Arsenic	21.8	U	21.8	75.0
Barium	43.2	U	43.2	1000
Cadmium	9.2	U	9.2	20.0
Chromium	16.6	U	16.6	50.0
Copper	40.3	U	40.3	125
Lead	20.4	U	20.4	50.0
Nickel	45.1	U	45.1	200
Selenium	22.2	U	22.2	100
Silver	9.0	U	9.0	50.0
Zinc	45.0	U	45.0	150

Lab Control Sample - Batch: 460-418118

Method: 6010C
Preparation: 3010A

Lab Sample ID:	LCS 460-418118/2-A ^2	Analysis Batch:	460-418133	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-418118	Lab File ID:	418120D1.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	02/05/2017 1509	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	02/04/2017 1945				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	5000	4794	96	80 - 120	
Barium	10000	10260	103	80 - 120	
Cadmium	1000	1043	104	80 - 120	
Chromium	5000	4898	98	80 - 120	
Copper	1000	980.8	98	80 - 120	
Lead	5000	5096	102	80 - 120	
Nickel	1000	1069	107	80 - 120	
Selenium	1000	1014	101	80 - 120	
Silver	500	505.6	101	80 - 120	
Zinc	1000	1072	107	80 - 120	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Matrix Spike - Batch: 460-418118

Method: 6010C
Preparation: 3010A
TCLP

Lab Sample ID: 460-127756-C-8-I MS
Client Matrix: Solid
Dilution: 5.0
Analysis Date: 02/05/2017 1447
Prep Date: 02/04/2017 1945
Leach Date: 02/03/2017 1700

Analysis Batch: 460-418133
Prep Batch: 460-418118
Leach Batch: 460-417972
Units: ug/L

Instrument ID: ICP5
Lab File ID: 418120D1.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample	Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	21.8	U	5000	5060	101	75 - 125	
Barium	1660		10000	12190	105	75 - 125	
Cadmium	9.3	J	1000	1100	109	75 - 125	
Chromium	16.6	U	5000	5020	100	75 - 125	
Copper	71.3	J	1000	1081	101	75 - 125	
Lead	289		5000	5525	105	75 - 125	
Nickel	45.1	U	1000	1114	111	75 - 125	
Selenium	22.2	U	1000	1119	112	75 - 125	
Silver	9.0	U	500	528.0	106	75 - 125	
Zinc	2020		1000	3172	115	75 - 125	

Duplicate - Batch: 460-418118

Method: 6010C
Preparation: 3010A
TCLP

Lab Sample ID: 460-127756-C-8-H DU
Client Matrix: Solid
Dilution: 5.0
Analysis Date: 02/05/2017 1450
Prep Date: 02/04/2017 1945
Leach Date: 02/03/2017 1700

Analysis Batch: 460-418133
Prep Batch: 460-418118
Leach Batch: 460-417972
Units: ug/L

Instrument ID: ICP5
Lab File ID: 418120D1.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample	Result/Qual	Result	RPD	Limit	Qual
Arsenic	21.8	U	21.8	NC	20	U
Barium	1660		1680	1	20	
Cadmium	9.3	J	10.32	10	20	J
Chromium	16.6	U	16.6	NC	20	U
Copper	71.3	J	74.20	4	20	J
Lead	289		293.4	2	20	
Nickel	45.1	U	45.1	NC	20	U
Selenium	22.2	U	22.2	NC	20	U
Silver	9.0	U	9.0	NC	20	U
Zinc	2020		2057	2	20	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-417943

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 460-417943/1-A	Analysis Batch:	460-418011	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-417943	Lab File ID:	417936hg1.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	02/03/2017 1501	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	02/03/2017 1124				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.17	U	0.17	0.20

TCLP SPLPE Leachate Blank - Batch: 460-417943

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	LB 460-417769/1-C	Analysis Batch:	460-418011	Instrument ID:	LEEMAN6
Client Matrix:	Solid	Prep Batch:	460-417943	Lab File ID:	417936hg1.CSV
Dilution:	1.0	Leach Batch:	460-417769	Initial Weight/Volume:	30 mL
Analysis Date:	02/03/2017 1537	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	02/03/2017 1125				
Leach Date:	02/02/2017 1700				

Analyte	Result	Qual	MDL	RL
Mercury	0.17	U	0.17	0.20

Lab Control Sample - Batch: 460-417943

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-417943/2-A	Analysis Batch:	460-418011	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-417943	Lab File ID:	417936hg1.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	02/03/2017 1503	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	02/03/2017 1124				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.39	88	80 - 120	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Matrix Spike - Batch: 460-417943

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: 460-127673-B-1-J MS
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/03/2017 1509
Prep Date: 02/03/2017 1124
Leach Date: 02/02/2017 1700

Analysis Batch: 460-418011
Prep Batch: 460-417943
Leach Batch: 460-417769
Units: ug/L

Instrument ID: LEEMAN6
Lab File ID: 417936hg1.CSV
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.17	U	5.00	4.47	89	80 - 120	

Duplicate - Batch: 460-417943

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: 460-127673-B-1-I DU
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/03/2017 1507
Prep Date: 02/03/2017 1124
Leach Date: 02/02/2017 1700

Analysis Batch: 460-418011
Prep Batch: 460-417943
Leach Batch: 460-417769
Units: ug/L

Instrument ID: LEEMAN6
Lab File ID: 417936hg1.CSV
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.17	U	0.17	NC	20	U

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-417657

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-417657/1-A	Analysis Batch:	460-417711	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-417657	Lab File ID:	417656HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	02/02/2017 0947	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/02/2017 0517				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.011	U	0.011	0.017

LCS-Certified Reference Material - Batch: 460-417657

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-417657/2-A	Analysis Batch:	460-417711	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-417657	Lab File ID:	417656HG1.PRN
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	02/02/2017 0949	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/02/2017 0517				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	12.3	12.17	98.9	64.1 - 135.8	

Matrix Spike - Batch: 460-417657

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-127719-D-3-C MS	Analysis Batch:	460-417711	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-417657	Lab File ID:	417656HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	02/02/2017 0955	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/02/2017 0517				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.035	0.0849	0.144	129	75 - 125	N

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Duplicate - Batch: 460-417657

Method: 7471B

Preparation: 7471B

Lab Sample ID: 460-127719-D-3-B DU
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/02/2017 0953
Prep Date: 02/02/2017 0517
Leach Date: N/A

Analysis Batch: 460-417711
Prep Batch: 460-417657
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN5
Lab File ID: 417656HG1.PRN
Initial Weight/Volume: 0.64 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.035	0.0362	4	20	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Duplicate - Batch: 460-418015

Method: 1030
Preparation: N/A

Lab Sample ID:	460-127380-C-1 DU	Analysis Batch:	460-418015	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	02/03/2017 1130	Units:	mm/sec	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Burn Rate	2.20	U	2.20	NC	10	U

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-418195

Method: 7196A
Preparation: 3060A

Lab Sample ID:	MB 460-418195/1-A	Analysis Batch:	460-418276	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-418195	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	02/06/2017 1330	Units:	mg/Kg	Final Weight/Volume:	100.00 mL
Prep Date:	02/06/2017 0630				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cr (VI)	0.40	U	0.40	2.0

Lab Control Sample Insoluble - Batch: 460-418195

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSI 460-418195/3-A	Analysis Batch:	460-418276	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-418195	Lab File ID:	N/A
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	02/06/2017 1330	Units:	mg/Kg	Final Weight/Volume:	100.00 mL
Prep Date:	02/06/2017 0630				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	708	771.7	109	80 - 120	

LCS-Certified Reference Material - Batch: 460-418195

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSSRM 460-418195/2-A	Analysis Batch:	460-418276	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-418195	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	02/06/2017 1330	Units:	mg/Kg	Final Weight/Volume:	100.00 mL
Prep Date:	02/06/2017 0630				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	12.8	12.81	100.4	88.7 - 110.0	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Matrix Spike Soluble - Batch: 460-418195

Method: 7196A
Preparation: 3060A

Lab Sample ID:	460-127753-A-1-C MSS	Analysis Batch:	460-418276	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-418195	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	02/06/2017 1330	Units:	mg/Kg	Final Weight/Volume:	100.00 mL
Prep Date:	02/06/2017 0630				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	1.9 U	188	11.37	6	75 - 125	N

Matrix Spike Insoluble - Batch: 460-418195

Method: 7196A
Preparation: 3060A

Lab Sample ID:	460-127753-A-1-D MSI	Analysis Batch:	460-418276	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-418195	Lab File ID:	N/A
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	02/06/2017 1330	Units:	mg/Kg	Final Weight/Volume:	100.00 mL
Prep Date:	02/06/2017 0630				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	1.9 U	3330	1526	46	75 - 125	N

Duplicate - Batch: 460-418195

Method: 7196A
Preparation: 3060A

Lab Sample ID:	460-127753-A-1-B DU	Analysis Batch:	460-418276	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-418195	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	02/06/2017 1330	Units:	mg/Kg	Final Weight/Volume:	100.00 mL
Prep Date:	02/06/2017 0630				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cr (VI)	1.9 U	1.9	NC	20	U

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-418402

Method: 7196A
Preparation: 3060A

Lab Sample ID:	MB 460-418402/1-A	Analysis Batch:	460-418449	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-418402	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	02/07/2017 1315	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	02/07/2017 0900				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cr (VI)	0.40	U	0.40	2.0

Lab Control Sample Insoluble - Batch: 460-418402

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSI 460-418402/3-A	Analysis Batch:	460-418449	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-418402	Lab File ID:	N/A
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	02/07/2017 1315	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	02/07/2017 0900				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	708	724.4	102	80 - 120	

LCS-Certified Reference Material - Batch: 460-418402

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSSRM 460-418402/2-A	Analysis Batch:	460-418449	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-418402	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	02/07/2017 1315	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	02/07/2017 0900				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	12.8	12.11	94.9	88.7 - 110.0	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Matrix Spike Soluble - Batch: 460-418402

Method: 7196A
Preparation: 3060A

Lab Sample ID:	460-127753-A-1-G MSS	Analysis Batch:	460-418449	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-418402	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	02/07/2017 1315	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	02/07/2017 0900				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	1.9 U	188	8.24	4	75 - 125	J N

Matrix Spike Insoluble - Batch: 460-418402

Method: 7196A
Preparation: 3060A

Lab Sample ID:	460-127753-A-1-H MSI	Analysis Batch:	460-418449	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-418402	Lab File ID:	N/A
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	02/07/2017 1315	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	02/07/2017 0900				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	1.9 U	3330	1942	58	75 - 125	N

Duplicate - Batch: 460-418402

Method: 7196A
Preparation: 3060A

Lab Sample ID:	460-127753-A-1-F DU	Analysis Batch:	460-418449	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-418402	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	02/07/2017 1315	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	02/07/2017 0900				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cr (VI)	1.9 U	1.9	NC	20	U

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-417787

Method: 9012B

Preparation: 9012B

Lab Sample ID: MB 460-417787/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/03/2017 1132
Prep Date: 02/02/2017 1559
Leach Date: N/A

Analysis Batch: 460-418014
Prep Batch: 460-417787
Leach Batch: N/A
Units: mg/Kg

Instrument ID: Lachat3
Lab File ID: OM_2-3-2017_11-21-01
Initial Weight/Volume: 0.50 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.027	U	0.027	0.10

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Low Level Control Sample - Batch: 460-417787

Method: 9012B

Preparation: 9012B

Lab Sample ID: LLCS 460-417787/2-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 02/03/2017 1133
 Prep Date: 02/02/2017 1559
 Leach Date: N/A

Analysis Batch: 460-418014
 Prep Batch: 460-417787
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: Lachat3
 Lab File ID: OM_2-3-2017_11-21-01
 Initial Weight/Volume: 0.50 g
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	1.00	0.941	94	90 - 110	

High Level Control Sample - Batch: 460-417787

Method: 9012B

Preparation: 9012B

Lab Sample ID: HLCS 460-417787/3-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 02/03/2017 1133
 Prep Date: 02/02/2017 1559
 Leach Date: N/A

Analysis Batch: 460-418014
 Prep Batch: 460-417787
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: Lachat3
 Lab File ID: OM_2-3-2017_11-21-01
 Initial Weight/Volume: 0.50 g
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	2.00	1.89	95	90 - 110	

LCS-Certified Reference Material - Batch: 460-417787

Method: 9012B

Preparation: 9012B

Lab Sample ID: LCSSRM 460-417787/4-A
 Client Matrix: Solid
 Dilution: 10
 Analysis Date: 02/03/2017 1134
 Prep Date: 02/02/2017 1559
 Leach Date: N/A

Analysis Batch: 460-418014
 Prep Batch: 460-417787
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: Lachat3
 Lab File ID: OM_2-3-2017_11-21-01
 Initial Weight/Volume: 0.50 g
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	78.3	18.60	23.8	14.4 - 132.8	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-417787

Method: 9012B
Preparation: 9012B

MS Lab Sample ID: 460-127507-E-1-B MS	Analysis Batch: 460-418014	Instrument ID: Lachat3
Client Matrix: Solid	Prep Batch: 460-417787	Lab File ID: OM_2-3-2017_11-21-01
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 0.50 g
Analysis Date: 02/03/2017 1136		Final Weight/Volume: 5 mL
Prep Date: 02/02/2017 1559		
Leach Date: N/A		

MSD Lab Sample ID: 460-127507-E-1-C MSD	Analysis Batch: 460-418014	Instrument ID: Lachat3
Client Matrix: Solid	Prep Batch: 460-417787	Lab File ID: OM_2-3-2017_11-21-01
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 0.50 g
Analysis Date: 02/03/2017 1137		Final Weight/Volume: 5 mL
Prep Date: 02/02/2017 1559		
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Cyanide, Total	91	91	47 - 118	0	35		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-418285

Method: 9014
Preparation: 7.3.3

Lab Sample ID:	MB 460-418285/1-A	Analysis Batch:	460-418287	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	460-418285	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	02/06/2017 1624	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/06/2017 1100				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Cyanide, Reactive	25.0	U	25.0	25.0

Lab Control Sample - Batch: 460-418285

Method: 9014
Preparation: 7.3.3

Lab Sample ID:	LCS 460-418285/2-A	Analysis Batch:	460-418287	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	460-418285	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	02/06/2017 1624	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/06/2017 1100				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Reactive	40.0	25.0	12	10 - 100	U

Duplicate - Batch: 460-418285

Method: 9014
Preparation: 7.3.3

Lab Sample ID:	460-127541-A-1-Z DU	Analysis Batch:	460-418287	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	460-418285	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	02/06/2017 1624	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/06/2017 1100				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cyanide, Reactive	25.0 U	25.0	NC	10	U

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-418283

Method: 9034
Preparation: 7.3.4

Lab Sample ID:	MB 460-418283/1-A	Analysis Batch:	460-418286	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	460-418283	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	02/06/2017 1619	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/06/2017 1100				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Sulfide, Reactive	20.0	U	20.0	20.0

LCS-Certified Reference Material - Batch: 460-418283

Method: 9034
Preparation: 7.3.4

Lab Sample ID:	LCSSRM 460-418283/3-A	Analysis Batch:	460-418286	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	460-418283	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	02/06/2017 1619	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/06/2017 1100				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfide, Reactive	47.8	42.13	88.1	50.4 - 133.1	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-418283

Method: 9034
Preparation: 7.3.4

MS Lab Sample ID:	180-63078-I-1-B MS	Analysis Batch:	460-418286	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	460-418283	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	02/06/2017 1619			Final Weight/Volume:	50 mL
Prep Date:	02/06/2017 1100				
Leach Date:	N/A				

MSD Lab Sample ID:	180-63078-I-1-C MSD	Analysis Batch:	460-418286	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	460-418283	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	02/06/2017 1619			Final Weight/Volume:	50 mL
Prep Date:	02/06/2017 1100				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Sulfide, Reactive	85	81	27 - 110	6	22		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Method Blank - Batch: 460-417995

Method: 9045D
Preparation: N/A

Lab Sample ID:	MB 460-417995/2	Analysis Batch:	460-417995	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	02/03/2017 1352	Units:	SU	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	NONE	NONE
pH	6.4			
Corrosivity	6.4			

LCS-Certified Reference Material - Batch: 460-417995

Method: 9045D
Preparation: N/A

Lab Sample ID:	LCSSRM 460-417995/3	Analysis Batch:	460-417995	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	02/03/2017 1355	Units:	SU	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	6.06	6.0	99.7	98.2 - 102.0	
Corrosivity	6.06	6.0	99.7	98.2 - 102.0	

Duplicate - Batch: 460-417995

Method: 9045D
Preparation: N/A

Lab Sample ID:	460-127317-K-1 DU	Analysis Batch:	460-417995	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 g
Analysis Date:	02/03/2017 1401	Units:	SU	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	9.7	9.7	0.2	10	
Corrosivity	9.7	9.7	0.2	10	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Duplicate - Batch: 460-418281

Method: 9095B
Preparation: N/A

Lab Sample ID:	460-127663-C-1 DU	Analysis Batch:	460-418281	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	02/06/2017 1100	Units:	mL/100g	Final Weight/Volume:	100 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Free Liquid	0.500	U	0.500	NC	10	U

Quality Control Results

Client: AKRF Inc

Job Number: 460-127729-1

Duplicate - Batch: 460-417716

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-127677-B-1 DU	Analysis Batch:	460-417716	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	02/02/2017 1110	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	20.9	21.8	4	20	
Percent Solids	79.1	78.2	1	20	

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

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1

LAB USE ONLY

Project No.:

Job No:

177

Sample

Numbers

[illegible]

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TAL - 001

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12729

	RAW	CORRECTED	RAW	CORRECTED	RAW	CORRECTED		
Cooler #1:	28.0 °C	28.0 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

[illegible]

If pH adjustments are required record the information below:

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*The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.
* Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

COOLER RECEIPT FORM



460-127729 Chain of Custody

Cooler Received/Opened On 2/3/2017 @ 1020

Time Samples Removed From Cooler 1130 Time Samples Placed In Storage 1200 (2 Hour Window)

1. Tracking # 3232 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 17960353 pH Strip Lot HC 663124 Chlorine Strip Lot 08UB1C

2. Temperature of rep. sample or temp blank when opened: 0.3 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES 2/3/17 YES...NO...NA

If yes, how many and where: _____

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) HCG

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) PN

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used? YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) PN

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) PN

I certify that I attached a label with the unique LIMS number to each container (initial) PN

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES...NO...# _____

Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

Loc: 460

127729



TestAmerica

THE LEADER IS FOLLOWING THE FLOCK

Client Information (Sub Contract Lab)					
Lab PM:		Haas, Melissa		COC No:	460-47664.1
Phone:		E-Mail:		Page:	Page 1 of 1
melissa.haas@testamericainc.com				State of Origin:	New York
Accreditations Required (See note):		NELAP - New York		Job #:	460-127729-1
Due Date Requested: 2/8/2017		Analysis Requested		Preservation Codes:	
TAT Requested (days):				A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify) Other:	
PO #:		Field Filtered Sample (Yes or No)		Total Number of Containers	
WO #:		Perform MS/MSD (Yes or No)			
Project #:		6010C/3061A Target Analyte List + Sulfur			
SSOW#:					
Sample Date		Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, B=Tissue, A=air)	Special Instructions/Note:
2/1/17	11:00 Eastern	Solid	X	X	1
Sample Identification - Client ID (Lab ID)					
CE-WC-1 (460-127729-1)					
Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the TestAmerica Laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.					
Possible Hazard Identification					
Unconfirmed					
Deliverable Requested: I, II, III, IV, Other (specify)					
Primary Deliverable Rank: 1					
Date:					
Empty Kit Relinquished by:					
Relinquished by:					
Relinquished by:					
Relinquished by:					
Custody Seal No.: Δ Yes Δ No					

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Ohio listed above for analysis/testing/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by:

Relinquished by:

1

Relinquished by:

Date:

Date/Time:

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Date/Time:

Company

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Company

ne:

Received by:

Received by.

Method of Shipment:

Date/Time:

Date/Time

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Company:

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Company

Custody Seals Intact:	Custody Seal No.:
-----------------------	-------------------

☐ Yes ☐ No

oler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-127729-1

Login Number: 127729

List Source: TestAmerica Edison

List Number: 1

Creator: Wisnewski, Kelly R

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5°C, IR#8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-127729-1

Login Number: 127729

List Number: 2

Creator: Ngo, Phiet

List Source: TestAmerica Nashville

List Creation: 02/03/17 11:58 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 460-127730-1

Job Description: Flushing Industrial Park

For:
AKRF Inc
34 South Broadway
Suite 314
White Plains, NY 10601
Attention: Stephen Grens



Approved for release.
Allison L. Bennett
Project Management Assistant II
2/7/2017 3:01 PM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
02/07/2017

cc: Kate Brunner
Ms. Neoma Chefalo
Mr. Stephen Schmidt

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

TestAmerica Laboratories, Inc.

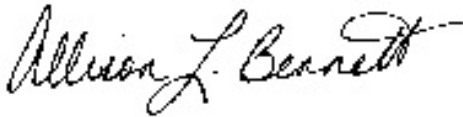
TestAmerica Edison 777 New Durham Road, Edison, NJ 08817
Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com



Job Number: 460-127730-1

Job Description: Flushing Industrial Park

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

A handwritten signature in cursive script, reading "Allison L. Bennett". The signature is written in dark ink and is positioned above a horizontal line.

Approved for release.
Allison L. Bennett
Project Management Assistant II
2/7/2017 3:01 PM

Designee for
Melissa Haas

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CASE NARRATIVE

Client: AKRF Inc

Project: Flushing Industrial Park

Report Number: 460-127730-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The sample was received on 2/1/2017 4:00 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5° C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Acetone was detected in method blank MB 460-417855/7 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample CE-SP1-RMZB (460-127730-1) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260C. The samples were prepared on 02/02/2017 and analyzed on 02/03/2017.

No difficulties were encountered during the volatiles analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample CE-SP1-RMZB (460-127730-1) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 02/02/2017 and analyzed on 02/03/2017.

The continuing calibration verification (CCV) analyzed in batch 460-417837 was outside the method criteria for the following analyte(s): 3,3'-Dichlorobenzidine and 2,4,6-Tribromophenol (Surr). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for five analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 460-417710 had three analytes (Bis(2-chloroethyl)ether, Indeno[1,2,3-cd]pyrene and N-Nitrosodi-n-propylamine) outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

The surrogate recovery for the laboratories control sample (LCS) associated with preparation batch 460-417710 and analytical batch 460-417837 were outside the upper control limits. Sample has been qualified and reported. LCS 460-417710/2-A.

The surrogate recoveries for the laboratory control sample (LCS) associated with preparation batch 460-417710 and analytical batch 460-417837 were outside the upper control limits. Sample has been qualified and reported. LCS 460-417710/3-A.

Several analytes failed the recovery criteria low for the MS/MSD of sample 460-127477-3 in batch 460-417837. 4,6-Dinitro-2-methylphenol and Pentachlorophenol exceeded the RPD limit.

Refer to the QC report for details.

Sample CE-SP1-RMZB (460-127730-1)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES

Sample CE-SP1-RMZB (460-127730-1) was analyzed for pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 02/02/2017 and analyzed on 02/03/2017.

Internal standard (ISTD) response for the following MS exceeded the control limit on primary Column: (460-127507-E-1-G MS). As such, the sample results associated with this ISTD were reported from the other column, which met ISTD acceptance criteria.

DCB Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria low for 460-127507-E-1-G MS.

Several analytes exceeded the RPD limit for the MSD of sample 460-127507-1 in batch 460-418193.

Refer to the QC report for details.

No other difficulties were encountered during the pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Sample CE-SP1-RMZB (460-127730-1) was analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 02/02/2017 and analyzed on 02/03/2017.

The surrogate recovery for MS was outside control limits but surrogate recovery for sample and MSD were within control limits, sample was none detected. Data has been reported. (460-127507-E-1-D MS)

Aroclor 1016 and Aroclor 1260 failed the recovery criteria high for the MS of sample 460-127507-1 in batch 460-417975.

Aroclor 1016 exceeded the RPD limit for the MSD of sample 460-127507-1 in batch 460-417975.

Refer to the QC report for details.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

METALS

Sample CE-SP1-RMZB (460-127730-1) was analyzed for metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared on 02/02/2017 and analyzed on 02/05/2017.

Several analytes failed the recovery criteria high for the MS of sample 460-127697-2 in batch 460-418133.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Sample CE-SP1-RMZB (460-127730-1)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

MERCURY

Sample CE-SP1-RMZB (460-127730-1) was analyzed for mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 02/02/2017.

Mercury failed the recovery criteria high for the MS of sample 460-127719-3 in batch 460-417711.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the Hg analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Sample CE-SP1-RMZB (460-127730-1) was analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 02/02/2017.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-127730-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-127730-1	CE-SP1-RMZB					
2-Butanone (MEK)		2.1	J	5.2	ug/Kg	8260C
Acetone		14	B	5.2	ug/Kg	8260C
Methylene Chloride		1.2		1.0	ug/Kg	8260C
1,1'-Biphenyl		110	J	750	ug/Kg	8270D
2-Methylnaphthalene		250	J	750	ug/Kg	8270D
Acenaphthene		720	J	750	ug/Kg	8270D
Acenaphthylene		89	J	750	ug/Kg	8270D
Acetophenone		26	J	750	ug/Kg	8270D
Anthracene		1600		750	ug/Kg	8270D
Benzo[a]anthracene		2900		75	ug/Kg	8270D
Benzo[a]pyrene		2400		75	ug/Kg	8270D
Benzo[b]fluoranthene		2600		75	ug/Kg	8270D
Benzo[g,h,i]perylene		1800		750	ug/Kg	8270D
Benzo[k]fluoranthene		990		75	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate		110	J	750	ug/Kg	8270D
Carbazole		490	J	750	ug/Kg	8270D
Chrysene		2800		750	ug/Kg	8270D
Dibenz(a,h)anthracene		570		75	ug/Kg	8270D
Dibenzofuran		530	J	750	ug/Kg	8270D
Fluoranthene		6600		750	ug/Kg	8270D
Fluorene		970		750	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		2300	*	75	ug/Kg	8270D
Naphthalene		520	J	750	ug/Kg	8270D
Phenanthrene		6700		750	ug/Kg	8270D
Phenol		57	J	750	ug/Kg	8270D
Pyrene		4900		750	ug/Kg	8270D
Aroclor 1260		450		76	ug/Kg	8082A
Polychlorinated biphenyls, Total		450		76	ug/Kg	8082A
Aluminum		8450		35.3	mg/Kg	6010C
Arsenic		5.9		2.7	mg/Kg	6010C
Barium		93.6		35.3	mg/Kg	6010C
Beryllium		0.56		0.35	mg/Kg	6010C
Calcium		23900		884	mg/Kg	6010C
Chromium		19.7		1.8	mg/Kg	6010C
Cobalt		6.5	J	8.8	mg/Kg	6010C
Copper		40.4		4.4	mg/Kg	6010C
Iron		17300		26.5	mg/Kg	6010C
Lead		63.5		1.8	mg/Kg	6010C
Magnesium		7480		884	mg/Kg	6010C
Manganese		255		2.7	mg/Kg	6010C
Nickel		18.8		7.1	mg/Kg	6010C
Potassium		2150		884	mg/Kg	6010C
Sodium		669	J	884	mg/Kg	6010C
Vanadium		36.3		8.8	mg/Kg	6010C
Zinc		87.6		5.3	mg/Kg	6010C
Mercury		0.25		0.019	mg/Kg	7471B

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-127730-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Percent Moisture		12.3		1.0	%	Moisture
Percent Solids		87.7		1.0	%	Moisture

METHOD SUMMARY

Client: AKRF Inc

Job Number: 460-127730-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Closed System Purge and Trap	TAL EDI		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270D	
Microwave Extraction	TAL EDI		SW846 3546
Organochlorine Pesticides (GC)	TAL EDI	SW846 8081B	
Microwave Extraction	TAL EDI		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL EDI	SW846 8082A	
Microwave Extraction	TAL EDI		SW846 3546
Metals (ICP)	TAL EDI	SW846 6010C	
Preparation, Metals	TAL EDI		SW846 3050B
Mercury (CVAA)	TAL EDI	SW846 7471B	
Preparation, Mercury	TAL EDI		SW846 7471B
Percent Moisture	TAL EDI	EPA Moisture	

Lab References:

TAL EDI = TestAmerica Edison

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AKRF Inc

Job Number: 460-127730-1

Method	Analyst	Analyst ID
SW846 8260C	Boykin, Kenneth	KLB
SW846 8270D	Boykin, Carol B	CBB
SW846 8081B	Kapoor, Sita	SAK
SW846 8082A	Patel, Jignesh	JHP
SW846 6010C	Chang, Churn Der	CDC
SW846 7471B	Staib, Thomas	TJS
EPA Moisture	Villadarez, Gerson Timothy S	GTSV

SAMPLE SUMMARY

Client: AKRF Inc

Job Number: 460-127730-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-127730-1	CE-SP1-RMZB	Solid	02/01/2017 1145	02/01/2017 1600

SAMPLE RESULTS

Analytical Data

Client: AKRF Inc

Job Number: 460-127730-1

Client Sample ID: CE-SP1-RMZB

Lab Sample ID: 460-127730-1

Date Sampled: 02/01/2017 1145

Client Matrix: Solid

% Moisture: 12.3

Date Received: 02/01/2017 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-417855

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-417672

Lab File ID: K63738.D

Dilution: 1.0

Initial Weight/Volume: 5.51 g

Analysis Date: 02/03/2017 0439

Final Weight/Volume: 5 mL

Prep Date: 02/02/2017 0709

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.39	U	0.39	1.0
1,1,2,2-Tetrachloroethane		0.18	U	0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane		0.46	U	0.46	1.0
1,1,2-Trichloroethane		0.29	U	0.29	1.0
1,1-Dichloroethane		0.35	U	0.35	1.0
1,1-Dichloroethene		0.42	U	0.42	1.0
1,2,3-Trichlorobenzene		0.11	U	0.11	1.0
1,2,4-Trichlorobenzene		0.33	U	0.33	1.0
1,2-Dibromo-3-Chloropropane		0.49	U	0.49	1.0
1,2-Dichlorobenzene		0.14	U	0.14	1.0
1,2-Dichloroethane		0.11	U	0.11	1.0
1,2-Dichloropropane		0.18	U	0.18	1.0
1,3-Dichlorobenzene		0.12	U	0.12	1.0
1,4-Dichlorobenzene		0.13	U	0.13	1.0
1,4-Dioxane		6.6	U	6.6	21
2-Butanone (MEK)		2.1	J	0.80	5.2
2-Hexanone		0.97	U	0.97	5.2
4-Methyl-2-pentanone (MIBK)		2.3	U	2.3	5.2
Acetone		14	B	1.1	5.2
Benzene		0.21	U	0.21	1.0
Bromoform		0.13	U	0.13	1.0
Bromomethane		0.33	U	0.33	1.0
Carbon disulfide		0.44	U	0.44	1.0
Carbon tetrachloride		0.44	U	0.44	1.0
Chlorobenzene		0.14	U	0.14	1.0
Chlorobromomethane		0.18	U	0.18	1.0
Chlorodibromomethane		0.16	U	0.16	1.0
Chloroethane		0.36	U	0.36	1.0
Chloroform		0.22	U	0.22	1.0
Chloromethane		0.39	U	0.39	1.0
cis-1,2-Dichloroethene		0.23	U	0.23	1.0
cis-1,3-Dichloropropene		0.16	U	0.16	1.0
Cyclohexane		0.48	U	0.48	1.0
Dichlorobromomethane		0.39	U	0.39	1.0
Dichlorodifluoromethane		0.33	U	0.33	1.0
Ethylbenzene		0.19	U	0.19	1.0
Ethylene Dibromide		0.12	U	0.12	1.0
Isopropylbenzene		0.18	U	0.18	1.0
Methyl acetate		0.93	U	0.93	5.2
Methyl tert-butyl ether		0.18	U	0.18	1.0
Methylcyclohexane		0.52	U	0.52	1.0
Methylene Chloride		1.2		0.33	1.0
m-Xylene & p-Xylene		0.11	U	0.11	1.0
o-Xylene		0.17	U	0.17	1.0
Styrene		0.16	U	0.16	1.0
Tetrachloroethene		0.29	U	0.29	1.0

Analytical Data

Client: AKRF Inc

Job Number: 460-127730-1

Client Sample ID: CE-SP1-RMZB

Lab Sample ID: 460-127730-1

Client Matrix: Solid

% Moisture: 12.3

Date Sampled: 02/01/2017 1145

Date Received: 02/01/2017 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-417855

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-417672

Lab File ID: K63738.D

Dilution: 1.0

Initial Weight/Volume: 5.51 g

Analysis Date: 02/03/2017 0439

Final Weight/Volume: 5 mL

Prep Date: 02/02/2017 0709

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Toluene		0.20	U	0.20	1.0
trans-1,2-Dichloroethene		0.40	U	0.40	1.0
trans-1,3-Dichloropropene		0.10	U	0.10	1.0
Trichloroethene		0.27	U	0.27	1.0
Trichlorofluoromethane		0.35	U	0.35	1.0
Vinyl chloride		0.40	U	0.40	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		78 - 135
4-Bromofluorobenzene	97		67 - 126
Dibromofluoromethane (Surr)	97		61 - 149
Toluene-d8 (Surr)	100		73 - 121

Analytical Data

Client: AKRF Inc

Job Number: 460-127730-1

Client Sample ID: CE-SP1-RMZB

Lab Sample ID: 460-127730-1

Client Matrix: Solid

% Moisture: 12.3

Date Sampled: 02/01/2017 1145

Date Received: 02/01/2017 1600

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-417837

Instrument ID: CBNAMS5

Prep Method: 3546

Prep Batch: 460-417710

Lab File ID: x225440.D

Dilution: 2.0

Initial Weight/Volume: 15.0289 g

Analysis Date: 02/03/2017 0557

Final Weight/Volume: 1 mL

Prep Date: 02/02/2017 1028

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		110	J	64	750
1,2,4,5-Tetrachlorobenzene		56	U	56	750
2,2'-oxybis[1-chloropropane]		31	U	31	750
2,3,4,6-Tetrachlorophenol		71	U	71	750
2,4,5-Trichlorophenol		75	U	75	750
2,4,6-Trichlorophenol		21	U	21	300
2,4-Dichlorophenol		18	U	18	300
2,4-Dimethylphenol		170	U	170	750
2,4-Dinitrophenol		570	U	570	610
2,4-Dinitrotoluene		30	U	30	150
2,6-Dinitrotoluene		40	U	40	150
2-Chloronaphthalene		17	U	17	750
2-Chlorophenol		19	U	19	750
2-Methylnaphthalene		250	J	17	750
2-Methylphenol		33	U	33	750
2-Nitroaniline		25	U	25	750
2-Nitrophenol		25	U	25	750
3,3'-Dichlorobenzidine		84	U	84	300
3-Nitroaniline		22	U	22	750
4,6-Dinitro-2-methylphenol		200	U	200	610
4-Bromophenyl phenyl ether		24	U	24	750
4-Chloro-3-methylphenol		32	U	32	750
4-Chloroaniline		19	U	19	750
4-Chlorophenyl phenyl ether		23	U	23	750
4-Methylphenol		20	U	20	750
4-Nitroaniline		28	U	28	750
4-Nitrophenol		360	U	360	1500
Acenaphthene		720	J	18	750
Acenaphthylene		89	J	19	750
Acetophenone		26	J	16	750
Anthracene		1600		71	750
Atrazine		33	U	33	300
Benzaldehyde		57	U	57	750
Benzo[a]anthracene		2900		63	75
Benzo[a]pyrene		2400		23	75
Benzo[b]fluoranthene		2600		29	75
Benzo[g,h,i]perylene		1800		43	750
Benzo[k]fluoranthene		990		33	75
Bis(2-chloroethoxy)methane		23	U	23	750
Bis(2-chloroethyl)ether		18	U *	18	75
Bis(2-ethylhexyl) phthalate		110	J	29	750
Butyl benzyl phthalate		23	U	23	750
Caprolactam		54	U	54	750
Carbazole		490	J	19	750
Chrysene		2800		20	750
Dibenz(a,h)anthracene		570		39	75

Analytical Data

Client: AKRF Inc

Job Number: 460-127730-1

Client Sample ID: CE-SP1-RMZB

Lab Sample ID: 460-127730-1

Client Matrix: Solid

% Moisture: 12.3

Date Sampled: 02/01/2017 1145

Date Received: 02/01/2017 1600

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-417837

Instrument ID: CBNAMS5

Prep Method: 3546

Prep Batch: 460-417710

Lab File ID: x225440.D

Dilution: 2.0

Initial Weight/Volume: 15.0289 g

Analysis Date: 02/03/2017 0557

Final Weight/Volume: 1 mL

Prep Date: 02/02/2017 1028

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		530	J	23	750
Diethyl phthalate		21	U	21	750
Dimethyl phthalate		22	U	22	750
Di-n-butyl phthalate		23	U	23	750
Di-n-octyl phthalate		38	U	38	750
Fluoranthene		6600		22	750
Fluorene		970		16	750
Hexachlorobenzene		30	U	30	75
Hexachlorobutadiene		21	U	21	150
Hexachlorocyclopentadiene		47	U	47	750
Hexachloroethane		28	U	28	75
Indeno[1,2,3-cd]pyrene		2300	*	50	75
Isophorone		16	U	16	300
Naphthalene		520	J	19	750
Nitrobenzene		24	U	24	75
N-Nitrosodi-n-propylamine		25	U *	25	75
N-Nitrosodiphenylamine		68	U	68	750
Pentachlorophenol		91	U	91	610
Phenanthrene		6700		20	750
Phenol		57	J	25	750
Pyrene		4900		34	750
Surrogate		%Rec	Qualifier	Acceptance Limits	
2,4,6-Tribromophenol (Surr)		62		10 - 103	
2-Fluorobiphenyl		76		38 - 95	
2-Fluorophenol (Surr)		56		25 - 92	
Nitrobenzene-d5 (Surr)		67		37 - 94	
Phenol-d5 (Surr)		63		32 - 91	
Terphenyl-d14 (Surr)		68		24 - 109	

Analytical Data

Client: AKRF Inc

Job Number: 460-127730-1

Client Sample ID: CE-SP1-RMZB

Lab Sample ID: 460-127730-1

Date Sampled: 02/01/2017 1145

Client Matrix: Solid

% Moisture: 12.3

Date Received: 02/01/2017 1600

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-417932

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-417830

Initial Weight/Volume: 15.0114 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 02/03/2017 2010

Injection Volume: 1 uL

Prep Date: 02/02/2017 2158

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		1.0	U	1.0	7.6
4,4'-DDE		1.1	U	1.1	7.6
4,4'-DDT		0.79	U	0.79	7.6
Aldrin		0.92	U	0.92	7.6
alpha-BHC		0.69	U	0.69	2.3
beta-BHC		0.74	U	0.74	2.3
Chlordane (technical)		34	U	34	76
delta-BHC		0.83	U	0.83	2.3
Dieldrin		0.99	U	0.99	2.3
Endosulfan I		1.1	U	1.1	7.6
Endosulfan II		1.2	U	1.2	7.6
Endosulfan sulfate		0.89	U	0.89	7.6
Endrin		0.97	U	0.97	7.6
Endrin aldehyde		0.95	U	0.95	7.6
Endrin ketone		1.1	U	1.1	7.6
gamma-BHC (Lindane)		0.68	U	0.68	2.3
Heptachlor		0.98	U	0.98	7.6
Heptachlor epoxide		1.5	U	1.5	7.6
Methoxychlor		1.6	U	1.6	7.6
Toxaphene		22	U	22	76

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	121		50 - 150
Tetrachloro-m-xylene	138		47 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-127730-1

Client Sample ID: CE-SP1-RMZB

Lab Sample ID: 460-127730-1

Date Sampled: 02/01/2017 1145

Client Matrix: Solid

% Moisture: 12.3

Date Received: 02/01/2017 1600

8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-417932

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-417830

Initial Weight/Volume: 15.0114 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 02/03/2017 2010

Injection Volume: 1 uL

Prep Date: 02/02/2017 2158

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	120		50 - 150
Tetrachloro-m-xylene	126		47 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-127730-1

Client Sample ID: CE-SP1-RMZB

Lab Sample ID: 460-127730-1

Date Sampled: 02/01/2017 1145

Client Matrix: Solid

% Moisture: 12.3

Date Received: 02/01/2017 1600

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-417975

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-417826

Initial Weight/Volume: 15.0114 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 02/03/2017 2113

Injection Volume: 1 uL

Prep Date: 02/02/2017 2054

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		10	U	10	76
Aroclor 1221		10	U	10	76
Aroclor 1232		10	U	10	76
Aroclor 1242		10	U	10	76
Aroclor 1248		10	U	10	76
Aroclor 1254		10	U	10	76
Aroclor 1260		450		10	76
Aroclor 1268		10	U	10	76
Aroclor-1262		10	U	10	76
Polychlorinated biphenyls, Total		450		10	76

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	125		35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-127730-1

Client Sample ID: CE-SP1-RMZB

Lab Sample ID: 460-127730-1

Date Sampled: 02/01/2017 1145

Client Matrix: Solid

% Moisture: 12.3

Date Received: 02/01/2017 1600

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-417975

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-417826

Initial Weight/Volume: 15.0114 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 02/03/2017 2113

Injection Volume: 1 uL

Prep Date: 02/02/2017 2054

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	116		35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-127730-1

Client Sample ID: CE-SP1-RMZB

Lab Sample ID: 460-127730-1

Date Sampled: 02/01/2017 1145

Client Matrix: Solid

% Moisture: 12.3

Date Received: 02/01/2017 1600

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-418133

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-417854

Lab File ID: 418120D1.asc

Dilution: 4.0

Initial Weight/Volume: 1.29 g

Analysis Date: 02/05/2017 1848

Final Weight/Volume: 50 mL

Prep Date: 02/02/2017 2130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8450		18.2	35.3
Antimony		1.4	U	1.4	3.5
Arsenic		5.9		0.87	2.7
Barium		93.6		1.3	35.3
Beryllium		0.56		0.30	0.35
Cadmium		0.37	U	0.37	0.71
Calcium		23900		52.3	884
Chromium		19.7		0.85	1.8
Cobalt		6.5	J	1.0	8.8
Copper		40.4		1.1	4.4
Iron		17300		20.0	26.5
Lead		63.5		0.69	1.8
Magnesium		7480		44.1	884
Manganese		255		0.93	2.7
Nickel		18.8		1.3	7.1
Potassium		2150		26.8	884
Selenium		1.2	U	1.2	3.5
Silver		0.31	U	0.31	1.8
Sodium		669	J	59.8	884
Thallium		1.6	U	1.6	3.5
Vanadium		36.3		0.88	8.8
Zinc		87.6		1.3	5.3

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-417711

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-417657

Lab File ID: 417656HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.60 g

Analysis Date: 02/02/2017 1005

Final Weight/Volume: 50 mL

Prep Date: 02/02/2017 0517

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.25		0.013	0.019

Analytical Data

Client: AKRF Inc

Job Number: 460-127730-1

General Chemistry

Client Sample ID: CE-SP1-RMZB

Lab Sample ID: 460-127730-1

Client Matrix: Solid

Date Sampled: 02/01/2017 1145

Date Received: 02/01/2017 1600

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-417707	Analysis Date: 02/02/2017	1001				DryWt Corrected: N
Percent Solids	87.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-417707	Analysis Date: 02/02/2017	1001				DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: AKRF Inc

Job Number: 460-127730-1

Lab Section	Qualifier	Description
GC/MS VOA	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	B	The analyte was found in an associated blank, as well as in the sample.
GC/MS Semi VOA	U	Analyzed for but not detected.
	*	Duplicate RPD exceeds control limits
	J	Indicates an estimated value.
	*	LCS or LCSD is outside acceptance limits.
	*	MS or MSD is outside acceptance limits.
	*	Surrogate is outside acceptance limits.
GC Semi VOA	U	Analyzed for but not detected.
	E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
	*	Duplicate RPD exceeds control limits
	J	Indicates an estimated value.
	*	MS or MSD is outside acceptance limits.
	*	Surrogate is outside acceptance limits.
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
Metals	U	Indicates analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	J	Sample result is greater than the MDL but below the CRDL
	N	Spiked sample recovery is not within control limits.

QUALITY CONTROL RESULTS

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-417672					
LB3 460-417672/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	5035	
460-127730-1	CE-SP1-RMZB	T	Solid	5035	
Analysis Batch:460-417855					
LCS 460-417855/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-417855/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-417855/7	Method Blank	T	Solid	8260C	
LB3 460-417672/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	8260C	460-417672
460-127730-1	CE-SP1-RMZB	T	Solid	8260C	460-417672

Report Basis

T = Total

GC/MS Semi VOA

Prep Batch: 460-417710					
LCS 460-417710/2-A	Lab Control Sample	T	Solid	3546	
LCS 460-417710/3-A	Lab Control Sample	T	Solid	3546	
MB 460-417710/1-A	Method Blank	T	Solid	3546	
460-127477-E-3-A MS	Matrix Spike	T	Solid	3546	
460-127477-E-3-B MSD	Matrix Spike Duplicate	T	Solid	3546	
460-127730-1	CE-SP1-RMZB	T	Solid	3546	
Analysis Batch:460-417837					
LCS 460-417710/2-A	Lab Control Sample	T	Solid	8270D	460-417710
LCS 460-417710/3-A	Lab Control Sample	T	Solid	8270D	460-417710
MB 460-417710/1-A	Method Blank	T	Solid	8270D	460-417710
460-127477-E-3-A MS	Matrix Spike	T	Solid	8270D	460-417710
460-127477-E-3-B MSD	Matrix Spike Duplicate	T	Solid	8270D	460-417710
460-127730-1	CE-SP1-RMZB	T	Solid	8270D	460-417710

Report Basis

T = Total

TestAmerica Edison

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-417826					
LCS 460-417826/2-A	Lab Control Sample	T	Solid	3546	
MB 460-417826/1-A	Method Blank	T	Solid	3546	
460-127507-E-1-D MS	Matrix Spike	T	Solid	3546	
460-127507-E-1-E MSD	Matrix Spike Duplicate	T	Solid	3546	
460-127730-1	CE-SP1-RMZB	T	Solid	3546	
Prep Batch: 460-417830					
LCS 460-417830/2-A	Lab Control Sample	T	Solid	3546	
MB 460-417830/1-A	Method Blank	T	Solid	3546	
460-127507-E-1-G MS	Matrix Spike	T	Solid	3546	
460-127507-E-1-H MSD	Matrix Spike Duplicate	T	Solid	3546	
460-127730-1	CE-SP1-RMZB	T	Solid	3546	
Analysis Batch:460-417932					
460-127730-1	CE-SP1-RMZB	T	Solid	8081B	460-417830
Analysis Batch:460-417975					
LCS 460-417826/2-A	Lab Control Sample	T	Solid	8082A	460-417826
MB 460-417826/1-A	Method Blank	T	Solid	8082A	460-417826
460-127507-E-1-D MS	Matrix Spike	T	Solid	8082A	460-417826
460-127507-E-1-E MSD	Matrix Spike Duplicate	T	Solid	8082A	460-417826
460-127730-1	CE-SP1-RMZB	T	Solid	8082A	460-417826
Analysis Batch:460-418193					
LCS 460-417830/2-A	Lab Control Sample	T	Solid	8081B	460-417830
MB 460-417830/1-A	Method Blank	T	Solid	8081B	460-417830
460-127507-E-1-G MS	Matrix Spike	T	Solid	8081B	460-417830
460-127507-E-1-H MSD	Matrix Spike Duplicate	T	Solid	8081B	460-417830

Report Basis

T = Total

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-417657					
LCSSRM 460-417657/2-A ^20	LCS-Certified Reference Material	T	Solid	7471B	
MB 460-417657/1-A	Method Blank	T	Solid	7471B	
460-127719-D-3-B DU	Duplicate	T	Solid	7471B	
460-127719-D-3-C MS	Matrix Spike	T	Solid	7471B	
460-127730-1	CE-SP1-RMZB	T	Solid	7471B	
Analysis Batch:460-417711					
LCSSRM 460-417657/2-A ^20	LCS-Certified Reference Material	T	Solid	7471B	460-417657
MB 460-417657/1-A	Method Blank	T	Solid	7471B	460-417657
460-127719-D-3-B DU	Duplicate	T	Solid	7471B	460-417657
460-127719-D-3-C MS	Matrix Spike	T	Solid	7471B	460-417657
460-127730-1	CE-SP1-RMZB	T	Solid	7471B	460-417657
Prep Batch: 460-417854					
LCSSRM 460-417854/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-417854/1-A ^2	Method Blank	T	Solid	3050B	
460-127697-A-2-G DU	Duplicate	T	Solid	3050B	
460-127697-A-2-H MS	Matrix Spike	T	Solid	3050B	
460-127730-1	CE-SP1-RMZB	T	Solid	3050B	
Analysis Batch:460-418133					
LCSSRM 460-417854/2-A ^4	LCS-Certified Reference Material	T	Solid	6010C	460-417854
MB 460-417854/1-A ^2	Method Blank	T	Solid	6010C	460-417854
460-127697-A-2-G DU	Duplicate	T	Solid	6010C	460-417854
460-127697-A-2-H MS	Matrix Spike	T	Solid	6010C	460-417854
460-127730-1	CE-SP1-RMZB	T	Solid	6010C	460-417854

Report Basis

T = Total

General Chemistry

Analysis Batch:460-417707

460-127719-D-6 DU	Duplicate	T	Solid	Moisture
460-127730-1	CE-SP1-RMZB	T	Solid	Moisture

Report Basis

T = Total

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
460-127730-1	CE-SP1-RMZB	99	97	97	100
MB 460-417855/7		100	107	100	107
LB3 460-417672/1-A		100	103	99	105
LCS 460-417855/3		98	102	96	105
LCSD 460-417855/4		100	104	98	109

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	78-135
BFB = 4-Bromofluorobenzene	67-126
DBFM = Dibromofluoromethane (Surr)	61-149
TOL = Toluene-d8 (Surr)	73-121

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPHL %Rec
460-127730-1	CE-SP1-RMZB	62	76	56	67	63	68
MB 460-417710/1-A		82	79	61	75	59	71
LCS 460-417710/2-A		137*	102*	93*	111*	103*	120*
LCS 460-417710/3-A		129*	92	84	103*	94*	104
460-127477-E-3-A MS		94	82	70	88	82	90
460-127477-E-3-B MSD		86	76	64	81	74	85

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	10-103
FBP = 2-Fluorobiphenyl	38-95
2FP = 2-Fluorophenol (Surr)	25-92
NBZ = Nitrobenzene-d5 (Surr)	37-94
PHL = Phenol-d5 (Surr)	32-91
TPHL = Terphenyl-d14 (Surr)	24-109

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCBP1 %Rec	DCBP2 %Rec	TCX1 %Rec	TCX2 %Rec
460-127730-1	CE-SP1-RMZB	121	120	138	126
MB 460-417830/1-A		119	111	127	122
LCS 460-417830/2-A		133	120	144	134
460-127507-E-1-G MS		2* p	142	2* p	125
460-127507-E-1-H MSD		122	117	135	132

Surrogate	Acceptance Limits
DCBP = DCB Decachlorobiphenyl	50-150
TCX = Tetrachloro-m-xylene	47-150

Client: AKRF Inc

Job Number: 460-127730-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCBP1 %Rec	DCBP2 %Rec
460-127730-1	CE-SP1-RMZB	116	125
MB 460-417826/1-A		139	134
LCS 460-417826/2-A		141	139
460-127507-E-1-D MS		170*	166*
460-127507-E-1-E MSD		141	144

Surrogate	Acceptance Limits
DCBP = DCB Decachlorobiphenyl	35-150

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Neutral Leach or MeOH Extraction Blank - Batch: 460-417672

Method: 8260C

Preparation: 5035

Lab Sample ID: LB3 460-417672/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/03/2017 0320
Prep Date: 02/02/2017 0708
Leach Date: N/A

Analysis Batch: 460-417855
Prep Batch: 460-417672
Leach Batch: N/A
Units: ug/Kg

Instrument ID: CVOAMS9
Lab File ID: K63735.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.38	U	0.38	1.0
1,1,2,2-Tetrachloroethane	0.17	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.44	U	0.44	1.0
1,1,2-Trichloroethane	0.28	U	0.28	1.0
1,1-Dichloroethane	0.34	U	0.34	1.0
1,1-Dichloroethene	0.41	U	0.41	1.0
1,2,3-Trichlorobenzene	0.11	U	0.11	1.0
1,2,4-Trichlorobenzene	0.32	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
1,2-Dichlorobenzene	0.14	U	0.14	1.0
1,2-Dichloroethane	0.11	U	0.11	1.0
1,2-Dichloropropane	0.17	U	0.17	1.0
1,3-Dichlorobenzene	0.12	U	0.12	1.0
1,4-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dioxane	6.4	U	6.4	20
2-Butanone (MEK)	0.77	U	0.77	5.0
2-Hexanone	0.94	U	0.94	5.0
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	5.0
Acetone	1.1	U	1.1	5.0
Benzene	0.20	U	0.20	1.0
Bromoform	0.13	U	0.13	1.0
Bromomethane	0.32	U	0.32	1.0
Carbon disulfide	0.43	U	0.43	1.0
Carbon tetrachloride	0.43	U	0.43	1.0
Chlorobenzene	0.14	U	0.14	1.0
Chlorobromomethane	0.17	U	0.17	1.0
Chlorodibromomethane	0.15	U	0.15	1.0
Chloroethane	0.35	U	0.35	1.0
Chloroform	0.21	U	0.21	1.0
Chloromethane	0.38	U	0.38	1.0
cis-1,2-Dichloroethene	0.22	U	0.22	1.0
cis-1,3-Dichloropropene	0.15	U	0.15	1.0
Cyclohexane	0.46	U	0.46	1.0
Dichlorobromomethane	0.38	U	0.38	1.0
Dichlorodifluoromethane	0.32	U	0.32	1.0
Ethylbenzene	0.18	U	0.18	1.0
Ethylene Dibromide	0.12	U	0.12	1.0
Isopropylbenzene	0.17	U	0.17	1.0
Methyl acetate	0.90	U	0.90	5.0
Methyl tert-butyl ether	0.17	U	0.17	1.0
Methylcyclohexane	0.50	U	0.50	1.0
Methylene Chloride	0.32	U	0.32	1.0
m-Xylene & p-Xylene	0.11	U	0.11	1.0
o-Xylene	0.16	U	0.16	1.0
Styrene	0.15	U	0.15	1.0

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Neutral Leach or MeOH Extraction Blank - Batch: 460-417672

Method: 8260C
Preparation: 5035

Lab Sample ID:	LB3 460-417672/1-A	Analysis Batch:	460-417855	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	460-417672	Lab File ID:	K63735.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	02/03/2017 0320	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	02/02/2017 0708				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.19	U	0.19	1.0
trans-1,2-Dichloroethene	0.39	U	0.39	1.0
trans-1,3-Dichloropropene	0.10	U	0.10	1.0
Trichloroethene	0.26	U	0.26	1.0
Trichlorofluoromethane	0.34	U	0.34	1.0
Vinyl chloride	0.39	U	0.39	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	78 - 135
4-Bromofluorobenzene	103	67 - 126
Dibromofluoromethane (Surr)	99	61 - 149
Toluene-d8 (Surr)	105	73 - 121

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Method Blank - Batch: 460-417855

Method: 8260C Preparation: N/A

Lab Sample ID: MB 460-417855/7
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/03/2017 0254
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 460-417855
Prep Batch: N/A
Leach Batch: N/A
Units: ug/Kg

Instrument ID: CVOAMS9
Lab File ID: K63734.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.38	U	0.38	1.0
1,1,2,2-Tetrachloroethane	0.17	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.44	U	0.44	1.0
1,1,2-Trichloroethane	0.28	U	0.28	1.0
1,1-Dichloroethane	0.34	U	0.34	1.0
1,1-Dichloroethene	0.41	U	0.41	1.0
1,2,3-Trichlorobenzene	0.11	U	0.11	1.0
1,2,4-Trichlorobenzene	0.32	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
1,2-Dichlorobenzene	0.14	U	0.14	1.0
1,2-Dichloroethane	0.11	U	0.11	1.0
1,2-Dichloropropane	0.17	U	0.17	1.0
1,3-Dichlorobenzene	0.12	U	0.12	1.0
1,4-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dioxane	6.4	U	6.4	20
2-Butanone (MEK)	0.77	U	0.77	5.0
2-Hexanone	0.94	U	0.94	5.0
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	5.0
Acetone	2.10	J	1.1	5.0
Benzene	0.20	U	0.20	1.0
Bromoform	0.13	U	0.13	1.0
Bromomethane	0.32	U	0.32	1.0
Carbon disulfide	0.43	U	0.43	1.0
Carbon tetrachloride	0.43	U	0.43	1.0
Chlorobenzene	0.14	U	0.14	1.0
Chlorobromomethane	0.17	U	0.17	1.0
Chlorodibromomethane	0.15	U	0.15	1.0
Chloroethane	0.35	U	0.35	1.0
Chloroform	0.21	U	0.21	1.0
Chloromethane	0.38	U	0.38	1.0
cis-1,2-Dichloroethene	0.22	U	0.22	1.0
cis-1,3-Dichloropropene	0.15	U	0.15	1.0
Cyclohexane	0.46	U	0.46	1.0
Dichlorobromomethane	0.38	U	0.38	1.0
Dichlorodifluoromethane	0.32	U	0.32	1.0
Ethylbenzene	0.18	U	0.18	1.0
Ethylene Dibromide	0.12	U	0.12	1.0
Isopropylbenzene	0.17	U	0.17	1.0
Methyl acetate	0.90	U	0.90	5.0
Methyl tert-butyl ether	0.17	U	0.17	1.0
Methylcyclohexane	0.50	U	0.50	1.0
Methylene Chloride	0.32	U	0.32	1.0
m-Xylene & p-Xylene	0.11	U	0.11	1.0
o-Xylene	0.16	U	0.16	1.0
Styrene	0.15	U	0.15	1.0

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Method Blank - Batch: 460-417855

Method: 8260C
Preparation: N/A

Lab Sample ID: MB 460-417855/7
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/03/2017 0254
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 460-417855
Prep Batch: N/A
Leach Batch: N/A
Units: ug/Kg

Instrument ID: CVOAMS9
Lab File ID: K63734.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.19	U	0.19	1.0
trans-1,2-Dichloroethene	0.39	U	0.39	1.0
trans-1,3-Dichloropropene	0.10	U	0.10	1.0
Trichloroethene	0.26	U	0.26	1.0
Trichlorofluoromethane	0.34	U	0.34	1.0
Vinyl chloride	0.39	U	0.39	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	78 - 135
4-Bromofluorobenzene	107	67 - 126
Dibromofluoromethane (Surr)	100	61 - 149
Toluene-d8 (Surr)	107	73 - 121

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-417855

Method: 8260C

Preparation: N/A

LCS Lab Sample ID: LCS 460-417855/3	Analysis Batch: 460-417855	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K63730.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 02/03/2017 0101	Units: ug/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-417855/4	Analysis Batch: 460-417855	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K63731.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 02/03/2017 0127	Units: ug/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1-Trichloroethane	96	93	80 - 125	3	30		
1,1,2,2-Tetrachloroethane	101	101	72 - 131	0	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	97	94	78 - 132	3	30		
1,1,2-Trichloroethane	103	103	76 - 124	0	30		
1,1-Dichloroethane	96	93	80 - 124	3	30		
1,1-Dichloroethene	96	95	79 - 132	1	30		
1,2,3-Trichlorobenzene	101	97	75 - 123	3	30		
1,2,4-Trichlorobenzene	101	96	74 - 124	5	30		
1,2-Dibromo-3-Chloropropane	109	106	65 - 129	3	30		
1,2-Dichlorobenzene	101	97	80 - 121	5	30		
1,2-Dichloroethane	97	95	68 - 120	1	30		
1,2-Dichloropropane	97	94	77 - 124	3	30		
1,3-Dichlorobenzene	102	97	79 - 124	6	30		
1,4-Dichlorobenzene	101	96	79 - 121	5	30		
1,4-Dioxane	107	98	67 - 150	9	30		
2-Butanone (MEK)	81	79	61 - 140	3	30		
2-Hexanone	90	87	78 - 120	3	30		
4-Methyl-2-pentanone (MIBK)	95	93	80 - 120	3	30		
Acetone	86	86	75 - 120	1	30		
Benzene	106	106	75 - 127	0	30		
Bromoform	101	101	19 - 150	0	30		
Bromomethane	92	95	59 - 136	2	30		
Carbon disulfide	97	93	74 - 130	4	30		
Carbon tetrachloride	100	96	77 - 138	4	30		
Chlorobenzene	102	99	80 - 120	3	30		
Chlorobromomethane	91	91	80 - 125	0	30		
Chlorodibromomethane	98	98	67 - 143	0	30		
Chloroethane	97	102	50 - 139	5	30		
Chloroform	96	94	80 - 122	2	30		
Chloromethane	97	101	66 - 128	4	30		
cis-1,2-Dichloroethene	91	89	80 - 123	2	30		
cis-1,3-Dichloropropene	102	99	75 - 124	3	30		
Cyclohexane	103	99	67 - 135	4	30		
Dichlorobromomethane	95	91	76 - 129	4	30		
Dichlorodifluoromethane	92	98	72 - 127	6	30		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-417855

Method: 8260C

Preparation: N/A

LCS Lab Sample ID: LCS 460-417855/3	Analysis Batch: 460-417855	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K63730.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 02/03/2017 0101	Units: ug/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-417855/4	Analysis Batch: 460-417855	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K63731.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 02/03/2017 0127	Units: ug/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Ethylbenzene	104	101	79 - 124	3	30		
Ethylene Dibromide	98	98	80 - 122	0	30		
Isopropylbenzene	108	105	80 - 125	3	30		
Methyl acetate	97	99	73 - 123	2	30		
Methyl tert-butyl ether	90	88	80 - 120	2	30		
Methylcyclohexane	97	95	71 - 137	2	30		
Methylene Chloride	90	88	79 - 128	2	30		
m-Xylene & p-Xylene	106	101	79 - 121	4	30		
o-Xylene	103	103	79 - 123	0	30		
Styrene	102	99	78 - 123	3	30		
Tetrachloroethene	101	100	73 - 130	2	30		
Toluene	104	102	75 - 122	2	30		
trans-1,2-Dichloroethene	95	92	80 - 129	4	30		
trans-1,3-Dichloropropene	104	101	72 - 121	3	30		
Trichloroethene	95	93	79 - 122	2	30		
Trichlorofluoromethane	99	102	68 - 136	3	30		
Vinyl chloride	101	103	70 - 134	2	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	100	78 - 135
4-Bromofluorobenzene	102	104	67 - 126
Dibromofluoromethane (Surr)	96	98	61 - 149
Toluene-d8 (Surr)	105	109	73 - 121

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Method Blank - Batch: 460-417710

Method: 8270D Preparation: 3546

Lab Sample ID: MB 460-417710/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/03/2017 0946
Prep Date: 02/02/2017 1028
Leach Date: N/A

Analysis Batch: 460-417837
Prep Batch: 460-417710
Leach Batch: N/A
Units: ug/Kg

Instrument ID: CBNAMS5
Lab File ID: x225450.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	28	U	28	330
1,2,4,5-Tetrachlorobenzene	25	U	25	330
2,2'-oxybis[1-chloropropane]	14	U	14	330
2,3,4,6-Tetrachlorophenol	31	U	31	330
2,4,5-Trichlorophenol	33	U	33	330
2,4,6-Trichlorophenol	9.4	U	9.4	130
2,4-Dichlorophenol	7.8	U	7.8	130
2,4-Dimethylphenol	73	U	73	330
2,4-Dinitrophenol	250	U	250	270
2,4-Dinitrotoluene	13	U	13	67
2,6-Dinitrotoluene	18	U	18	67
2-Chloronaphthalene	7.5	U	7.5	330
2-Chlorophenol	8.4	U	8.4	330
2-Methylnaphthalene	7.3	U	7.3	330
2-Methylphenol	14	U	14	330
2-Nitroaniline	11	U	11	330
2-Nitrophenol	11	U	11	330
3,3'-Dichlorobenzidine	37	U	37	130
3-Nitroaniline	9.8	U	9.8	330
4,6-Dinitro-2-methylphenol	88	U	88	270
4-Bromophenyl phenyl ether	10	U	10	330
4-Chloro-3-methylphenol	14	U	14	330
4-Chloroaniline	8.5	U	8.5	330
4-Chlorophenyl phenyl ether	9.9	U	9.9	330
4-Methylphenol	9.0	U	9.0	330
4-Nitroaniline	13	U	13	330
4-Nitrophenol	160	U	160	670
Acenaphthene	8.0	U	8.0	330
Acenaphthylene	8.5	U	8.5	330
Acetophenone	7.2	U	7.2	330
Anthracene	31	U	31	330
Atrazine	15	U	15	130
Benzaldehyde	25	U	25	330
Benzo[a]anthracene	28	U	28	33
Benzo[a]pyrene	10	U	10	33
Benzo[b]fluoranthene	13	U	13	33
Benzo[g,h,i]perylene	19	U	19	330
Benzo[k]fluoranthene	14	U	14	33
Bis(2-chloroethoxy)methane	10	U	10	330
Bis(2-chloroethyl)ether	7.8	U	7.8	33
Bis(2-ethylhexyl) phthalate	13	U	13	330
Butyl benzyl phthalate	10	U	10	330
Caprolactam	24	U	24	330
Carbazole	8.2	U	8.2	330
Chrysene	9.0	U	9.0	330

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Method Blank - Batch: 460-417710

Method: 8270D Preparation: 3546

Lab Sample ID:	MB 460-417710/1-A	Analysis Batch:	460-417837	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-417710	Lab File ID:	x225450.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/03/2017 0946	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/02/2017 1028			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	17	U	17	33
Dibenzofuran	10	U	10	330
Diethyl phthalate	9.4	U	9.4	330
Dimethyl phthalate	9.6	U	9.6	330
Di-n-butyl phthalate	9.9	U	9.9	330
Di-n-octyl phthalate	17	U	17	330
Fluoranthene	9.8	U	9.8	330
Fluorene	7.2	U	7.2	330
Hexachlorobenzene	13	U	13	33
Hexachlorobutadiene	9.3	U	9.3	67
Hexachlorocyclopentadiene	21	U	21	330
Hexachloroethane	12	U	12	33
Indeno[1,2,3-cd]pyrene	22	U	22	33
Isophorone	7.1	U	7.1	130
Naphthalene	8.4	U	8.4	330
Nitrobenzene	10	U	10	33
N-Nitrosodi-n-propylamine	11	U	11	33
N-Nitrosodiphenylamine	30	U	30	330
Pentachlorophenol	40	U	40	270
Phenanthrene	8.8	U	8.8	330
Phenol	11	U	11	330
Pyrene	15	U	15	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	82	10 - 103
2-Fluorobiphenyl	79	38 - 95
2-Fluorophenol (Surr)	61	25 - 92
Nitrobenzene-d5 (Surr)	75	37 - 94
Phenol-d5 (Surr)	59	32 - 91
Terphenyl-d14 (Surr)	71	24 - 109

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Lab Control Sample - Batch: 460-417710

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-417710/2-A	Analysis Batch:	460-417837	Instrument ID:	CBNAM5
Client Matrix:	Solid	Prep Batch:	460-417710	Lab File ID:	x225426.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/03/2017 0037	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/02/2017 1028			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	3330	3230	97	64 - 108	
1,2,4,5-Tetrachlorobenzene	3330	3210	96	57 - 112	
2,2'-oxybis[1-chloropropane]	3330	3870	116	39 - 122	
2,3,4,6-Tetrachlorophenol	3330	3690	111	60 - 114	
2,4,5-Trichlorophenol	3330	3300	99	60 - 106	
2,4,6-Trichlorophenol	3330	3410	102	62 - 110	
2,4-Dichlorophenol	3330	3120	94	61 - 103	
2,4-Dimethylphenol	3330	3050	91	63 - 101	
2,4-Dinitrophenol	6670	8040	121	56 - 122	
2,4-Dinitrotoluene	3330	3930	118	66 - 122	
2,6-Dinitrotoluene	3330	3640	109	70 - 114	
2-Chloronaphthalene	3330	3210	96	63 - 107	
2-Chlorophenol	3330	2930	88	62 - 97	
2-Methylnaphthalene	3330	3100	93	65 - 104	
2-Methylphenol	3330	3260	98	61 - 103	
2-Nitroaniline	3330	3800	114	57 - 114	
2-Nitrophenol	3330	3070	92	65 - 104	
3,3'-Dichlorobenzidine	3330	2180	66	18 - 88	
3-Nitroaniline	3330	2340	70	30 - 94	
4,6-Dinitro-2-methylphenol	6670	6360	95	67 - 120	
4-Bromophenyl phenyl ether	3330	3310	99	59 - 122	
4-Chloro-3-methylphenol	3330	3550	106	62 - 111	
4-Chloroaniline	3330	2050	62	18 - 94	
4-Chlorophenyl phenyl ether	3330	3490	105	66 - 110	
4-Methylphenol	3330	3130	94	61 - 105	
4-Nitroaniline	3330	3260	98	49 - 118	
4-Nitrophenol	6670	8690	130	43 - 141	
Acenaphthene	3330	3070	92	62 - 108	
Acenaphthylene	3330	3350	101	67 - 107	
Acetophenone	3330	3450	103	60 - 109	
Anthracene	3330	3170	95	69 - 111	
Benzo[a]anthracene	3330	3630	109	68 - 110	
Benzo[a]pyrene	3330	3600	108	72 - 115	
Benzo[b]fluoranthene	3330	3770	113	69 - 119	
Benzo[g,h,i]perylene	3330	3350	100	54 - 128	
Benzo[k]fluoranthene	3330	3440	103	70 - 115	
Bis(2-chloroethoxy)methane	3330	3300	99	65 - 106	
Bis(2-chloroethyl)ether	3330	3540	106	64 - 105	*
Bis(2-ethylhexyl) phthalate	3330	3770	113	63 - 125	
Butyl benzyl phthalate	3330	3580	107	65 - 125	
Carbazole	3330	3230	97	66 - 115	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Lab Control Sample - Batch: 460-417710

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-417710/2-A	Analysis Batch:	460-417837	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-417710	Lab File ID:	x225426.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/03/2017 0037	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/02/2017 1028			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chrysene	3330	3610	108	70 - 111	
Dibenz(a,h)anthracene	3330	3870	116	60 - 130	
Dibenzofuran	3330	3410	102	67 - 107	
Diethyl phthalate	3330	3670	110	66 - 117	
Dimethyl phthalate	3330	3520	106	68 - 112	
Di-n-butyl phthalate	3330	3270	98	67 - 119	
Di-n-octyl phthalate	3330	3940	118	57 - 138	
Fluoranthene	3330	3530	106	64 - 114	
Fluorene	3330	3420	102	66 - 110	
Hexachlorobenzene	3330	3620	109	57 - 128	
Hexachlorobutadiene	3330	3010	90	60 - 108	
Hexachlorocyclopentadiene	3330	3060	92	50 - 129	
Hexachloroethane	3330	3120	94	63 - 99	
Indeno[1,2,3-cd]pyrene	3330	4920	148	53 - 137	*
Isophorone	3330	3570	107	68 - 111	
Naphthalene	3330	2980	90	65 - 102	
Nitrobenzene	3330	3340	100	66 - 108	
N-Nitrosodi-n-propylamine	3330	4050	122	63 - 117	*
N-Nitrosodiphenylamine	3330	3060	92	65 - 114	
Pentachlorophenol	6670	6530	98	56 - 116	
Phenanthrene	3330	3170	95	68 - 111	
Phenol	3330	3330	100	58 - 103	
Pyrene	3330	3420	103	64 - 121	

Surrogate	% Rec		Acceptance Limits
2,4,6-Tribromophenol (Surr)	137	*	10 - 103
2-Fluorobiphenyl	102	*	38 - 95
2-Fluorophenol (Surr)	93	*	25 - 92
Nitrobenzene-d5 (Surr)	111	*	37 - 94
Phenol-d5 (Surr)	103	*	32 - 91
Terphenyl-d14 (Surr)	120	*	24 - 109

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Lab Control Sample - Batch: 460-417710

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-417710/3-A	Analysis Batch:	460-417837	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-417710	Lab File ID:	x225427.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/03/2017 0100	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	02/02/2017 1028			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Atrazine	6670	6430	96	62 - 137	
Benzaldehyde	6670	6180	93	52 - 113	
Caprolactam	6670	7500	113	53 - 148	
Surrogate	% Rec		Acceptance Limits		
2,4,6-Tribromophenol (Surr)	129	*	10 - 103		
2-Fluorobiphenyl	92		38 - 95		
2-Fluorophenol (Surr)	84		25 - 92		
Nitrobenzene-d5 (Surr)	103	*	37 - 94		
Phenol-d5 (Surr)	94	*	32 - 91		
Terphenyl-d14 (Surr)	104		24 - 109		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-417710

Method: 8270D
Preparation: 3546

MS Lab Sample ID: 460-127477-E-3-A MS	Analysis Batch: 460-417837	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-417710	Lab File ID: x225429.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0145 g
Analysis Date: 02/03/2017 0146		Final Weight/Volume: 1 mL
Prep Date: 02/02/2017 1028		Injection Volume: 1 uL
Leach Date: N/A		

MSD Lab Sample ID: 460-127477-E-3-B MSD	Analysis Batch: 460-417837	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-417710	Lab File ID: x225430.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0201 g
Analysis Date: 02/03/2017 0209		Final Weight/Volume: 1 mL
Prep Date: 02/02/2017 1028		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1'-Biphenyl	77	73	64 - 108	5	30		
1,2,4,5-Tetrachlorobenzene	76	71	57 - 112	8	30		
2,2'-oxybis[1-chloropropane]	89	83	39 - 122	8	30		
2,3,4,6-Tetrachlorophenol	58	51	60 - 114	13	30	*	*
2,4,5-Trichlorophenol	60	57	60 - 106	4	30		*
2,4,6-Trichlorophenol	70	63	62 - 110	10	30		
2,4-Dichlorophenol	67	64	61 - 103	6	30		
2,4-Dimethylphenol	72	68	63 - 101	6	30		
2,4-Dinitrophenol	8	0	56 - 122	NC	30	*	U *
2,4-Dinitrotoluene	102	96	66 - 122	5	30		
2,6-Dinitrotoluene	90	85	70 - 114	6	30		
2-Chloronaphthalene	76	72	63 - 107	6	30		
2-Chlorophenol	67	62	62 - 97	8	30		
2-Methylnaphthalene	78	73	65 - 104	7	30		
2-Methylphenol	76	72	61 - 103	6	30		
2-Nitroaniline	95	89	57 - 114	6	30		
2-Nitrophenol	55	48	65 - 104	14	30	*	*
3,3'-Dichlorobenzidine	73	71	18 - 88	3	30		
3-Nitroaniline	72	70	30 - 94	3	30		
4,6-Dinitro-2-methylphenol	18	9	67 - 120	73	30	*	*
4-Bromophenyl phenyl ether	74	72	59 - 122	3	30		
4-Chloro-3-methylphenol	87	84	62 - 111	4	30		
4-Chloroaniline	48	49	18 - 94	0	30		
4-Chlorophenyl phenyl ether	87	85	66 - 110	2	30		
4-Methylphenol	73	70	61 - 105	5	30		
4-Nitroaniline	86	79	49 - 118	9	30		
4-Nitrophenol	85	76	43 - 141	11	30		
Acenaphthene	75	73	62 - 108	2	30		
Acenaphthylene	80	76	67 - 107	5	30		
Acetophenone	81	75	60 - 109	8	30		
Anthracene	75	74	69 - 111	2	30		
Atrazine	84	79	62 - 137	7	30		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-417710

Method: 8270D
Preparation: 3546

MS Lab Sample ID: 460-127477-E-3-A MS	Analysis Batch: 460-417837	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-417710	Lab File ID: x225429.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0145 g
Analysis Date: 02/03/2017 0146		Final Weight/Volume: 1 mL
Prep Date: 02/02/2017 1028		Injection Volume: 1 uL
Leach Date: N/A		

MSD Lab Sample ID: 460-127477-E-3-B MSD	Analysis Batch: 460-417837	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-417710	Lab File ID: x225430.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0201 g
Analysis Date: 02/03/2017 0209		Final Weight/Volume: 1 mL
Prep Date: 02/02/2017 1028		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzaldehyde	59	53	52 - 113	10	30		
Benzo[a]anthracene	83	82	68 - 110	2	30		
Benzo[a]pyrene	78	79	72 - 115	2	30		
Benzo[b]fluoranthene	85	86	69 - 119	1	30		
Benzo[g,h,i]perylene	71	72	54 - 128	2	30		
Benzo[k]fluoranthene	73	71	70 - 115	2	30		
Bis(2-chloroethoxy)methane	79	75	65 - 106	6	30		
Bis(2-chloroethyl)ether	71	69	64 - 105	4	30		
Bis(2-ethylhexyl) phthalate	84	82	63 - 125	2	30		
Butyl benzyl phthalate	82	79	65 - 125	3	30		
Caprolactam	36	30	53 - 148	17	30	*	*
Carbazole	76	76	66 - 115	0	30		
Chrysene	83	80	70 - 111	3	30		
Dibenz(a,h)anthracene	85	86	60 - 130	1	30		
Dibenzofuran	86	82	67 - 107	5	30		
Diethyl phthalate	93	89	66 - 117	4	30		
Dimethyl phthalate	87	83	68 - 112	4	30		
Di-n-butyl phthalate	81	78	67 - 119	4	30		
Di-n-octyl phthalate	81	81	57 - 138	0	30		
Fluoranthene	83	85	64 - 114	2	30		
Fluorene	86	84	66 - 110	2	30		
Hexachlorobenzene	82	80	57 - 128	3	30		
Hexachlorobutadiene	73	68	60 - 108	8	30		
Hexachlorocyclopentadiene	38	35	50 - 129	10	30	*	*
Hexachloroethane	68	63	63 - 99	7	30		
Indeno[1,2,3-cd]pyrene	108	108	53 - 137	0	30		
Isophorone	87	81	68 - 111	7	30		
Naphthalene	72	68	65 - 102	7	30		
Nitrobenzene	76	72	66 - 108	5	30		
N-Nitrosodi-n-propylamine	97	90	63 - 117	7	30		
N-Nitrosodiphenylamine	70	68	65 - 114	3	30		
Pentachlorophenol	27	17	56 - 116	49	30	*	*

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-417710

Method: 8270D
Preparation: 3546

MS Lab Sample ID: 460-127477-E-3-A MS	Analysis Batch: 460-417837	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-417710	Lab File ID: x225429.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0145 g
Analysis Date: 02/03/2017 0146		Final Weight/Volume: 1 mL
Prep Date: 02/02/2017 1028		Injection Volume: 1 uL
Leach Date: N/A		

MSD Lab Sample ID: 460-127477-E-3-B MSD	Analysis Batch: 460-417837	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-417710	Lab File ID: x225430.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0201 g
Analysis Date: 02/03/2017 0209		Final Weight/Volume: 1 mL
Prep Date: 02/02/2017 1028		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Phenanthrene	75	74	68 - 111	1	30		
Phenol	77	73	58 - 103	5	30		
Pyrene	76	72	64 - 121	5	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
2,4,6-Tribromophenol (Surr)	94		86	10 - 103			
2-Fluorobiphenyl	82		76	38 - 95			
2-Fluorophenol (Surr)	70		64	25 - 92			
Nitrobenzene-d5 (Surr)	88		81	37 - 94			
Phenol-d5 (Surr)	82		74	32 - 91			
Terphenyl-d14 (Surr)	90		85	24 - 109			

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Method Blank - Batch: 460-417830

Method: 8081B Preparation: 3546

Lab Sample ID:	MB 460-417830/1-A	Analysis Batch:	460-418193	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-417830	Lab File ID:	P4201426.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/06/2017 1058	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/02/2017 2158			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	0.88	U	0.88	6.7
4,4'-DDE	0.97	U	0.97	6.7
4,4'-DDT	0.69	U	0.69	6.7
Aldrin	0.81	U	0.81	6.7
alpha-BHC	0.61	U	0.61	2.0
beta-BHC	0.65	U	0.65	2.0
Chlordane (technical)	30	U	30	67
delta-BHC	0.73	U	0.73	2.0
Dieldrin	0.87	U	0.87	2.0
Endosulfan I	0.93	U	0.93	6.7
Endosulfan II	1.1	U	1.1	6.7
Endosulfan sulfate	0.78	U	0.78	6.7
Endrin	0.85	U	0.85	6.7
Endrin aldehyde	0.83	U	0.83	6.7
Endrin ketone	0.93	U	0.93	6.7
gamma-BHC (Lindane)	0.60	U	0.60	2.0
Heptachlor	0.86	U	0.86	6.7
Heptachlor epoxide	1.3	U	1.3	6.7
Methoxychlor	1.4	U	1.4	6.7
Toxaphene	20	U	20	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	119	50 - 150
Tetrachloro-m-xylene	127	47 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	111	50 - 150
Tetrachloro-m-xylene	122	47 - 150

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Lab Control Sample - Batch: 460-417830

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-417830/2-A	Analysis Batch:	460-418193	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-417830	Lab File ID:	P4201427.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/06/2017 1112	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/02/2017 2158			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	133	167	125	64 - 129	
4,4'-DDE	133	158	119	65 - 129	
4,4'-DDT	133	143	107	59 - 124	
Aldrin	133	160	120	66 - 127	
alpha-BHC	133	163	122	69 - 131	
beta-BHC	133	162	122	69 - 127	
delta-BHC	133	163	122	64 - 129	
Dieldrin	133	160	120	65 - 128	
Endosulfan I	133	165	124	66 - 126	
Endosulfan II	133	156	117	64 - 124	
Endosulfan sulfate	133	157	118	62 - 123	
Endrin	133	145	109	58 - 126	
Endrin aldehyde	133	162	121	69 - 131	
Endrin ketone	133	167	125	62 - 125	
gamma-BHC (Lindane)	133	156	117	67 - 126	
Heptachlor	133	153	115	63 - 125	
Heptachlor epoxide	133	156	117	64 - 125	
Methoxychlor	133	136	102	56 - 123	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	133		50 - 150		
Tetrachloro-m-xylene	144		47 - 150		

Lab Control Sample - Batch: 460-417830

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-417830/2-A	Analysis Batch:	460-418193	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-417830	Lab File ID:	P4201427.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/06/2017 1112	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/02/2017 2158			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	133	148	111	64 - 129	
4,4'-DDE	133	141	106	65 - 129	
4,4'-DDT	133	136	102	59 - 124	
Aldrin	133	145	109	66 - 127	
alpha-BHC	133	146	110	69 - 131	
beta-BHC	133	148	111	69 - 127	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Lab Control Sample - Batch: 460-417830

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-417830/2-A	Analysis Batch:	460-418193	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-417830	Lab File ID:	P4201427.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/06/2017 1112	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/02/2017 2158			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
delta-BHC	133	142	107	64 - 129	
Dieldrin	133	142	106	65 - 128	
Endosulfan I	133	141	106	66 - 126	
Endosulfan II	133	141	106	64 - 124	
Endosulfan sulfate	133	142	106	62 - 123	
Endrin	133	130	97	58 - 126	
Endrin aldehyde	133	145	109	69 - 131	
Endrin ketone	133	150	113	62 - 125	
gamma-BHC (Lindane)	133	142	107	67 - 126	
Heptachlor	133	143	107	63 - 125	
Heptachlor epoxide	133	139	104	64 - 125	
Methoxychlor	133	130	97	56 - 123	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	120		50 - 150		
Tetrachloro-m-xylene	134		47 - 150		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-417830

Method: 8081B
Preparation: 3546

MS Lab Sample ID: 460-127507-E-1-G MS	Analysis Batch: 460-418193	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-417830	Lab File ID: P4201428.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0106 g
Analysis Date: 02/06/2017 1124		Final Weight/Volume: 10 mL
Prep Date: 02/02/2017 2158		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

MSD Lab Sample ID: 460-127507-E-1-H MSD	Analysis Batch: 460-418193	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-417830	Lab File ID: P4201429.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0110 g
Analysis Date: 02/06/2017 1138		Final Weight/Volume: 10 mL
Prep Date: 02/02/2017 2158		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	115	114	64 - 129	194	30		*
4,4'-DDE	109	109	65 - 129	194	30		*
4,4'-DDT	106	98	59 - 124	194	30		*
Aldrin	103	109	66 - 127	194	30		*
alpha-BHC	101	110	69 - 131	194	30		*
beta-BHC	119	110	69 - 127	194	30		*
delta-BHC	101	111	64 - 129	194	30		*
Dieldrin	110	109	65 - 128	194	30		*
Endosulfan I	113	111	66 - 126	194	30		*
Endosulfan II	111	106	64 - 124	194	30		*
Endosulfan sulfate	110	106	62 - 123	194	30		*
Endrin	101	100	58 - 126	194	30		*
Endrin aldehyde	112	107	69 - 131	193	30		*
Endrin ketone	117	112	62 - 125	194	30		*
gamma-BHC (Lindane)	100	106	67 - 126	194	30		*
Heptachlor	105	105	63 - 125	194	30		*
Heptachlor epoxide	107	106	64 - 125	194	30		*
Methoxychlor	105	95	56 - 123	194	30		*
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	2	* p	122	50 - 150			
Tetrachloro-m-xylene	2	* p	135	47 - 150			

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-417830

Method: 8081B
Preparation: 3546

MS Lab Sample ID: 460-127507-E-1-G MS	Analysis Batch: 460-418193	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-417830	Lab File ID: P4201428.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0106 g
Analysis Date: 02/06/2017 1124		Final Weight/Volume: 10 mL
Prep Date: 02/02/2017 2158		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

MSD Lab Sample ID: 460-127507-E-1-H MSD	Analysis Batch: 460-418193	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-417830	Lab File ID: P4201429.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0110 g
Analysis Date: 02/06/2017 1138		Final Weight/Volume: 10 mL
Prep Date: 02/02/2017 2158		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	2	106	64 - 129	8	30	J * p	
4,4'-DDE	2	100	65 - 129	9	30	J * p	
4,4'-DDT	2	98	59 - 124	9	30	J * p	
Aldrin	2	103	66 - 127	0	30	J * p	
alpha-BHC	2	104	69 - 131	3	30	* p	
beta-BHC	2	104	69 - 127	13	30	* p	
delta-BHC	2	101	64 - 129	0	30	* p	
Dieldrin	2	102	65 - 128	8	30	* p	
Endosulfan I	2	101	66 - 126	11	30	J * p	
Endosulfan II	2	101	64 - 124	10	30	J * p	
Endosulfan sulfate	2	101	62 - 123	8	30	J * p	
Endrin	2	94	58 - 126	8	30	J * p	
Endrin aldehyde	2	102	69 - 131	10	30	J * p	
Endrin ketone	2	108	62 - 125	8	30	J * p	
gamma-BHC (Lindane)	2	101	67 - 126	1	30	* p	
Heptachlor	2	101	63 - 125	4	30	J * p	
Heptachlor epoxide	2	99	64 - 125	8	30	J * p	
Methoxychlor	2	94	56 - 123	12	30	J * p	
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	142		117	50 - 150			
Tetrachloro-m-xylene	125		132	47 - 150			

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Method Blank - Batch: 460-417826

Method: 8082A Preparation: 3546

Lab Sample ID: MB 460-417826/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/03/2017 1530
Prep Date: 02/02/2017 2054
Leach Date: N/A

Analysis Batch: 460-417975
Prep Batch: 460-417826
Leach Batch: N/A
Units: ug/Kg

Instrument ID: CPESTGC11
Lab File ID: T1339407.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	8.9	U	8.9	67
Aroclor 1221	8.9	U	8.9	67
Aroclor 1232	8.9	U	8.9	67
Aroclor 1242	8.9	U	8.9	67
Aroclor 1248	8.9	U	8.9	67
Aroclor 1254	9.2	U	9.2	67
Aroclor 1260	9.2	U	9.2	67
Aroclor 1268	9.2	U	9.2	67
Aroclor-1262	9.2	U	9.2	67
Polychlorinated biphenyls, Total	9.2	U	9.2	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	139	35 - 150
Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	134	35 - 150

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Lab Control Sample - Batch: 460-417826

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-417826/2-A	Analysis Batch:	460-417975	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-417826	Lab File ID:	T1339408.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/03/2017 1545	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/02/2017 2054			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	444	133	77 - 150	
Aroclor 1260	333	467	140	79 - 150	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	141		35 - 150		

Lab Control Sample - Batch: 460-417826

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-417826/2-A	Analysis Batch:	460-417975	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-417826	Lab File ID:	T1339408.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	02/03/2017 1545	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	02/02/2017 2054			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	449	135	77 - 150	
Aroclor 1260	333	447	134	79 - 150	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	139		35 - 150		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-417826**

**Method: 8082A
Preparation: 3546**

MS Lab Sample ID: 460-127507-E-1-D MS	Analysis Batch: 460-417975	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-417826	Lab File ID: T1339410.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0113 g
Analysis Date: 02/03/2017 1614		Final Weight/Volume: 10 mL
Prep Date: 02/02/2017 2054		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

MSD Lab Sample ID: 460-127507-E-1-E MSD	Analysis Batch: 460-417975	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-417826	Lab File ID: T1339411.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0110 g
Analysis Date: 02/03/2017 1629		Final Weight/Volume: 10 mL
Prep Date: 02/02/2017 2054		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	221	135	77 - 150	49	30	E *	*
Aroclor 1260	176	144	79 - 150	15	30	*	
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	170		*	144	35 - 150		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-417826**

**Method: 8082A
Preparation: 3546**

MS Lab Sample ID: 460-127507-E-1-D MS	Analysis Batch: 460-417975	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-417826	Lab File ID: T1339410.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0113 g
Analysis Date: 02/03/2017 1614		Final Weight/Volume: 10 mL
Prep Date: 02/02/2017 2054		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

MSD Lab Sample ID: 460-127507-E-1-E MSD	Analysis Batch: 460-417975	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-417826	Lab File ID: T1339411.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0110 g
Analysis Date: 02/03/2017 1629		Final Weight/Volume: 10 mL
Prep Date: 02/02/2017 2054		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	154	134	77 - 150	14	30	E *	
Aroclor 1260	167	146	79 - 150	19	30	*	
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	166		*	141	35 - 150		

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Method Blank - Batch: 460-417854

Method: 6010C

Preparation: 3050B

Lab Sample ID: MB 460-417854/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 02/05/2017 1347
Prep Date: 02/02/2017 2130
Leach Date: N/A

Analysis Batch: 460-418133
Prep Batch: 460-417854
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP5
Lab File ID: 418120D1.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Aluminum	10.3	U	10.3	20.0
Antimony	0.79	U	0.79	2.0
Arsenic	0.49	U	0.49	1.5
Barium	0.72	U	0.72	20.0
Beryllium	0.17	U	0.17	0.20
Cadmium	0.21	U	0.21	0.40
Calcium	29.6	U	29.6	500
Chromium	0.48	U	0.48	1.0
Cobalt	0.58	U	0.58	5.0
Copper	0.65	U	0.65	2.5
Iron	11.3	U	11.3	15.0
Lead	0.39	U	0.39	1.0
Magnesium	25.0	U	25.0	500
Manganese	0.53	U	0.53	1.5
Nickel	0.73	U	0.73	4.0
Potassium	15.2	U	15.2	500
Selenium	0.69	U	0.69	2.0
Silver	0.18	U	0.18	1.0
Sodium	33.9	U	33.9	500
Thallium	0.89	U	0.89	2.0
Vanadium	0.50	U	0.50	5.0
Zinc	0.73	U	0.73	3.0

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

LCS-Certified Reference Material - Batch: 460-417854

Method: 6010C

Preparation: 3050B

Lab Sample ID: LCSSRM 460-417854/2-~~A~~ Analysis Batch: 460-418133
 Client Matrix: Solid Prep Batch: 460-417854
 Dilution: 4.0 Leach Batch: N/A
 Analysis Date: 02/05/2017 1332 Units: mg/Kg
 Prep Date: 02/02/2017 2130
 Leach Date: N/A

Instrument ID: ICP5
 Lab File ID: 418120D1.asc
 Initial Weight/Volume: 1.01 g
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	8080	7782	96.3	49.4 - 151.0	
Antimony	88.2	39.92	45.3	2.2 - 197.3	
Arsenic	57.0	54.26	95.2	75.1 - 124.9	
Barium	110	117.9	107.2	82.4 - 118.2	
Beryllium	67.5	63.21	93.6	82.8 - 117.2	
Cadmium	77.8	76.24	98.0	82.8 - 117.2	
Calcium	6450	6093	94.5	82.2 - 117.7	
Chromium	65.0	63.68	98.0	79.1 - 121.1	
Cobalt	58.8	60.10	102.2	83.8 - 116.3	
Copper	56.4	54.28	96.2	80.5 - 119.7	
Iron	14700	13660	92.9	45.6 - 154.4	
Lead	85.6	85.98	100.4	82.0 - 118.0	
Magnesium	2710	2438	89.9	75.6 - 124.0	
Manganese	273	280.2	102.6	81.0 - 118.7	
Nickel	61.3	63.37	103.4	82.5 - 117.5	
Potassium	2420	2309	95.4	69.4 - 131.0	
Selenium	78.9	76.10	96.4	77.6 - 122.4	
Silver	54.2	53.74	99.2	74.7 - 125.3	
Sodium	914	825.7	90.3	71.6 - 128.0	J
Thallium	178	192.2	108.0	79.2 - 120.2	
Vanadium	56.3	54.22	96.3	77.1 - 122.9	
Zinc	198	197.2	99.6	82.3 - 117.2	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Matrix Spike - Batch: 460-417854

Method: 6010C

Preparation: 3050B

Lab Sample ID: 460-127697-A-2-H MS
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 02/05/2017 1355
Prep Date: 02/02/2017 2130
Leach Date: N/A

Analysis Batch: 460-418133
Prep Batch: 460-417854
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP5
Lab File ID: 418120D1.asc
Initial Weight/Volume: 1.25 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	4030	185	4739	382	75 - 125	4
Antimony	1.4 U	46.3	36.55	79	75 - 125	
Arsenic	5.0	185	178.7	94	75 - 125	
Barium	63.8	185	253.7	102	75 - 125	
Beryllium	0.60	4.63	5.04	96	75 - 125	
Cadmium	0.38 U	4.63	4.71	102	75 - 125	
Calcium	13000	1850	16970	215	75 - 125	4
Chromium	8.9	18.5	28.30	105	75 - 125	
Cobalt	2.5 J	46.3	49.45	101	75 - 125	
Copper	9.7	23.2	34.38	107	75 - 125	
Iron	4860	92.7	7684	3046	75 - 125	4
Lead	21.9	46.3	91.20	150	75 - 125	N
Magnesium	1160	1850	3909	148	75 - 125	N
Manganese	37.8	46.3	97.21	128	75 - 125	N
Nickel	5.4 J	46.3	52.87	103	75 - 125	
Potassium	827 J	1850	2698	101	75 - 125	
Selenium	1.2 U	185	178.8	96	75 - 125	
Silver	0.32 U	4.63	4.51	97	75 - 125	
Sodium	153 J	1850	1896	94	75 - 125	
Thallium	1.6 U	185	188.5	102	75 - 125	
Vanadium	12.5	46.3	58.69	100	75 - 125	
Zinc	31.7	46.3	131.0	214	75 - 125	N

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Duplicate - Batch: 460-417854

Method: 6010C
Preparation: 3050B

Lab Sample ID: 460-127697-A-2-G DU
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 02/05/2017 1358
Prep Date: 02/02/2017 2130
Leach Date: N/A

Analysis Batch: 460-418133
Prep Batch: 460-417854
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP5
Lab File ID: 418120D1.asc
Initial Weight/Volume: 1.31 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Aluminum	4030	4198	4	20	
Antimony	1.4 U	1.4	NC	20	U
Arsenic	5.0	5.00	0.4	20	
Barium	63.8	65.45	3	20	
Beryllium	0.60	0.644	7	20	
Cadmium	0.38 U	0.37	NC	20	U
Calcium	13000	13120	1	20	
Chromium	8.9	8.82	0.6	20	
Cobalt	2.5 J	2.63	6	20	J
Copper	9.7	11.25	15	20	
Iron	4860	5137	6	20	
Lead	21.9	22.53	3	20	
Magnesium	1160	1200	3	20	
Manganese	37.8	39.19	4	20	
Nickel	5.4 J	6.01	11	20	J
Potassium	827 J	848.0	3	20	J
Selenium	1.2 U	1.2	NC	20	U
Silver	0.32 U	0.31	NC	20	U
Sodium	153 J	152.8	0.2	20	J
Thallium	1.6 U	1.6	NC	20	U
Vanadium	12.5	12.75	2	20	
Zinc	31.7	37.93	18	20	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Method Blank - Batch: 460-417657

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-417657/1-A	Analysis Batch:	460-417711	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-417657	Lab File ID:	417656HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	02/02/2017 0947	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/02/2017 0517				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.011	U	0.011	0.017

LCS-Certified Reference Material - Batch: 460-417657

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-417657/2-A	Analysis Batch:	460-417711	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-417657	Lab File ID:	417656HG1.PRN
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	02/02/2017 0949	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/02/2017 0517				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	12.3	12.17	98.9	64.1 - 135.8	

Matrix Spike - Batch: 460-417657

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-127719-D-3-C MS	Analysis Batch:	460-417711	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-417657	Lab File ID:	417656HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	02/02/2017 0955	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	02/02/2017 0517				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.035	0.0849	0.144	129	75 - 125	N

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Duplicate - Batch: 460-417657

Method: 7471B

Preparation: 7471B

Lab Sample ID: 460-127719-D-3-B DU
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 02/02/2017 0953
Prep Date: 02/02/2017 0517
Leach Date: N/A

Analysis Batch: 460-417711
Prep Batch: 460-417657
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN5
Lab File ID: 417656HG1.PRN
Initial Weight/Volume: 0.64 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.035	0.0362	4	20	

Quality Control Results

Client: AKRF Inc

Job Number: 460-127730-1

Duplicate - Batch: 460-417707

Method: Moisture Preparation: N/A

Lab Sample ID:	460-127719-D-6 DU	Analysis Batch:	460-417707	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	02/02/2017 1001	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	17.5	18.4	5	20	
Percent Solids	82.5	81.6	1	20	

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

**SHORT
HOLD**

Water Metals Filtered (Yes/No)?

Massachusetts (M-NJ312), North Carolina (No. 578)

2.5/2.5 T02#8 W00EJ

TAL - 0016 (0814)

127730

IR Gun #

2

Number of Coolers: _____ IR Gun # _____ 2

Cooler Temperatures

RAW		CORRECTED		RAW		CORRECTED		RAW		CORRECTED	
Cooler #1:	26°C	26°C		Cooler #4:	°C	°C		Cooler #7:	°C	°C	
Cooler #2:	°C	°C		Cooler #5:	°C	°C		Cooler #8:	°C	°C	
Cooler #3:	°C	°C		Cooler #6:	°C	°C		Cooler #9:	°C	°C	

[illegible][illegible]

If pH adjustments are required record the information below

Preservative Name/Conc.:

Volume of Preservative used (ml):

Lot # of Preservative(s)

Expiration Date:

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-127730-1

Login Number: 127730

List Source: TestAmerica Edison

List Number: 1

Creator: Wisnewski, Kelly R

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5°C, IR#8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX E
SOLID WASTE DISPOSAL DOCUMENTATION
DISPOSAL FACILITY APPROVAL LETTERS, FACILITY PERMITS, WASTE MANIFESTS



Faster, smarter, greener solutions..

February 23, 2017

Christopher A. Gioia
Sky View Parc II, LP
40-26 College Point Blvd, Suite: F616
Flushing, NY

Re: C.E. Flushing, LP, C/O Onex Real Estate
C.E. Flushing
40-22 College Point Blvd,
Flushing, NY 11354
Approval Volume: 300 Tons
Approval Number: 173070185

Dear Mr. Gioia,

Clean Earth of Carteret, LLC. (CEC) is pleased to provide you with this acceptance letter for the soil material being generated from the site referenced above. CEC has reviewed the material profile sheet and laboratory analysis representing the project soil material for offsite disposal. Based on the review, soil sample procedure and soil sample analytical data results represented by Test America Laboratories, Inc. meet the analytical criteria of our NJDEP permitted Class-B Recycling Facility in Carteret, NJ.

This letter serves as approval of ~300 tons of non-hazardous petroleum contaminated soil/urban fill represented by composite sample ID: CE-WC-1 and all related grab samples to be generated from construction activities at the site.

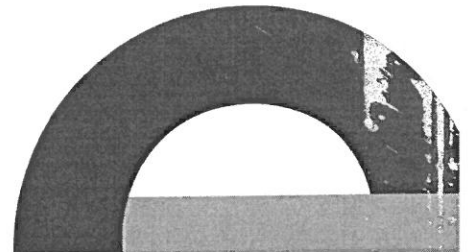
Please note that provided laboratory data package is short TPH analysis. The facility is permitted to analyze missing parameters by collecting soil samples from incoming loads. Please note that TPH analysis (every 150 Tons) will be required to comply with CEC's Class B permit. In the essence of saving time, CEC will collect the additional TPH samples as required upon arrival at the facility to meet the CEC analytical requirements. CEC will amend the invoice accordingly.

Please provide the approval number when scheduling and include the approval number on all manifests when shipping soils generated from this site. CEC can only accept Non Hazardous petroleum impacted soils. Any soils with free petroleum product or liquids, sludge's, or hazardous waste cannot be accepted. The generator will be notified of any non-conforming material.

Clean Earth Inc. and its Subsidiaries would like to thank you in advance for giving us this opportunity to manage this waste stream. If you should have any questions or require any additional information, please call me at (732) 541-8909.

Sincerely,
Clean Earth of Carteret, LLC

Tejas R. Shah





Faster, smarter, greener solutions..

February 23, 2017

Mr. Kevin Brussee
Environmental Business Consultants
1808 Middle Country Road
Ridge NY 11961

RE: Bright Villas LLC
802-806 Myrtle Avenue,
Brooklyn, NY

Approval No.: 153070554

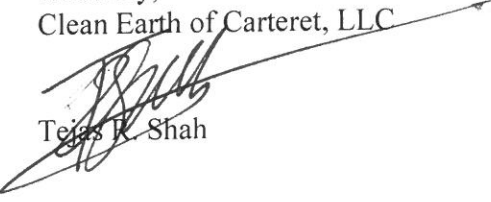
Dear Mr. Brussee:

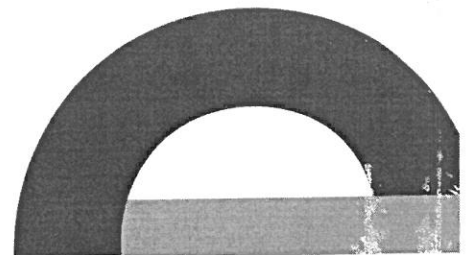
Clean Earth of Carteret, LLC. (CEC) has received and reviewed the analysis, sampling map and material profile sheet for soil to be excavated at the above referenced site. This letter serves as approval for 1000 tons of Non-hazardous petroleum contaminated soil/ urban fill.

Please include the Grid number/ name on all manifests when shipping soils to CEC. Please be advised that should the material be found to be non-confirming based on our facility permit requirements, CEC will contact you to discuss options.

This approval is based upon material being accurately represented by all information provided to CEC at this time, including, but not limited to, waste profiles, analysis, site diagrams, site history, and sampling plans. Processing of the soil will be performed under NJDEP Recycling Center Permit No. CBG150002.

Sincerely,
Clean Earth of Carteret, LLC


Tejas R. Shah





State of New Jersey

CHRIS CHRISTIE
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

Division of Solid & Hazardous Waste
Bureau of Recycling & Hazardous Waste Management
401 East State Street
P.O. Box 420, Mail Code 401-02C
Trenton, NJ 08625-0420
Tel (609) 984-3438 Fax (609) 777-1951
www.state.nj.us/dep/dshw/recycle

RECYCLING CENTER GENERAL APPROVAL FOR CLASS B RECYCLABLE MATERIALS

Under the provisions of N.J.S.A. 13:1E-1 et seq. and N.J.S.A. 13:1E-99.11 et seq., known as the Solid Waste Management Act and New Jersey Statewide Mandatory Source Separation and Recycling Act, respectively, and pursuant to N.J.A.C. 7:26A-1 et seq., known as the Recycling Regulations, this approval is hereby issued to:

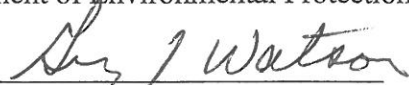
Clean Earth of Carteret, LLC

Facility Type:	Recycling Center for Class B Materials
Lot & Block No.:	3.02/1
Municipality:	Borough of Carteret
County:	Middlesex
Facility ID No.:	132310
Permit No.:	CBG150002

This General Approval is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection (Department).

This General Approval shall not prejudice any claim the State may have to riparian land nor does it allow the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be riparian, wetlands, stream encroachment or flood plains, or within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits, or approvals from the Department of Environmental Protection.

May 20, 2015
Issuance Date


Guy Watson, Chief
Bureau of Recycling &
Hazardous Waste Management

March 7, 2017
Expiration Date



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

CHRIS CHRISTIE
Governor

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

Division of Solid & Hazardous Waste
Bureau of Recycling & Hazardous Waste Management
401 East State Street
P.O. Box 420, Mail Code 401-02C
Trenton, NJ 08625-0420
Tel (609) 984-3438 Fax (609) 777-1951

John Eshelman, Manager
Clean Earth of Carteret, LLC
24 Middlesex Avenue
Carteret, NJ 07008

January 18, 2017

Re: Notice of Administrative Completeness
Application for Renewal of Class B Recycling Center Approval with no changes
Clean Earth of Carteret, LLC
Borough of Carteret, Middlesex County
Facility ID No: 132310
Permit No.: CBG160001

Dear Mr. Eshelman:

The Bureau of Recycling and Hazardous Waste Management (Bureau) is in receipt of an application for renewal with no changes of the above Class B Recycling Center General Approval, dated November 21, 2016 and submitted by Compliance Plus Services, Inc.

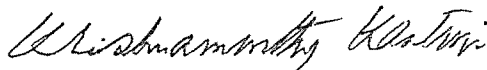
The Bureau has completed a review of the application to determine if the submittal is administratively complete pursuant to N.J.A.C. 7:26A-3.5. Upon review, the Bureau has determined the application for renewal with no changes of the Recycling Center General Approval to be Administratively Complete.

The Bureau acknowledges that in accordance with N.J.A.C. 7:26A-3.2(d), you have submitted a copy of the entire application package to the appropriate municipal and county officials for their respective review.

Please be advised that all conditions of the existing General Approval for the facility will remain effective pursuant to N.J.S.A. 52:14B-11 until such time that the Bureau reaches a final decision on the issuance of the General Approval Renewal.

If you have any questions concerning this matter, please contact Nick Nader at (609) 984-2067 or nicholas.nader@dep.nj.gov.

Very Truly Yours,



Krishnamurthy Kasturi, Supervisor
Bureau of Recycling & Hazardous Waste Management

C: John Castner, Compliance Plus Services
Paul Smith, Bureau of Compliance & Enforcement – Central
Christopher Sikorski, Middlesex County Recycling Coordinator
Kathleen Barney, Clerk, Borough of Carteret
Krish Kasturi, Supervisor, BRHWM

Clean Earth of Carteret

24 Middlesex Avenue

Carteret, NJ 07008

Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000585551

Date Time Scale

In: 2/24/2017 15:00:08 Scale CE

Out: 2/24/2017 15:00:21 P.T.

Manifest: 1429195

Vehicle ID: 07MCB7

Vehicle Permit:

Customer: SKY VIEW PARC II LP

Lbs Tns

Gross: 89640 44.82

Tare: 28140 14.07

Net: 61500 30.75

Facility Approval#: 173070185

Job Name: C. E. Flushing c/o Onex / C.

Generator: C E Flushing LP - c/o One

Gen Address: 40-24 College Point Blvd

Suite F616

Flushing, NY 11354

Job Address: 40-24 College Point Blvd

Flushing, NY 11354

Origin

Materials & Services

Quantity Unit

Queens

Soil Treatment Type II

30.75 Tns

Contaminate Type: 2 Oil

Treatment Type: Bio

Fac Waste Code: Petroleum Contaminated Soil

Storage Area: Not Applicable

Comment:

Driver:

Facility:

Gibson, Barry

GENERATOR



Manifest # 1429195

GLOBAL JOB NUMBER: 143909

FACILITY APPROVAL NUMBER: 173070185

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:

CE Flushing LP - C/O Onyx Real Estate
40 22 College Point Blvd
Flushing NY

GROSS WEIGHT:

☐ Tons ☐ Yards

TARE WEIGHT:

☐ Tons ☐ Yards

GENERATOR'S PHONE:

718-993-5712

NET WEIGHT:

☐ Tons ☐ Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

RTB - A/B Gnds F6/56

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name:

MARC RALFETTA

Title:

As agent for CE Flushing LLC

Signature:

Date and Time:

2/24/17

TRANSPORTER

Company:

RCD

Address:

BELLVILLE, NJ

Driver:

Phone Number:

Truck # and License Plate:

AS 171C

SW Haulers Permit #:

7

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature:

Date and Time:

2/24/17

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature:

Date and Time:

2/24/17

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature:

Date and Time:

2/24/17

GENERATOR

Clean Earth of Carteret

24 Middlesex Avenue

Carteret, NJ 07008

Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000585576

Date Time Scale

In: 2/24/2017 14:43:49 Scale CE

Out: 2/24/2017 14:44:04 P.T.

Manifest: 1429197

Vehicle ID: 07URIEL10

Vehicle Permit:

Customer: SKY VIEW PARC II LP

Lbs Tns

Gross: 79460 39.73

Tare: 28400 14.20

Net: 51060 25.53

Facility Approval#: 173070185

Job Name: C. E. Flushing c/o Onex / C.

Generator: C E Flushing LP - c/o One

Job Address: 40-24 College Point Blvd

Gen Address: 40-24 College Point Blvd

Suite F616

Flushing, NY 11354

Flushing, NY 11354

Origin

Materials & Services

Quantity Unit

Queens

Soil Treatment Type II

25.53 Tns

Contaminate Type: 2 Oil

Treatment Type: Bio

Fac Waste Code: Petroleum Contaminated Soil

Storage Area: Not Applicable

Comment:

Driver:

Facility:

Gibson, Barry

GENERATOR



Manifest # 1429197

GLOBAL JOB NUMBER:

143909

FACILITY APPROVAL NUMBER:

173070185

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:

CE Flushing LP - c/o Onyx Real Estate
40-22 74th Street
Flushing, NY

GROSS WEIGHT:

☐ Tons ☐ Yards

TARE WEIGHT:

☐ Tons ☐ Yards

GENERATOR'S PHONE:

712-583-5712

NET WEIGHT:

☐ Tons ☐ Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

RMZ-A/B Ends F6/66

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: MARG GALLETA

Title: As Agent for CE Flushing LLC

Signature:

Date and Time: 02/24/17 12:40

TRANSPORTER

Company: VRIEL

Phone Number: (973) 902 2043

Address: 275 NORTH ST

Truck # and License Plate: 10 AP737X

Driver: Jorge Tapia
(Type or Print Clearly)SW Haulers Permit #: _____
(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Jorge Tapia

Date and Time: 02/24/17 12:45

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Jorge Tapia

Date and Time: 2-24-17

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature:

Date and Time: 2/24/17

GENERATOR

Clean Earth of Carteret

24 Middlesax Avenue

Carteret, NJ 07008

Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000505543

Date Time Scale

In: 2/24/2017 14:17:41 Scale CE

Out: 2/24/2017 14:17:51 P.T.

Manifest: 1429196

Vehicle ID: 07URIEL5

Vehicle Permit:

Customer: SKY VIEW PARC II LP

	Lbs	Tns
Gross:	87320	43.66
Tare:	29480	14.74
Net:	57840	28.92

Facility Approval#: 173070185

Job Name: C. E. Flushing c/o Onex / C.

Generator: C E Flushing LP - c/o One

Gen Address: 40-24 College Point Blvd

Suite FB16

Flushing, NY 11354

Job Address: 40-24 College Point Blvd

Flushing, NY 11354

Origin

Materials & Services

Quantity Unit

Queens

Soil Treatment Type II

28.92 Tns

Contaminants Type: 2 Oil

Treatment Type: Bio

Fac Waste Code: Petroleum Contaminated Soil

Storage Area: Not Applicable

Comment:

Drivers:

Facility:

Gibson, Barry

GENERATOR



Manifest # 1429196

GLOBAL JOB NUMBER: 143809

FACILITY APPROVAL NUMBER: 173070185

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: CE Flushing LP - C/O Onix Real Estate 40-27 College Point Blvd Flushing NY	GROSS WEIGHT: ☐ Tons ☐ Yards
GENERATOR'S PHONE: 718-993-5212	TARE WEIGHT: ☐ Tons ☐ Yards
	NET WEIGHT: ☐ Tons ☐ Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

RMZ-A/B Embs F6/G6

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: MARCO CALICATA
Signature: [Signature]Title: As agent for CE Flushing LLC
Date and Time: 03/24/17 12:20

TRANSPORTER

Company: UPIEL
Address: 275 NORTH 6TH ST NEWARK NJ
Driver: DANIELPhone Number: _____
Truck # and License Plate: 5-AT 795D
SW Haulers Permit #: 936

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: 2/24/17

GENERATOR

Clean Earth of Carteret

24 Middlesex Avenue

Carteret, NJ 07008

Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000585520

	Date	Time	Scale
In:	2/24/2017	14:01:57	Scale CE
Out:	2/24/2017	14:02:07	P.T.

Manifest: 1429199

Vehicle ID: 07URI777

Vehicle Permit:

Customer: SKY VIEW PARC II LP

	Lbs	Tns
Gross:	80720	40.36
Tare:	28900	14.45
Net:	51820	25.91

Facility Approval#: 173070185

Generator: C E Flushing LP - c/o One

Job Name: C. E. Flushing c/o Onex / C.

Gen Address: 40-24 College Point Blvd

Job Address: 40-24 College Point Blvd

Suite F616

Flushing, NY 11354

Flushing, NY 11354

Origin

Materials & Services

Quantity Unit

Queens

Soil Treatment Type II

25.91 Tns

Contaminate Type: 2 Oil

Treatment Type: Bio

Fac Waste Code: Petroleum Contaminated Soil

Storage Area: Not Applicable

Comment:

Driver: _____

Facility: _____

Gibson, Barry

GENERATOR



Manifest # 1429199

GLOBAL JOB NUMBER: 143809

FACILITY APPROVAL NUMBER: 173070/85

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939☒ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: C.E. Flushing LP - c/o Onyx Real Estate 40-22 74th Ave. Bayside, NY Flushing, NY	GROSS WEIGHT: ☐ Tons ☐ Yards
GENERATOR'S PHONE: 212-393-5712	TARE WEIGHT: ☐ Tons ☐ Yards
	NET WEIGHT: ☐ Tons ☐ Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

RM7-A/B Grabs F6/G6

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: MARGO RALLITA

Title: As Agent for C.E. Flushing LLC

Signature: [Signature]

Date and Time: 02/28/17 12:00

TRANSPORTER

Company: UMEC

Phone Number: 973 940 2043

Address: 275 N 6th Newark NJ

Truck # and License Plate: 777 AT245D

Driver: Jefferson Guzman

SW Haulers Permit #: 3210

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature]

Date and Time: 2-24-17

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature]

Date and Time: 2-24-17

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]

Date and Time: 2-24-17

GENERATOR

Clean Earth of Carteret

24 Middlesex Avenue

Carteret, NJ 07008

Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000585408

Date Time Scale

In: 2/24/2017 12:56:45 Scale DE

Out: 2/24/2017 12:56:55 P.T.

Lbs Tns

Gross: 86380 43.19

Tare: 28200 14.10

Net: 58180 29.09

Manifest: 1429198

Vehicle ID: 07ATAMELIA86

Vehicle Permit:

Customer: SKY VIEW PARC II LP

Facility Approval#: 173070185

Generator: C E Flushing LP - c/o One

Job Name: C. E. Flushing c/o Onex / C.

Gen Address: 40-24 College Point Blvd

Job Address: 40-24 College Point Blvd

Suite F616

Flushing, NY 11354

Flushing, NY 11354

Origin

Materials & Services

Quantity Unit

Queens

Soil Treatment Type II

29.09 Tns

Contaminant Type: 2 Oil

Treatment Type: Bio

Fac Waste Code: Petroleum Contaminated Soil

Storage Area: Not Applicable

Comment:

Driver:

Facility:

Gibson, Barry

GENERATOR



Manifest # 1429198

GLOBAL JOB NUMBER: 143909

FACILITY APPROVAL NUMBER: 173070185

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:

CE Flushing LP - C/O Onyx Cool F Ltd
40-22 Jolly Road Point Blvd
Flushing NY

GROSS WEIGHT:

☐ Tons ☐ Yards

TARE WEIGHT:

☐ Tons ☐ Yards

GENERATOR'S PHONE:

712-393-5712

NET WEIGHT:

☐ Tons ☐ Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

RMZ-A/B Grids F6/66

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: MARIO BALLETTA

Title: As agent for CE Flushing LLC

Signature: [Signature]

Date and Time:

02/24/17 10:35

TRANSPORTER

Company: ATAMELIA

Phone Number: (973) 902 7566

Address: 215 NORTH 6ST NEWARK

Truck # and License Plate: AT 490B

86

Driver: CRISTHIAN AUEROS

SW Haulers Permit #:

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature]

Date and Time:

2-24-17

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature]

Date and Time:

2-24-17

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]

Date and Time:

2/24/17

GENERATOR

Glean Earth of Carteret

24 Middlesex Avenue

Carteret, NJ 07008

Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000585217

Date Time Scale

In: 2/24/2017 11:05:48 Scale CE

Out: 2/24/2017 11:05:59 P.T.

Manifest: 1415203

Vehicle ID: 07MCB5

Vehicle Permit:

Customer: SKY VIEW PARC II LP

	Lbs	Tns
Gross:	79200	39.60
Tare:	26860	13.43
Net:	52340	26.17

Facility Approval#: 173070105

Job Name: C. E. Flushing c/o Onex / C.

Generator: C. E. Flushing LP - c/o One

Gen Address: 40-24 College Point Blvd

Suite F616

Flushing, NY 11354

Job Address: 40-24 College Point Blvd

Flushing, NY 11354

Origin Materials & Services

Quantity Unit

Queens Soil Treatment Type II

26.17 Tns

Contaminate Type: 2 Oil

Treatment Type: Bio

Fac Waste Code: Petroleum Contaminated Soil

Storage Area: Not Applicable

Comment:

Driver: _____

Facility: _____

Gibson, Barry

GENERATOR



Manifest # 1415203

GLOBAL JOB NUMBER: 143909

FACILITY APPROVAL NUMBER: 173070185

Please Check One:

- ☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909
- ☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220
- ☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520
- ☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: C.E. Flushing LP - c/o One Real Estate 40-22 College Point Blvd Flushing NY	GROSS WEIGHT: ☐ Tons ☐ Yards
GENERATOR'S PHONE: 212-993-5712	TARE WEIGHT: ☐ Tons ☐ Yards
	NET WEIGHT: ☐ Tons ☐ Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

RMZ-A/B Gids F6/G6

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: MARCO GALLIATA Title: Agent for C.E. Flushing, LLC
Signature: [Signature] Date and Time: 02/24/17

TRANSPORTER

Company: MCB Phone Number: _____
Address: _____ Truck # and License Plate: #5 AP8808
Driver: Angelo Coolmen SW Haulers Permit #: _____
(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Angelo Coolmen Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Angelo Coolmen Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: 02/24/17

GENERATOR

Clean Earth of Carteret

24 Middlesex Avenue

Carteret, NJ 07008

Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000585148

	Date	Time	Scale
In:	2/24/2017	10:33:29	Scale CE
Out:	2/24/2017	10:33:39	P.T.

Manifest: 1415202

Vehicle ID: 07MCB3

Vehicle Permit:

Customer: SKY VIEW PARC II LP

	Lbs	Tns
Gross:	82900	41.45
Tare:	26520	13.26
Net:	56380	28.19

Facility Approval#: 173070185

Generator: C E Flushing LP - c/o One

Job Name: C. E. Flushing c/o Onax / C.

Gen Address: 40-24 College Point Blvd

Job Address: 40-24 College Point Blvd

Suite F616

Flushing, NY 11354

Flushing, NY 11354

Origin Materials & Services

Quantity Unit

Queens Soil Treatment Type II 28.19 Tns

Contaminate Type: 2 Oil

Treatment Type: Bio

Fac Waste Code: Petroleum Contaminated Soil

Storage Area: Not Applicable

Comment:

Driver: _____

Facility: _____

Gibson, Barry

GENERATOR



Manifest # 1415202

GLOBAL JOB NUMBER: 143909

FACILITY APPROVAL NUMBER: 173070185

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: C.E. Flushing LP-C/O Onyx Real Estate 40-78 College Point Blvd Flushing NY	GROSS WEIGHT: ☐ Tons ☐ Yards
GENERATOR'S PHONE: 212-993-5712	TARE WEIGHT: ☐ Tons ☐ Yards
	NET WEIGHT: ☐ Tons ☐ Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

RMZ-A/B Grabs 7/6/66

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: MARGO BALLETTA
Signature: Title: As Agent for C.E. Flushing LLC
Date and Time: 02/24/17

TRANSPORTER

Company: MDB TRUCKING
Address: BELLEVILLE NJ
Driver: JESUS M.Phone Number: _____
Truck # and License Plate: #B 1AP322V
SW Haulers Permit #: _____

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 2-24-17

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 2-24-17

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 2/24/17

GENERATOR

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008

Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000585136

	Date	Time	Scale
In:	2/24/2017	10:27:32	Scale DE
Out:	2/24/2017	10:27:45	P.T.

Manifest: 1415204
Vehicle ID: 07URI777
Vehicle Permit:
Customer: SKY VIEW PARC II LP

	Lbs	Tns
Gross:	79340	39.67
Tare:	28900	14.45
Net:	50440	25.22

Facility Approval#: 173070185

Generator: C E Flushing LP - c/o One
Gen Address: 40-24 College Point Blvd
Suite F616
Flushing, NY 11354

Job Name: C. E. Flushing c/o Onex / C.
Job Address: 40-24 College Point Blvd
Flushing, NY 11354

Origin Materials & Services

Quantity Unit

Queens Soil Treatment Type II 25.22 Tns

Contaminate Type: 2 Oil

Treatment Type: Bio

Fac Waste Code: Petroleum Contaminated Soil

Storage Area: Not Applicable

Comment:

Driver: _____

Facility: _____

Gibson, Barry

GENERATOR



Manifest # 1415204

GLOBAL JOB NUMBER: 143909

FACILITY APPROVAL NUMBER: 173070185

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: C.F. Flushing LP - C/o Onyx Real Estate 40-22 College Blvd Flushing NY	GROSS WEIGHT: ☐ Tons ☐ Yards
GENERATOR'S PHONE: 712-993-5712	TARE WEIGHT: ☐ Tons ☐ Yards
	NET WEIGHT: ☐ Tons ☐ Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

RMZ-A/B Grds F6/66

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: NARCO BALLESTA

Title: As agent for C.F. Flushing LLC

Signature: [Signature]

Date and Time: 02/24/17 7:52

TRANSPORTER

Company: UREL

Phone Number: 973 940 2043

Address: 275 North Newark NJ

Truck # and License Plate: 777 AT245U

Driver: Jefferson Gorman

SW Haulers Permit #: 3210

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature]

Date and Time: 2-24-17

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature]

Date and Time: 2-24-17

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]

Date and Time: 2/24/17

GENERATOR

Clean Earth of Carteret

24 Middlesex Avenue

Carteret, NJ 07008

Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000585097

Date Time Scale

In: 2/24/2017 10:02:05 Scale CE

Out: 2/24/2017 10:02:14 P.T.

Manifest: 1429200

Vehicle ID: 07URIELS

Vehicle Permit:

Customer: SKY VIEW PARC II LP

Lbs Tns

Gross: 88620 44.31

Tare: 29480 14.74

Net: 59140 29.57

Facility Approval#: 173070185

Job Name: C. E. Flushing c/o Onex / C.

Generator: C E Flushing LP - c/o One

Gen Address: 40-24 College Point Blvd

Job Address: 40-24 College Point Blvd

Suite F616

Flushing, NY 11354

Flushing, NY 11354

Origin Materials & Services

Quantity Unit

Queens Soil Treatment Type II

29.57 Tns

Contaminate Type: 2 Oil

Treatment Type: Bio

Fac Waste Code: Petroleum Contaminated Soil

Storage Area: Not Applicable

Comment:

Driver:

Facility:

Gibson, Barry

GENERATOR



Manifest # 1429200

GLOBAL JOB NUMBER: 143909

FACILITY APPROVAL NUMBER: 173070185

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: C.E. Flushing LP - C/O Mex Real Estate 40-72 College Point Blvd Flushing, NY	GROSS WEIGHT: ☐ Tons ☐ Yards
GENERATOR'S PHONE: 212-993-5712	TARE WEIGHT: ☐ Tons ☐ Yards
	NET WEIGHT: ☐ Tons ☐ Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

RMZ-A/B Gals F6/66

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: MARCO BALLETTA

Title: As agent of C.E. Flushing LLC

Signature: [Signature]

Date and Time: 10/24/17 7:21

TRANSPORTER

Company: VRIEL

Phone Number: 973 902 2043

Address: 275 NORTH 6TH STREET NJ

Truck # and License Plate: 5-AT 7950

Driver: RAFAEL G

SW Haulers Permit #: 936

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature]

Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature]

Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]

Date and Time: 2/24/17

GENERATOR

Clean Earth of Carteret

24 Middlessex Avenue

Carteret, NJ 07008

Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000585007

Date Time Scale

In: 2/24/2017 09:07:06 Scale CE

Out: 2/24/2017 09:07:17 P.T.

Manifest: 1415201

Vehicle ID: 07ATAMELIA86

Vehicle Permit:

Customer: SKY VIEW PARC II LP

	Lbs	Tns
Gross:	91840	45.92
Tare:	28200	14.10
Net:	63640	31.82

Facility Approval#: 173070185

Generator: C E Flushing LP - c/o One

Job Name: C. E. Flushing c/o Onex / C.

Gen Address: 40-24 College Point Blvd

Job Address: 40-24 College Point Blvd

Suite F616

Flushing, NY 11354

Flushing, NY 11354

Origin Materials & Services

Quantity Unit

Queens Soil Treatment Type II

31.82 Tns

Contaminate Type: 2 Oil

Treatment Type: Bio

Fac Waste Code: Petroleum Contaminated Soil

Storage Area: Not Applicable

Comment:

Driver: _____

Facility: _____

Gibson, Barry

GENERATOR



Manifest # 1415201

GLOBAL JOB NUMBER: 143909

FACILITY APPROVAL NUMBER: 173070185

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: C.E. Flushing LP - C/O One & Real Estate 40-22 College Point Blvd. Flushing NY	GROSS WEIGHT: ☐ Tons ☐ Yards
GENERATOR'S PHONE: 212-883-5712	TARE WEIGHT: ☐ Tons ☐ Yards
	NET WEIGHT: ☐ Tons ☐ Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

RMZ-A/B 6 inch F6/G6

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: MARCO BALLETTA

Title: As agent for C.E. Flushing LLC

Signature: [Signature]

Date and Time: 02/24/17 7:00 AM

TRANSPORTER

Company: AT AMELIA

Phone Number: (973) 902 7566

Address: 215 NORTH 65TH

Truck # and License Plate: AT 49013 #86

Driver: CRISTHIAN AUEROS

SW Haulers Permit #: _____

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature] Date and Time: 2-24-17

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature] Date and Time: 2-24-17

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature] Date and Time: 2/24/17

GENERATOR

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000594610

	Date	Time	Scale
In:	3/10/2017	11:19:34	Scale CE
Out:	3/10/2017	11:19:49	P.T.

Manifest: 1429191
Vehicle ID: 07MEND32
Vehicle Permit:
Customer: SKY VIEW PARC II LP

	Lbs	Tns
Gross:	84560	42.28
Tare:	29300	14.65
Net:	55260	27.63

Generator: C E Flushing LP - c/o One
Gen Address: 40-24 College Point Blvd
Suite F616
Flushing, NY 11354

Facility Approval#: 173070185

Job Name: C. E. Flushing c/o Onex / C.
Job Address: 40-24 College Point Blvd
Flushing, NY 11354

Origin	Materials & Services	Quantity	Unit
--------	----------------------	----------	------

Queens	Soil Treatment Type II	27.63	Tns
--------	------------------------	-------	-----

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____

Facility: _____
Gibson, Barry

GENERATOR



Manifest # 1429191

GLOBAL JOB NUMBER:

143909

FACILITY APPROVAL NUMBER:

173070185

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:

C.F. Flushing LP - c/o Onyx Real Estate
40-22 College Point Blvd
Flushing, NY

GROSS WEIGHT:

☐ Tons ☐ Yards

TARE WEIGHT:

☐ Tons ☐ Yards

GENERATOR'S PHONE:

212-393-5712

NET WEIGHT:

☐ Tons ☐ Yards**DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION**

RMZ-A/B Kids F6/86

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: MARCO BALLETTA

Title:

As Agent for CF Flushing LLC

Signature:

Date and Time:

03/10/17 9:30

TRANSPORTER

Company:

Mendez #32

Phone Number:

Address:

Truck # and License Plate:

AP 306 X

Driver:

Osman Flores

SW Haulers Permit #:

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature:

Date and Time:

03/10/17 9:30

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature:

Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature:

Date and Time:

3/10/17

GENERATOR

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000594500

	Date	Time	Scale
In:	3/10/2017	11:04:51	Scale CE
Out:	3/10/2017	11:05:04	P.T.

Manifest: 1256654
Vehicle ID: 07MEND13
Vehicle Permit:
Customer: SKY VIEW PARC II LP

	Lbs	Tns
Gross:	92220	46.11
Tare:	32020	16.01
Net:	60200	30.10

Facility Approval#: 173070185

Generator: C E Flushing LP - c/o One
Gen Address: 40-24 College Point Blvd
Suite F616
Flushing, NY 11354

Job Name: C. E. Flushing c/o Onex / C.
Job Address: 40-24 College Point Blvd
Flushing, NY 11354

Origin	Materials & Services	Quantity	Unit
--------	----------------------	----------	------

Queens	Soil Treatment Type II	30.10	Tns
--------	------------------------	-------	-----

Contaminate Type: 2 Oil

Treatment Type: Bio

Fac Waste Code: Petroleum Contaminated Soil

Storage Area: Not Applicable

Comment:

Driver: _____

Facility: _____
Gibson, Barry

GENERATOR



Manifest # 1256654

GLOBAL JOB NUMBER: 143909

FACILITY APPROVAL NUMBER: 173070185

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: C.E. Flushing LP - C/O Onyx Real Estate 40-22 College Point Blvd Flushing, NY	GROSS WEIGHT: ☐ Tons ☐ Yards
GENERATOR'S PHONE: 212-993-5712	TARE WEIGHT: ☐ Tons ☐ Yards
	NET WEIGHT: ☐ Tons ☐ Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

RMZ-A/B Ends F6/66

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: MARCO BALLETTA

Title: As agent for CE Flushing LLC

Signature: [Signature]

Date and Time: 03/10/17 8:51

TRANSPORTER

Company: Mender 13

Phone Number: 761 928 9047

Address: 160 Bellville, NJ

Truck # and License Plate: AP238K

Driver: Pedro

SW Haulers Permit #: _____

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [Signature]

Date and Time: 03/10/17 8:51

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [Signature]

Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]

Date and Time: 3/10/17

GENERATOR

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008

Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000594554

	Date	Time	Scale
In:	3/10/2017	10:33:50	Scale CE
Out:	3/10/2017	10:34:37	P.T.

Manifest: 1429192
Vehicle ID: 07MEND101
Vehicle Permit:
Customer: SKY VIEW PARC II LP

	Lbs	Tns
Gross:	87200	43.60
Tare:	29200	14.60
Net:	58000	29.00

Facility Approval#: 173070185

Generator: C E Flushing LP - c/o One
Gen Address: 40-24 College Point Blvd
Suite F616
Flushing, NY 11354

Job Name: C. E. Flushing c/o Onex / C.
Job Address: 40-24 College Point Blvd
Flushing, NY 11354

Origin	Materials & Services	Quantity	Unit
--------	----------------------	----------	------

Queens	Soil Treatment Type II	29.00	Tns
--------	------------------------	-------	-----

Contaminate Type: 2 Oil

Treatment Type: Bio

Fac Waste Code: Petroleum Contaminated Soil

Storage Area: Not Applicable

Comment:

Driver: _____

Facility: _____
Gibson, Barry

GENERATOR



Manifest # 1429192

GLOBAL JOB NUMBER: 143909

FACILITY APPROVAL NUMBER: 173070185

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:

C.E. Flushing LP - C/O City of Flushing
40-77 College Point Blvd
Flushing, NY

GENERATOR'S PHONE: 212-993-5712

GROSS WEIGHT:

☐ Tons ☐ Yards

TARE WEIGHT:

☐ Tons ☐ Yards

NET WEIGHT:

☐ Tons ☐ Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

RMZ-A/B Bldg 7.6/66

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: MARCO BALLETTA

Title: As Agent for C.E. Flushing LLC

Signature:

Date and Time: 03/10/17 8:15

TRANSPORTER

Company: M&E TRUCKING

Phone Number: 878-6611

Address: _____

Truck # and License Plate: AP639R 101

Driver: EFRAN PARIPI

(Type or Print Clearly)

SW Haulers Permit #: _____

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature:

Date and Time: 03/10/17 8:15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature:

Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature:

Date and Time: 3/10/17

GENERATOR

Green Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000594536

	Date	Time	Scale
In:	3/10/2017	10:20:05	Scale CE
Out:	3/10/2017	10:20:16	P.T.

Manifest: 1429194
Vehicle ID: 07MEND288
Vehicle Permit:
Customer: SKY VIEW PARC II LP

	Lbs	Tns
Gross:	86960	43.48
Tare:	27200	13.60
Net:	59760	29.88

Facility Approval#: 173070185

Generator: C E Flushing LP - c/o One
Gen Address: 40-24 College Point Blvd
Suite F616
Flushing, NY 11354

Job Name: C. E. Flushing c/o Onex / C.
Job Address: 40-24 College Point Blvd
Flushing, NY 11354

Origin	Materials & Services	Quantity	Unit
--------	----------------------	----------	------

Queens	Soil Treatment Type II	29.88	Tns
--------	------------------------	-------	-----

Contaminate Type: 2 Oil

Treatment Type: Bio

Fac Waste Code: Petroleum Contaminated Soil

Storage Area: Not Applicable

Comment:

Drivers: _____

Facility: _____
Gibson, Barry

GENERATOR



Manifest # 1429194

GLOBAL JOB NUMBER: 143909

FACILITY APPROVAL NUMBER: 173070185

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: C.E. Flushing 1P - c/o Apex Mgmt 40-22 College Point Blvd Flushing, NY	GROSS WEIGHT: ☐ Tons ☐ Yards
GENERATOR'S PHONE: 212-993-8712	TARE WEIGHT: ☐ Tons ☐ Yards
	NET WEIGHT: ☐ Tons ☐ Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

2K7-A/B ends 6/66

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: MARIO GALLETTA
Signature: [Signature]Title: As opnd by CE Flushing CC
Date and Time: 03/10/17 7:20

TRANSPORTER

Company: MENDER TRUCKING
Address: 492 UNION AVE BELLEVILLE NJ
Driver: JUAN OROZCO
(Type or Print Clearly)Phone Number: _____
Truck # and License Plate: 288 - AS7632 NJ
SW Haulers Permit #: _____
(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: JUAN OROZCO

Date and Time: 03/10/17 7:50

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: JUAN OROZCO

Date and Time: 3/10/17

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]

Date and Time: 3/10/17

GENERATOR

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000594409

	Date	Time	Scale
In:	3/10/2017	09:40:02	Scale CE
Out:	3/10/2017	09:40:10	P.T.

Manifest: 1429193
Vehicle ID: 07MEND11
Vehicle Permit:
Customer: SKY VIEW PARC II LP

	Lbs	Ins
Gross:	80360	40.18
Tare:	29360	14.68
Net:	51000	25.50

Facility Approval#: 173070185

Generator: C E Flushing LP - c/o One
Gen Address: 40-24 College Point Blvd
Suite F616
Flushing, NY 11354

Job Name: C. E. Flushing c/o Onex / C.
Job Address: 40-24 College Point Blvd
Flushing, NY 11354

Origin	Materials & Services	Quantity	Unit
--------	----------------------	----------	------

Queens	Soil Treatment Type II	25.50	Ins
--------	------------------------	-------	-----

Contaminate Type: 2 Oil

Treatment Type: Bio

Fac Waste Code: Petroleum Contaminated Soil

Storage Area: Not Applicable

Comment:

Driver: _____

Facility: _____
Gibson, Barry

GENERATOR



Manifest # 1429193

GLOBAL JOB NUMBER: 143909

FACILITY APPROVAL NUMBER: 173070185

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: C.E. Flushing LP - c/o Drexel Ind. Est. 40-22 College Park Blvd Flushing, NY	GROSS WEIGHT: ☐ Tons ☐ Yards
GENERATOR'S PHONE: 212-393-5712	TARE WEIGHT: ☐ Tons ☐ Yards
	NET WEIGHT: ☐ Tons ☐ Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

RMZ-A/B Gnds F6/66

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: MARCO CALLETTA

Title: As Agent of C.E. Flushing LLC

Signature: [Signature]

Date and Time: 03/10/17 7:00AM

TRANSPORTER

Company: Mendez

Phone Number: _____

Address: 440 Union Av NJ

Truck # and License Plate: AR90UC #11

Driver: Jose F. Castro

SW Haulers Permit #: _____

(Type or Print Clearly)

(applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Jose Castro

Date and Time: 03/10/17 7:15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Jose Castro

Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [Signature]

Date and Time: 3/10/17

GENERATOR

APPENDIX F
IMPORTED BACKFILL DOCUMENTATION



TILCON NEW YORK INC.

CORP. OFFICES 162 OLD MILL ROAD WEST NYACK, NY 10994
845-358-4500 www.tilconny.com

April 21, 2017

CRF Construction

Re: College Point Blvd

Gentlemen:

Material shipped from our Flushing Terminal originates from our Clinton Point Quarry. As it is produced by our Clinton Point Quarry, ¾" Stone (also known as NYSDOT #2 Stone) is manufactured to meet ASTM and New York State Department of Transportation (NYSDOT) Standard Specifications.

Our Clinton Point Quarry, NYSDOT source #8-9R, supplies 100% virgin dolomite limestone (dolomite) that is quarried and processed to finished sizes. Material shipped from our Clinton Point facility is clean and free of contaminants prior to loading. Clinton Point was approved by the NYSDOT under test number 16AR88. That test result indicating source quality is attached. Also attached, please find a typical gradation for a ¾" Stone.

If you have any questions or require additional information, please contact me at 518-374-2222 or at cvanpatten@callanan.com.

Very truly yours,
TILCON NEW YORK, INC.

A handwritten signature in black ink that reads "Colleen VanPatten".

Colleen VanPatten
QC Department

**NEW YORK STATE
DEPARTMENT OF TRANSPORTATION
MATERIALS BUREAU
COARSE AGGREGATE ANALYSIS FOR 703-02 PHYSICAL REQUIREMENTS**

SOURCE #: **8- 9R** TEST #: **16AR 88** BR3a SERIAL #: **187839** SM LAB #: **16078494**

Tilcon New York, Inc.
Clinton Point, NY

On 02/16/17 results of tests on material represented by sample 187839 were evaluated

Material meets specifications for Item 703-02. Consult friction aggregate requirements for approved use.

Test results listed below represent this sample only. Results may not be appropriate for designing mixes.

REMARKS:

NYS DOT Sizes	No. 2	No. 1	No. 1A
10 Cycle MgSO ₄		2.1	
25 Cycle 3% freeze -thaw			
UCVC		51	

% Non-carbonate		0	
% Insoluble residue			
L.A. Abrasion			

Bulk Specific Gravity SSD	2.81		
Bulk Specific Gravity	2.799		
Apparent Specific Gravity	2.830		
Absorption	0.4		

COMPOSITION (Size No.)	%	COMPOSITION (Size No. 1)	%
		Dolomite (Med Gray)	79.4
		Dolomite (Dark Gray)	16
		Dolomite (Tan)	4.6



Gradation Test Report

Plant 060_00210-Clinton Point Aggregate

Product 0526-NYSDOT #2

Specification NYSDOT 2



1812346266

Sample Information

Sample No 1812346266 Split Sample ☐
Date Sampled 12/09/2016 09:05 Resample ☐
Sampled By Rick Grunwald Test Note
Type Shipping Barge 4009
Method Belt Sampling Device Customer RCA
Location Dock
Process RCA

Gradation Results

Date Completed 12/09/2016 09:05

Tested By Rick Grunwald

Unit Moist Mass Dry Mass Wash Mass Moisture % Wash Loss % Procedure
g 11620.00

Sieve	Mass Retained	Cum Mass Retained	Ind % Retained	% Retained	% Passing	Target	Specification	Comment
1 1/2" (37.5mm)	0.00	0.00	0.0	0.0	100.0		100-100	
1" (25mm)	380.00	380.00	3.3	3.3	96.7		90-100	
3/4" (19mm)	5910.00	6290.00	50.9	54.1	45.9			
1/2" (12.5mm)	4385.00	10675.00	37.7	91.9	8.1		0-15	
1/4" (6.3mm)	680.00	11355.00	5.9	97.7	2.3			
#4 (4.75mm)	95.00	11450.00	0.8	98.5	1.5			
1/8" (3.17mm)	90.00	11540.00	0.8	99.3	0.7			
Pan	85.00	11625.00	0.69	100.00	0.00			

HAULER COPY

SCALE NO. 0	TICKET NO. 21352337	DATE 04/21/17	TIME 8:36
NAME Jim Ayers		ORDER NO.	



TILCON NEW YORK INC.
162 OLD MILL ROAD, WEST NYACK, NY 10994

NEW YORK ORDERS
NEW JERSEY ORDERS

800 TRAP ROC 872-7762
800 789 ROCK 789-7625

SHIPPING PLANT 00213	Flushing Agg	SOURCE CODE	CONTRACT NUMBER	PURCHASE ORDER	TRUCK CODE 20838FA
CUSTOMER CODE 99114	Cash Sales - Flushing	PROJECT CODE	HAULER 888588	FOB Vendor	
DELIVERY METHOD Pickup	ZONE CODE				

DRIVER PRINT NAME (NO INITIALS)

DRIVER SIGNATURE

DELIVERY ADDRESS

INSTRUCTIONS

ITEM CODE	DESCRIPTION	GROSS	TARE	NET
1014035	ASTM 57/67 CLINTON POINT	66100 lb	25000 lb	41100 lb
		33.05 Ton	12.50 Ton	20.55 Ton

Price: 33.90



Total: 690.65

Freight: 0.00

Tax: 61.83

Total: 756.48

20.55

756.48

Today Totals

ON JOB

☐ AM
☐ PM

OFF JOB

☐ AM
☐ PM

CUSTOMER
SIGNATURE:

TILCON NEW YORK INC. ISSUES THIS RECEIPT SOLELY FOR CALCULATING THE WEIGHT OF PURCHASED MATERIALS. CUSTOMER HIRED HAULER IS SOLELY RESPONSIBLE FOR OPERATING THE VEHICLE WITHIN ITS PERMITTED WEIGHT LIMITATION AND FOR THE SAFE AND PROPER PICK-UP, HAULING AND DELIVERY OF MATERIALS. CUSTOMER HIRED HAULER SHALL DEFEND AND INDEMNIFY TILCON NEW YORK INC. AGAINST ANY AND ALL CLAIMS ARISING OUT OF A FAILURE TO: (1) COMPLY WITH PERMITTED WEIGHT LIMITATIONS; AND (2) SAFELY PICK-UP, HAUL AND DELIVER MATERIALS.

OSHA M.S.D.S. AVAILABLE UPON REQUEST

CUSTOMER COPY 2



TILCON NEW YORK INC.

162 OLD MILL ROAD, WEST NYACK, NY 10994

NEW YORK ORDERS

800 TRAP ROC 872-7762

NEW JERSEY ORDERS

800 789 ROCK 789-7625

TICKET NO. 252353	DATE 04/21/17	TIME 10:31
ORDER NO.		

SOURCE CODE		CONTRACT NUMBER		PURCHASE ORDER		TRUCK CODE 29838KA	
PROJECT CODE		HAULER 888888		FOB Vendor			

DELIVERY METHOD Pickup	ZONE CODE	DRIVER PRINT NAME (NO INITIALS)		DRIVER SIGNATURE	
---------------------------	-----------	---------------------------------	--	------------------	--

DELIVERY ADDRESS	
------------------	--

INSTRUCTIONS	
--------------	--

ITEM CODE 1014035	DESCRIPTION ASTM 57/67 CLINTON POINT
----------------------	---

Price:	33.90	
Total:	279.68	
Freight:	0.00	
Tax:	24.82	
Total:	304.50	

GROSS	41500 lb	20.75 Ton
TARE	25000 lb	12.50 Ton
NET	16500 lb	8.25 Ton
# OF LOADS 2	US TONS TODAY 28.80	METRIC TONS TODAY 26.13

21352353

Today Totals

CUSTOMER SIGNATURE:

ON JOB	AM	OFF	AM
--------	----	-----	----

TILCON NEW YORK INC. ISSUES THIS RECEIPT SOLELY FOR CALCULATING THE WEIGHT OF PURCHASED MATERIALS. CUSTOMER HIRED HAULER IS SOLELY RESPONSIBLE FOR OPERATING THE VEHICLE WITHIN ITS PERMITTED WEIGHT LIMITATION AND FOR THE SAFE AND PROPER PICK-UP, DELIVERY AND DUMPING OF MATERIALS.

APPENDIX G
AIR MONITORING LOGS

Project: *Sky View Park* Client: *Sky View Park* Date: *11/4/16*
Work Activity: *Pile driving/utility search excavation in parcel 2 elevator pit area* Logged By: *CP/MB*
Job No: *30141*

Weather: *50°F, Clear* Wind Direction: *SEast* Wind Speed: *4mph*

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:00	Parcel 2 - <i>Elevator Building</i>	ND	0.049	NONE	BACKGROUND - upwind (west)
8:15	" "	ND	0.055	NONE	Buckham - Downwind (east)
08:42	" "	ND	0.049	None	Excavation Zone / west zone
09:00	" "	ND	0.042	NONE	Excavation Zone / West Zone
09:15	" "	ND	0.040	NONE	" " "
09:30	" "	ND	0.053	NONE	Excavation Zone / West Zone
09:45	" "	ND	0.057	NONE	" " "
10:00	" "	ND	0.043	NONE	" " "
10:15	" "	ND	0.058	NONE	" " "
10:30	" "	ND	0.048	None	" " "
10:45	" "	ND	0.058	None	" " "
11:00	" "	ND	0.063	NONE	" " "
11:15	" "	ND	0.068	NONE	" " "
11:30	" "	ND	0.055	NONE	" " "
11:45	" "	ND	0.062	NONE	" " "
12:00	" "	ND	0.054	NONE	" " "
12:15	" "	ND	0.061	NONE	" " "
12:30	" "	ND	0.060	None	" " "
12:45	" "	ND	0.055	None	" " "
13:00	" "	ND	0.049	None	" " "
13:15	" "	ND	0.051	None	" " "
13:30	" "	ND	0.052	None	" " "
13:45	" "	ND	0.048	None	" " "

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>5 mg/m ³ : dust suppression
>20 ppm: STOP	>5 mg/m ³ : level C
>50 ppm: STOP	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

p.1 of 2

PID - 210 ppm - level D
Between 10 - 500 ppm - level C
>500 ppm - Stop work

Dust
<5 mg/m³ - Level D
Between 5 - 125 mg/m³ - Level C / Dust Suppression
>125 mg/m³ - STOP

Air Monitoring Log

Project: Sky View Parc

Client: Skyviewcare

Date: 11/14/16

Work Activity: Pile driving and utility excavation pit digging in Parcel 2 elevator building

Logged By: CP

Job No: 30/4/

Weather: 50°F, clear,

Wind Direction: East

Wind Speed: 4 mph

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>20 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Air Monitoring Log

Project: SK View Parc

Client: Sk. Virendra Singh

Date: 12/15/16

Work Activity: S₁ excavation of tunnel test pit south of elevat.

Logged By: CF

Job No: 321 71

Weather: 27°F, partly cloudy

Wind Direction: *15 knots* Wind Speed: *27 mph*

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>20 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Project: 435 E. 13th Street & 432 E. 14th Street Sq. Client: Skyview Parc East 14th Street, Owner LLC Date: 12/21/16

Work Activity: Subsurface utility excavation (grid F6) on Parcel 2 to 3' bss (RM 2A) Logged By: Marco Bullette Job No: 12020-30141

Weather: Clear ~32°F Wind Direction: West Wind Speed: ~5 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind) - All
09:10	Grid F6	ND	0.003	None	BACKGROUND upwind (west)
09:25	" "	ND	0.004	None	Downwind (east)
09:40	" "	ND	0.001	None	Work Zone - elevator building
09:55	" "	ND	0.004	NONE	Excavation
10:10	" "	ND	0.025	NONE	Excavation
10:25	" "	ND	0.021	NONE	Excavation / Jackhammering
10:40	" "	ND	0.019	NONE	Excavation / Jackhammering
10:55	" "	ND	0.021	NONE	Excavation / Jackhammering
11:10	" "	ND	0.018	NONE	Excavation / Jackhammering
11:25	" "	ND	0.022	NONE	Excavation / Jackhammering
11:40	" "	ND	0.007	NONE	Excavation
11:55	" "	ND	0.012	NONE	Excavation / Jackhammering
12:10	" "	ND	0.005	NONE	Excavation / Jackhammering
12:55	" "	ND	0.010	NONE	Excavation / Jackhammering
13:10	" "	ND	0.007	NONE	Excavation / Jackhammering
13:25	" "	ND	0.020	NONE	Excavation / Jackhammering
13:40	" "	ND	0.017	NONE	Excavation / Jackhammering
13:55	" "	ND	0.026	NONE	Excavation
14:10	" "	ND	0.018	NONE	Excavation
14:25	" "	ND	0.011	NONE	Excavation
14:40	" "	ND	0.020	NONE	Excavation
14:55	" "	ND	0.017	NONE	Excavation
15:10	" "	ND	0.013	NONE	Excavation / Jackhammering
15:25	" "	ND	0.015	NONE	Excavation / Jackhammering

Work Zone Action Levels

<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>20 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

5-125-level C
>125-stop
page 1 of 2

Project: ~~435 E. 13th Street & 432 E. 14th Street~~

Client: *3874 Civic* ~~East 14th Street~~
Pave. ~~Owner LLC~~

Date: 12/21/16

Work Activity: Sub-surface utility excavation (Grid F6)
on Panel 2 to 3' bps (RMZA)

Logged By: Mario Collette

Job No: 12020

Weather: Clear $\approx 32^{\circ}\text{F}$

Wind Direction: *left*

Wind Speed: 5-10

[illegible]

Work Zone Action Levels	
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>20 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
OVM	DUST
>5 ppm above background:vapor suppression	>0.1 mg/m ³ above background:dust suppression
>25 ppm above background: STOP	>0.15 mg/m³ above background: STOP

Page 2 of 2

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: 435 E. 13th Street & 432 E. 14th Street

Client: Skyline East 14th Street

Date: 10/22/16

Work Activity: Subsurface utility excavation (Grid F6) on Rental 2 to 3' bps (RMZ A)

Logged By: Marco Collette

Job No: 12020

Weather: Cloudy ~ 32°F

Wind Direction: West

Wind Speed: 4 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
7:30	Grid F6	ND	0.004	NONE	BACKGROUND Upwind (West)
7:45	Grid F6	ND	0.005	NONE	Downwind (East)
8:00	Grid F6	ND	0.002	NONE	Work Zone - Florida Building (F6)
8:15	Grid F6	ND	0.010	NONE	Excavation
8:30	Grid F6	ND	0.007	NONE	Excavation
8:45	Grid F6	ND	0.011	NONE	Excavation
9:00	Grid F6	ND	0.020	NONE	Excavation
9:30	Grid F6	ND	0.017	NONE	Excavation
9:45	Grid F6	ND	0.015	NONE	Excavation
10:00	Grid F6	ND	0.014	NONE	Excavation
10:15	Grid F6	ND	0.022	NONE	Excavation
10:30	Grid F6	ND	0.016	NONE	Excavation
10:45	Grid F6	ND	0.021	NONE	Excavation
11:00	Grid F6	ND	0.017	NONE	Excavation
11:15	Grid F6	ND	0.013	NONE	Excavation
11:30	Grid F6	ND	0.019	NONE	Excavation
11:45	Grid F6	ND	0.020	NONE	Excavation

Work Zone Action Levels

<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>20 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Environmental Consultants

Air Monitoring Log

[illegible]

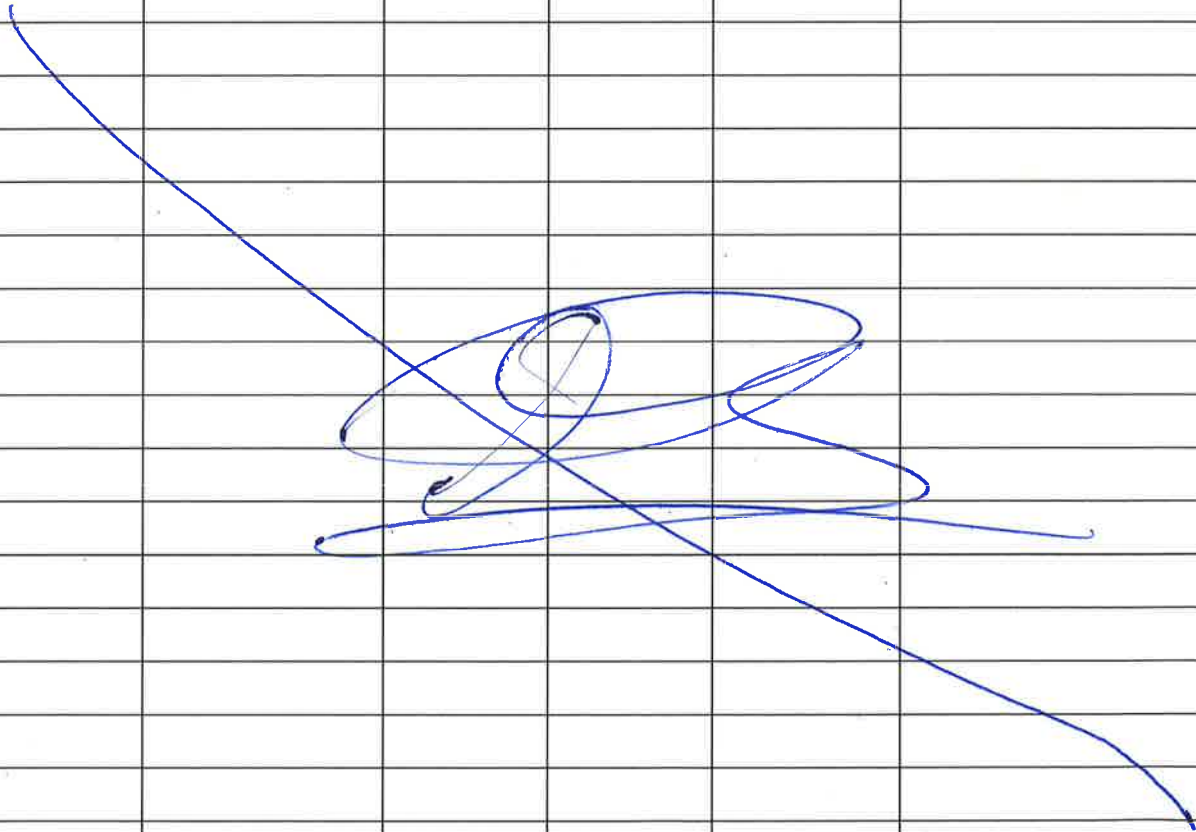
Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Environmental Consultants

Air Monitoring Log

Project:	Flushing Industrial Park	Date:	01/03/17
Work Activity:	+ Pile Drilling North along Parking Garage (Row 2) + Chipping concrete and excavation in Grid FG	Logged By:	MB
		Job No:	30141-0116
Weather:	Reinforced 43°F	Wind Direction:	W
		Wind Speed:	6 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
11:40	NA	NA	NA	NA	BACKGROUND - Upwind Perimeter / Rain
					BACKGROUND - Downwind Perimeter / Rain
NO AIR MONITORING BECAUSE OF RAIN					BACKGROUND - Exclusion/Work Zone / Rain
					Rain
					Rain
15:45	NA	NA	NA	NA	Rain
					

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels (Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project:	Flushing Industrial Park	Date:	01/04/17
Work Activity:	+ Excavation for locating any overhead utility at pile drilling location (Pile 2 - Grid F6) + Pile Drilling in Pile 2 for electric building	Logged By:	MB
Weather:	45°F Cloudy	Job No:	3041-0116
		Wind Direction:	W
		Wind Speed:	1.5 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:45	Grid F6	ND	0.018	NONE	BACKGROUND - Upwind Perimeter
9:00	Grid F6	ND	0.021	NONE	BACKGROUND - Downwind Perimeter
9:15	Grid F6	ND	0.017	NONE	BACKGROUND - Exclusion/Work Zone
9:30	Grid F6	ND	0.024	NONE	Chopping Asphalt
9:45	Grid F6	ND	0.015	NONE	Chopping Asphalt
10:00	Grid F6	ND	0.019	NONE	Chopping Asphalt
10:15	Grid F6	ND	0.025	NONE	Chopping Asphalt
10:30	Grid F6	ND	0.027	NONE	Chopping Asphalt
10:45	Grid F6	ND	0.024	NONE	Chopping Asphalt/Excavation
11:00	Grid F6	ND	0.016	NONE	Excavation/Chopping
11:15	Grid F6	ND	0.023	NONE	Excavation/Jackhammering
11:30	Grid F6	ND	0.019	NONE	Excavation/Jackhammering
11:45	Grid F6	ND	0.018	NONE	Excavation/Jackhammering
12:30	Grid F6	ND	0.029	NONE	Excavation/Jackhammering
12:45	Grid F6	ND	0.031	NONE	Excavation/Jackhammering
13:00	Grid F6	ND	0.027	NONE	Excavation/Jackhammering
13:15	Grid F6	ND	0.033	NONE	Excavation/Jackhammering
13:30	Grid F6	ND	0.040	NONE	Excavation/Jackhammering
13:45	Grid F6	ND	0.031	NONE	Excavation
14:05	Grid F6	ND	0.027	NONE	Excavation
14:15	Grid F6	ND	0.022	NONE	Excavation
14:30	Grid F6	ND	0.030	NONE	Excavation/Jackhammering
14:45	Grid F6	ND	0.025	NONE	Excavation

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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Environmental Consultants

Air Monitoring Log

Project:	Flushing Industrial Park	Date:	01/08/13
Work Activity:	+ Excavation for locating any eventual utility at pile drilling locations (Pencil 2 - and F6) + Pile drilling for Pencil 2 for elevator buildings	Logged By:	MB
Weather:	45°F Cloudy	Job No:	30181-0116
	Wind Direction:	Wind Speed:	

[illegible]

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 01/06/17

Work Activity: *Excavation of RMPA soil in Parcel 2 Grid E6/F6

Logged By: M.B.

+ Air drilling in Parcel 2 for Florida building

Job No: 30141-0116

Weather: 33°F Cloudy Early Inland Shallow

Wind Direction: West

Wind Speed: 7 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
9:00	Grid E6/F6	ND	0.010	NONE	BACKGROUND - Upwind Perimeter
9:15	Grid E6/F6	ND	0.011	NONE	BACKGROUND - Downwind Perimeter
9:30	Grid E6/F6	ND	0.013	NONE	BACKGROUND - Exclusion/Work Zone
9:45	Grid E6/F6	ND	0.020	NONE	Excavation
10:00	Grid E6/F6	ND	0.016	NONE	Excavation
10:15	Grid E6/F6	ND	0.018	NONE	Excavation
10:30	Grid E6/F6	ND	0.021	NONE	Excavation
10:45	Grid E6/F6	ND	0.022	NONE	Excavation
11:00	Grid E6/F6	ND	0.017	NONE	Excavation
11:15	Grid E6/F6	ND	0.022	NONE	Excavation
11:30	Grid E6/F6	ND	0.019	NONE	Excavation
11:45	Grid E6/F6	ND	0.019	NONE	Excavation
12:00	Grid E6/F6	ND	0.018	NONE	Excavation
12:30	Grid E6/F6	ND	0.021	NONE	Excavation
12:45	Grid E6/F6	ND	0.013	NONE	Excavation
13:00	Grid E6/F6	ND	0.018	NONE	Excavation
13:15	Grid E6/F6	ND	0.011	NONE	Excavation
13:30	Grid E6/F6	ND	0.014	NONE	Excavation

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 01/11/17

Work Activity:

+ Reel Drilling in Parcel 2 (West of the Pond)
+ Installation of Sheet Pile Shoring for Trench

Logged By: MB

Job No: 30141-0116

Weather:

Sun and Clouds 48°F

Wind Direction: West

Wind Speed: 8 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
					BACKGROUND - Upwind Perimeter
					BACKGROUND - Downwind Perimeter
					BACKGROUND - Exclusion/Work Zone
NO AIR IS PERFORMED MONITORING MB LEAVES BECAUSE THE EXCAVATION WILL BE PERFORMED TODAY 01/11/17					

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Project: Flushing Industrial Park

Date: 01/19/17

Work Activity: Chopping Asphalt + Excavation of soil in RZA for Pit #7 / Catch Basin
(Parcel 20/Encl F6)

Logged By: MB

Job No: 30141-0116

Weather: Clear ~42°F

Wind Direction: W

Wind Speed: 5mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:10	Encl F6	ND	0.002	NONE	BACKGROUND - Upwind Perimeter
8:25	" "	ND	0.007	NONE	BACKGROUND - Downwind Perimeter
8:40	" "	ND	0.005	NONE	BACKGROUND - Exclusion/Work Zone
9:00	" "	ND	0.004	NONE	Backfilling
9:15	" "	ND	0.003	NONE	Backfilling
9:30	" "	ND	0.005	NONE	Backfilling
9:45	" "	ND	0.007	NONE	Chopping Asphalt
10:00	Encl F6	ND	0.011	NONE	" "
10:15	" "	ND	0.014	NONE	" "
10:30	" "	ND	0.010	NONE	" "
10:45	" "	ND	0.007	NONE	" "
11:00	" "	ND	0.009	NONE	" "
11:15	" "	ND	0.012	NONE	" "
11:30	" "	ND	0.011	NONE	Chopping Asphalt
11:45	" "	ND	0.015	NONE	Excavating
12:00	Encl F6	ND	0.008	NONE	Excavating
12:15	Encl F6	ND	0.016	NONE	Excavating/Chopping
12:30	Encl F6	ND	0.021	NONE	" "
12:45	" "	ND	0.015	NONE	" "
13:00	" "	ND	0.008	NONE	" "
13:15	" "	ND	0.009	NONE	" "
13:30	" "	ND	0.011	NONE	" "
13:45	Encl F6	ND	0.014	NONE	Excavation/Chopping

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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Environmental Consultants

Project: Flushing Industrial Park

Date: 01/19/17

Work Activity:

Work Activity: + Chopping for belt
(Parcel 2/ Parcel F6)

+ Excitation and heavy
soil from Rk + A
Pit #7 (catch 2)

Logged By:

M.C.

Job No:

30141-0116

Weather:

Chlor = 4.7%

Wind Direction:

44

Wind Speed: 5 m/s

01/09/17

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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Date: 01/20/17

Logged By: HB

Job No: 30141

Wind Direction: NE

Wind Speed: 0 mph

[illegible]

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Environmental Consultants

Air Monitoring Log

Date: 01/24/17

Logged By: MB

Job No: 30141-0116

Wind Direction: <i>East</i>	Wind Speed: <i>10 mph</i>
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TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:00	Grid F6	ND	0.005	NONE	BACKGROUND - Upwind Perimeter
8:15	Grid F6	ND	0.007	NONE	BACKGROUND - Downwind Perimeter
8:30	Grid F6	ND	0.008	NONE	BACKGROUND - Exclusion/Work Zone
NO AIR MONITORING IS PERFORMED ON 01/24/17 BECAUSE OF LONG PERIODS OF RAIN					

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 01/26/17

Work Activity: Excavation in Parcel 2/ Grid F6 in slots
input to 5 ft in depth

Logged By: MB

Weather: Rain in the AM. Cloudy by Mid Day

Job No:

Wind Speed:

Wind Direction: East

COMMENTS (activity; work zone, upwind or downwind)

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS
11:30	Grid F6	ND	0.007	NONE	BACKGROUND - Upwind Perimeter
11:45	Grid F6	ND	0.011	NONE	BACKGROUND - Downwind Perimeter
12:00	Grid F6	ND	0.016	NONE	BACKGROUND - Exclusion/Work Zone
12:15	Grid F6	ND	0.013	NONE	Excavation / Staging Lot
12:30	Grid F6	ND	0.014	NONE	"
12:45	Grid F6	ND	0.018	NONE	"
13:00	Grid F6	ND	0.009	NONE	"
13:15	Grid F6	ND	0.010	NONE	"
13:30	Grid F6	ND	0.011	NONE	"
13:45	Grid F6	ND	0.009	NONE	"
14:00	Grid F6	ND	0.014	NONE	"
14:15	Grid F6	ND	0.016	NONE	"
14:30	Grid F6	ND	0.007	NONE	"
14:45	Grid F6	ND	0.009	NONE	"
15:00	Grid F6	ND	0.010	NONE	"
15:15	Grid F6	ND	0.011	NONE	"
15:30	Grid F6	ND	0.011	NONE	Excavation / Staging Lot
15:45	Grid F6	ND	0.022	NONE	"
16:00	Grid F6	ND	0.018	NONE	Excavation / Staging Lot
16:15	Grid F6	ND	0.011	NONE	"
16:30	Grid F6	ND	0.014	NONE	"
16:45	Grid F6	ND	0.018	NONE	Excavation / Staging Lot

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Air Monitoring Log

Project: Flushing Industrial Park

Date: 01/27/17

Work Activity: Excavation for elevator pits in Local 2, Grid F6 + installing sheetpiling at the bulkhead

Logged By: MB

Job No: 30181

Weather: Cloudy 41°F

Wind Direction: East

Wind Speed: 8 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:00	Grid F6	ND	0.004	NONE	BACKGROUND - Upwind Perimeter
8:15	Grid F6	ND	0.003	NONE	BACKGROUND - Downwind Perimeter
8:30	Grid F6	ND	0.005	NONE	BACKGROUND - Exclusion/Work Zone
8:45	Grid F6	ND	0.007	NONE	Excavation / Shoring
9:00	Grid F6	ND	0.011	NONE	Excavation / Shoring
9:15	Grid F6	ND	0.010	NONE	
9:30	Grid F6	ND	0.008	NONE	
9:45	Grid F6	ND	0.009	NONE	
10:00	Grid F6	ND	0.002	NONE	
10:15	Grid F6	ND	0.014	NONE	
10:30	Grid F6	ND	0.018	NONE	
10:45	Grid F6	ND	0.011	NONE	
11:00	Grid F6	ND	0.009	NONE	
11:15	Grid F6	ND	0.010	NONE	
11:30	Grid F6	ND	0.013	NONE	
11:45	Grid F6	ND	0.018	NONE	
12:00	Grid F6	ND	0.015	NONE	
12:15	Grid F6	ND	0.016	NONE	
12:30	Grid F6	ND	0.010	NONE	
12:45	Grid F6	ND	0.019	NONE	
13:00	Grid F6	ND	0.022	NONE	
13:15	Grid F6	ND	0.030	NONE	
13:30	Grid F6	ND	0.015	NONE	Excavation / Shoring

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID>4 ppm above background, or if dust>0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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Project: Flushing Industrial Park

Date: 01/27/17

Work Activity: + Excretion for skeletal part in renal?

Logged By: MB

Job No: 30141-011

Weather: Cloudy 4/07

Wind Direction: East

Wind Speed: 8 mph

[illegible]

Work Zone Action Levels	
OVM	DUST
≤10 ppm: level D	≤5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 01/28/17

Work Activity: + Excavation in Area 2 / Fuel F6 for sloping
South side of elevated pits excavation area
+ Sloping excavated soil

Logged By: MS

Job No: 30141-0116

Weather: Cloudy 38F

Wind Direction: From West Wind Speed: 12 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:45	Fuel F6	ND	0.007	NONE	BACKGROUND - Upwind Perimeter
9:00	Fuel F6	ND	0.009	NONE	BACKGROUND - Downwind Perimeter
9:15	Fuel F6	ND	0.008	NONE	BACKGROUND - Exclusion/Work Zone
9:30	Fuel F6	ND	0.016	NONE	Chopping Asphalt
9:45	Fuel F6	ND	0.022	NONE	Chopping Asphalt
10:00	Fuel F6	ND	0.028	NONE	Chopping Asphalt
10:15	Fuel F6	ND	0.019	NONE	Chopping Asphalt
10:30	Fuel F6	ND	0.023	NONE	Chopping Asphalt
10:45	Fuel F6	ND	0.016	NONE	Excavation / Chopping Asphalt
11:00	Fuel F6	ND	0.014	NONE	" "
11:15	Fuel F6	ND	0.020	NONE	" "
11:30	Fuel F6	ND	0.022	NONE	" "
11:45	Fuel F6	ND	0.024	NONE	" "
12:00	Fuel F6	ND	0.026	NONE	" "
12:45	Fuel F6	ND	0.017	NONE	" "
13:20	Fuel F6	ND	0.019	NONE	" "
13:15	Fuel F6	ND	0.023	NONE	" "
13:30	Fuel F6	ND	0.026	NONE	Excavation / Chopping Asphalt
13:45	Fuel F6	ND	0.015	NONE	" "
14:00	Fuel F6	ND	0.018	NONE	" "
14:15	Fuel F6	ND	0.019	NONE	" "
14:30	Fuel F6	ND	0.023	NONE	Excavation / Chopping Asphalt
14:45	Fuel F6	ND	0.042	NONE	Chopping Asphalt
15:00	Fuel F6	ND	0.019	NONE	Chopping Asphalt

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 01/30/17

Work Activity: Excavation in elevator pits (RME-B soil) from 5 ft to 12 ft. + welding of bulk head

Logged By: MB

Job No: 30141-0116

Weather: Cloudy 36°F

Wind Direction: from West

Wind Speed: 7 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:15	Grid F6	ND	0.009	NONE	BACKGROUND - Upwind Perimeter
8:30	Grid F6	ND	0.011	NONE	BACKGROUND - Downwind Perimeter
8:45	Grid F6	ND	0.018	NONE	BACKGROUND - Exclusion/Work Zone
8:00	Grid F6	ND	0.066	NONE	Excavation / Downwind ↑
9:15	Grid F6	ND	0.082	NONE	
9:30	Grid F6	ND	0.077	NONE	
9:45	Grid F6	ND	0.055	NONE	
10:00	Grid F6	ND	0.019	NONE	
10:15	Grid F6	ND	0.088	NONE	
10:30	Grid F6	ND	0.061	NONE	
10:45	Grid F6	ND	0.039	NONE	
11:00	Grid F6	ND	0.044	NONE	
11:15	Grid F6	ND	0.041	NONE	
11:30	Grid F6	ND	0.037	NONE	
11:45	Grid F6	ND	0.019	NONE	
12:00	Grid F6	ND	0.022	NONE	
12:30	Grid F6	ND	0.030	NONE	
12:45	Grid F6	ND	0.027	NONE	
13:00	Grid F6	ND	0.041	NONE	
13:15	Grid F6	ND	0.010	NONE	
13:30	Grid F6	ND	0.012	NONE	
13:45	Grid F6	ND	0.016	NONE	
14:00	Grid F6	ND	0.021	NONE	Excavation / Downwind ↓

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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Air Monitoring Log

Project: Flushing Industrial Park
Work Activity: + F

Date: 01/30/17

Flushing Industrial Park	
Work Activity:	+ Excavation in elevator pits (MMZ-B rail from 5 ft to 12 ft in depth + Welding at Buell)
Weather:	Cloudy 2/2 =

Logged By: MA

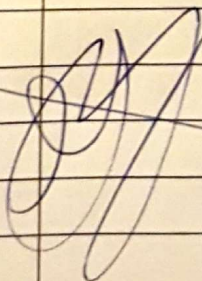
Job No: 30141-0116

Weather: Cloudy 36° F

Wind Direction:

Wind Speed:

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity, work zone, upwind or downwind)
14:15	Grid F6	ND	0.033	NONE	BACKGROUND - Upwind Perimeter
14:30	Grid F6	ND	0.048	NONE	BACKGROUND - Downwind Perimeter
14:45	Grid F6	ND	0.030	NONE	BACKGROUND - Exclusion/Work Zone
15:00	Grid F6	ND	0.04	NONE	Excavation / Stepping Back
15:15	Grid F6	ND	0.050	NONE	Excavation / Stepping Back
15:30	Grid F6	ND	0.037	NONE	Excavation / Stepping Back
15:45	Grid F6	ND	0.044	NONE	Excavation / Stepping Back
16:00	Grid F6	ND	0.023	NONE	Excavation / Stepping Back
16:15	Grid F6	ND	0.033	NONE	Excavation / Stepping Back
16:30	Grid F6	ND	0.048	NONE	Excavation / Stepping Back
16:45	Grid F6	ND	0.052	NONE	Excavation / Stepping Back
17:00	Grid F6	ND	0.064	NONE	Excavation / Stepping Back
17:15	Grid F6	ND	0.028	NONE	Excavation / Stepping Back
17:30	Grid F6	ND	0.033	NONE	Excavation / Stepping Back


 01/30/17

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
> 5 ppm above background: vapor suppression	> 0.1 mg/m ³ above background: dust suppression
> 25 ppm above background: STOP	> 0.15 mg/m ³ above background: STOP

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AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 01/31/17

Work Activity: + Excavation in elipso Pit (RM7-B) at Parcel 2/Quarry
+ Hauling materials and steel tubing at Bul/Ches/

Logged By: MB

Job No: 30181-0116

Weather: Cloudy 34° F (Small at 10 AM)

Wind Direction: From West

Wind Speed: 5 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:00	End F6	ND	0.002	NONE	BACKGROUND - Upwind Perimeter
8:15	End F6	ND	0.006	NONE	BACKGROUND - Downwind Perimeter
8:30	End F6	ND	0.008	NONE	BACKGROUND - Exclusion/Work Zone
8:45	End F6	ND	0.012	NONE	Excavation / Steep Soil
9:00	End F6	ND	0.007	NONE	Excavation / Steep Soil
9:15	End F6	ND	0.011	NONE	↓ ↑
9:30	End F6	ND	0.020	NONE	
9:45	End F6	ND	0.019	NONE	↓ ↑
10:00	End F6	ND	0.017	NONE	Excavation / Steep Soil

BECAUSE OF SNOWING
AIR MONITORING IS
INTERUPTED

10:00 AM

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 02/01/17

Work Activity: + Excavation at Pond 3/Grub A1/A2
+ Collecting samples for A1/A2 - Soil use and
for A1/A2 and A1/A2 soil disposal

Logged By: MB

Job No: 30141

Weather: Cloudy 45°F

Wind Direction: from NW

Wind Speed: 13 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
7:30	Grub A1/A2	ND	0.007	NONE	BACKGROUND - Upwind Perimeter
7:45	Grub A1/A2	ND	0.003	NONE	BACKGROUND - Downwind Perimeter
8:00	Grub A1/A2	ND	0.012	NONE	BACKGROUND - Exclusion/Work Zone
8:15	Grub A1/A2	ND	0.021	NONE	Excavation / Digging Soil
8:30	Grub A1/A2	ND	0.033	NONE	Excavation / Digging Soil
 NO SOIL DISTURBANCE FOR THE REST OF THE DAY AIR MONITORING IS INTERRUPTED 					
02/01/17					

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels
(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: dust suppression
	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 02/02/17

Work Activity: Excavation in RM7-B at elevator building
+ No Excavation at marine Bulkhead

Logged By: MB

Job No: 30161-0116

Weather: Cloudy 36°F

Wind Direction: from West

Wind Speed: 6 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:15	Grid F6	ND	0.007	NONE	BACKGROUND - Upwind Perimeter
8:30	Grid F6	ND	0.011	NONE	BACKGROUND - Downwind Perimeter
8:45	Grid F6	ND	0.009	NONE	BACKGROUND - Exclusion/Work Zone
9:00	Grid F6	ND	0.015	NONE	Excavation / Steeped
9:15	Grid F6	ND	0.013	NONE	
9:30	Grid F6	ND	0.011	NONE	
9:45	Grid F6	ND	0.014	NONE	
10:00	Grid F6	ND	0.016	NONE	
10:15	Grid F6	ND	0.020	NONE	
10:30	Grid F6	ND	0.030	NONE	
10:45	Grid F6	ND	0.044	NONE	
11:00	Grid F6	ND	0.019	NONE	
11:15	Grid F6	ND	0.026	NONE	
11:30	Grid F6	ND	0.018	NONE	
11:45	Grid F6	ND	0.017	NONE	
12:00	Grid F6	ND	0.024	NONE	
12:30	Grid F6	ND	0.019	NONE	
12:45	Grid F6	ND	0.024	NONE	
13:00	Grid F6	ND	0.031	NONE	
13:15	Grid F6	ND	0.040	NONE	
13:30	Grid F6	ND	0.037	NONE	
13:45	Grid F6	ND	0.018	NONE	
14:00	Grid F6	ND	0.015	NONE	Excavation / Steeped

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID>4 ppm above background, or if dust>0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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Environmental Consultants

Air Monitoring Log

Date: 02/02/17

Logged By:

Job No: 3014/-0116

Weather: Cloudy, 36 °F

Wind Direction:

Wind Speed:

Exhibit
10/10/10

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 02/08/17

Work Activity: + Excavation in cluster pits at Parcel 2/Grnd F6
using shovels + No deat at

Logged By: MB

Job No: 30141

Weather: Sunny 33°F

Wind Direction: West

Wind Speed: 10 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:15	Grnd F6	ND	0.007	NONE	BACKGROUND - Upwind Perimeter
8:30	Grnd F6	ND	0.008	NONE	BACKGROUND - Downwind Perimeter
8:45	Grnd F6/Excavation Pits	ND	0.014	NONE	BACKGROUND - Exclusion/Work Zone
9:00	Grnd F6/Excavation Pits	ND	0.052	NONE	Excavation inside Pit
9:15	Grnd F6	ND	0.043	NONE	↑
9:30	Grnd F6	ND	0.055	NONE	
9:45	Grnd F6	ND	0.060	NONE	
10:00	Grnd F6/Excavation Pits	ND	0.044	NONE	
10:15	Grnd F6/Excavation Pits	ND	0.070	NONE	
10:30	Grnd F6/Excavation Pits	ND	0.055	NONE	
10:45	Grnd F6	ND	0.044	NONE	
11:00	Grnd F6	ND	0.039	NONE	
11:15	Grnd F6/Excavation Pits	ND	0.041	NONE	
11:30	Grnd F6	ND	0.050	NONE	
11:45	Grnd F6/Excavation Pits	ND	0.047	NONE	↓
12:00	Grnd F6	ND	0.061	NONE	
12:20	Grnd F6/Excavation Pits	ND	0.048	NONE	
12:45	Grnd F6	ND	0.055	NONE	
13:00	Grnd F6/Excavation Pits	ND	0.037	NONE	
13:15	Grnd F6/Excavation Pits	ND	0.015	NONE	
13:30	Grnd F6	ND	0.040	NONE	
13:45	Grnd F6/Excavation Pits	ND	0.051	NONE	
14:00	Grnd F6/Excavation Pits	ND	0.018	NONE	Excavation Inside Pit

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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Environmental Consultants

Air Monitoring Log

Date: 07/09/17

Logged By: 177

Job No: 3 D/E

Weather: Sunny 33°F

Wind Direction: *SW*

Wind Speed: 10 mph

[illegible]

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 02/06/2007

Work Activity: Elevator pit shovel excavation around pile
Cutting H-piles.

Logged By: CP

Job No: 30401

Weather: Clear, 59°F

Wind Direction: SSE

Wind Speed: 10 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity, work zone, upwind or downwind)
0915	Grid 6 G	0.0	0.007	ND	BACKGROUND - Upwind Perimeter
0930	Grid 6 F	0.0	0.006	ND	BACKGROUND - Downwind Perimeter
0945	Grid 6 G	0.0/ND	0.005	ND	BACKGROUND - Exclusion/Work Zone
1000	"	ND	0.010	ND	
1015	"	ND	0.013	ND	
1030	"	ND	0.011	ND	
1045	"	ND	0.009	ND	
1115	"	ND	0.010	ND	
1145	"	ND	0.021	ND	
Excavation complete for the day					
CP					

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Project: **Flushing Industrial Park** Date: **02/07/17**
 Work Activity: **+ Excavation in R47A at Marine Bulkhead (Phase 3) + Collecting end point samples at cluster pit (Phase 2)** Logged By: **MR**
 Weather: **Rein 37°F** Job No: **30141**
 Wind Direction: **West** Wind Speed: **6 mph**

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
					BACKGROUND - Upwind Perimeter
					BACKGROUND - Downwind Perimeter
					BACKGROUND - Exclusion/Work Zone
BECAUSE OF RAIN AIR MONITORING IS NOT PERFORMED 02/07/17					

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Project: Flushing Industrial Park Date: 02/08/17
Work Activity: + Excavation in Pit 2 - At Home Bulbhead
+ Excavation at Elster Bulb in RMH and AMP Logged By: MB
Job No: 30141
Weather: Sun and Clouds = 50°F Wind Direction: From East Wind Speed: 7 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
7:05	Pit 3 (Gas H/A)	ND	0.022	NONE	BACKGROUND - Upwind Perimeter
7:20	Grid A1/A2	ND	0.034	NONE	BACKGROUND - Downwind Perimeter
7:35	Grid A1/A2	ND	0.040	NONE	BACKGROUND - Exclusion/Work Zone
7:50	Grid A1/A2	ND	0.039	NONE	Excavation / Shoring Bulb
8:05	Grid A1/A2	ND	0.051	NONE	
8:20	Grid A1/A2/A3	ND	0.042	NONE	
8:35	Grid A3	ND	0.055	NONE	
8:50	Grid A3	ND	0.043	NONE	
9:05	Grid A3	ND	0.047	NONE	
9:20	Grid A3	ND	0.051	NONE	
9:35	Grid A2/A3	ND	0.044	NONE	
9:50	Grid A2/A3	ND	0.053	NONE	
10:05	Grid A2/A3	ND	0.080	NONE	
10:20	Grid A3	ND	0.051	NONE	Excavation / Shoring Bulb
10:35	Grid F6	ND	0.029	NONE	Excavation / Shoring / Bulb
10:50	Grid F6	ND	0.021	NONE	
11:05	Grid F6	ND	0.020	NONE	
11:20	Grid F6	ND	0.033	NONE	
11:35	Grid F6	ND	0.040	NONE	
11:50	Grid F6	ND	0.051	NONE	
12:05	Grid F6	ND	0.041	NONE	
12:20	Grid F6	ND	0.028	NONE	
12:45	Grid F6	ND	0.027	NONE	Excavation / Shoring / Bulb

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>50 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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Environmental Consultants

Air Monitoring Log

Date: 02/08/17

Logged By: MB

Job No: 30141

Weather: Sun and Clouds 60°F

Wind Direction:

Wind Speed: 7 mph

[illegible]

Work Zone Action Levels	
OVM	DUST
<10 ppm level D	<5 mg/m ³ : level D
>10 ppm level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PHD > 4 ppm above background, or if dust > 0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 6/15/17

Work Activity:

Bulkhead Example

Logged By: 9/VI

Job No: 52141

Weather: 207

Wind Direction: <i>W 3 W</i>	Wind Speed: <i>17</i>
------------------------------	-----------------------

[illegible]

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Work Activity: Excavation of Marine Bulkhead, Parcel 3
(Grids B3/A4) for the Plate replacement

Date: 02/13/17

Logged By: MCB

Weather: Sun and clouds 36°F

Job No: 3014-0116

Wind Direction: NW Wind Speed: 15 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
7:15	B3/A4	ND	0.022	NONE	BACKGROUND - Upwind Perimeter
7:30	B3/A4	ND	0.018	NONE	BACKGROUND - Downwind Perimeter
7:45	B3/A4	ND	0.025	NONE	BACKGROUND - Exclusion/Work Zone
8:00	B3/A4	ND	0.088	NONE	Excavation
8:15	B3/A4	ND	0.091	NONE	Excavation
8:30	B3/A4	ND	0.077	NONE	Excavation
8:45	B3/A4	ND	0.087	NONE	Welding
9:00	B3/A4	ND	0.081	NONE	Welding
9:15	B3/A4	ND	0.099	NONE	Excavation
9:30	B3/A4	ND	0.072	NONE	Excavation
9:45	B3/A4	ND	0.066	NONE	Welding
10:00	B3/A4	ND	0.026	NONE	Welding
10:15	B3/A4	ND	0.099	NONE	Welding
10:30	A4/B3	ND	0.102	NONE	Welding
10:45	A4/B3	ND	0.055	NONE	Welding
11:15	A4/B3	ND	0.042	NONE	Welding
11:45	B3/A4	ND	0.032	NONE	Welding
12:30	B3/A4	ND	0.050	NONE	Welding
13:00	B3/A4	ND	0.045	NONE	Welding
13:30	B3/A4	ND	0.048	NONE	Welding
14:00	B3/A4	ND	0.077	NONE	Welding
14:15	B3/A4	ND	0.084	NONE	Welding

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Project: Flushing Industrial Park

Date: 02/14/17

Work Activity: + Collecting end point samples in exclusion zone (11-15) ft
at Parcel 2 (Grid F6) + Exclosure in RHPB zone
at Grid F6 + Exclosure at Parcel 3 (Grids B3/A4) Bellhead

Logged By: MB

Job No: 30141

Weather: Sun and Cloudy 35°F

Wind Direction: West

Wind Speed:

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
7:15	Grid F6	ND	0.015	NONE	BACKGROUND - Upwind Perimeter
7:30	Grid F6	ND	0.018	NONE	BACKGROUND - Downwind Perimeter
7:45	Grid F6	ND	0.077	NONE	BACKGROUND - Exclusion/Work Zone
8:00	Grid F6	ND	0.017	NONE	Exclosure / Steep Land
8:15	Grid F6	ND	0.023	NONE	Exclosure / Steep Land
8:30	Grid B3/A4	ND	0.081	NONE	Background - Exclusion/Work
8:45	Grid B3/A4	ND	0.051	NONE	Exclosure / Steep Land
9:00	Grid B3/A4	ND	0.062	NONE	
9:15	Grid B3/A4	ND	0.033	NONE	
9:30	Grid B3/A4	ND	0.080	NONE	
9:45	Grid B3/A4	ND	0.051	NONE	
10:00	Grid B3/A4	ND	0.088	NONE	
10:15	Grid B3/A4	ND	0.060	NONE	
10:30	Grid B3/A4	ND	0.019	NONE	
10:45	Grid B3/A4	ND	0.028	NONE	
11:00	Grid B3/A4	ND	0.015	NONE	
11:15	Grid B3/A4	ND	0.080	NONE	
11:30	Grid B3/A4	ND	0.033	NONE	
11:45	Grid B3/A4	ND	0.028	NONE	
12:00	Grid B3/A4	ND	0.018	NONE	Exclosure / Steep Land

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 02/24/17

Work Activity: + Smoking Soil (RMZ-B soil)

Logged By: M3

Job No: 30121

Weather: Sunny 62°F

Wind Direction: SW

Wind Speed: 7 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity, work zone, upwind or downwind)
6:50	Grids F6/66	ND	0.008	NONE	BACKGROUND - Upwind Perimeter
7:05	Grids F6/66	ND	0.010	NONE	BACKGROUND - Downwind Perimeter
7:20	Grids F6/66	ND	0.015	NONE	BACKGROUND - Exclusion/Work Zone
7:35	↑	ND	0.025	NONE	Smoking Soil
7:50	↑	ND	0.028	NONE	↑
8:05	↑	ND	0.050	NONE	↑
8:20	↑	ND	0.041	NONE	↑
8:35	↑	ND	0.033	NONE	↑
8:50	↑	ND	0.040	NONE	↓
9:05	↑	ND	0.029	NONE	Smoking Soil
9:20	↑	ND	0.042	NONE	Stopping Soil
9:35	↑	ND	0.070	NONE	↑
9:50	↑	ND	0.029	NONE	↑
10:05	↑	ND	0.028	NONE	↓
10:20	↑	ND	0.037	NONE	Stopping Soil
10:35	↑	ND	0.046	NONE	Smoking Soil
10:50	↑	ND	0.051	NONE	Stopping Soil
11:05	↑	ND	0.033	NONE	Stopping Soil
11:20	↑	ND	0.051	NONE	Stopping Soil
11:35	↑	ND	0.034	NONE	Stopping Soil
11:50	↑	ND	0.059	NONE	Smoking Soil
12:05	↓	ND	0.033	NONE	Smoking Soil
12:20	Grids F6/66	ND	0.055	NONE	Smoking Soil

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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AKRF, Inc.
Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 02/24/17

Work Activity: + Trucking Soil (CRM7-B soil)

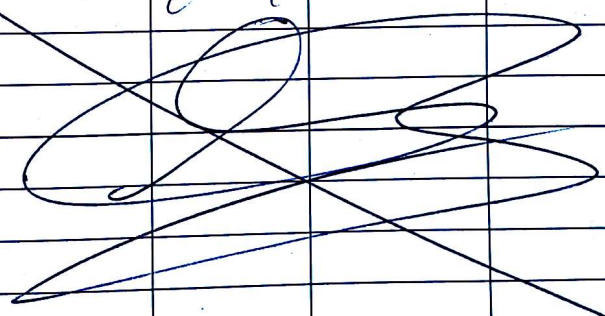
Logged By: MB

Job No: 30181

Weather: Sunny 62°F

Wind Direction: SW

Wind Speed: 7 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
12:35	Grub F6/66	ND	0.029	NONE	BACKGROUND - Upwind Perimeter Trucking Soil
12:50	↑	ND	0.060	NONE	BACKGROUND - Downwind Perimeter Trucking Soil
13:05	↓	ND	0.053	NONE	BACKGROUND - Exclusion/Work Zone Trucking Soil
13:20	↓	ND	0.048	NONE	Trucking Soil
13:35	Grub F6/66	ND	0.062	NONE	Stopping soil
13:50	Grub F6/66	ND	0.039	NONE	Trucking Soil
14:05	Grub F6/66	ND	0.088	NONE	Trucking Soil
14:20	Grub F6/66	ND	0.051	NONE	Trucking Soil
14:40	Grub F6/66	ND	0.047	NONE	Trucking Soil
02/24/17 					

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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Date: 03/02/17

Logged By: 11/13

Job No: 30141-

Wind Direction: 4 to 55 mph Wind Speed: NE

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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Air Monitoring Log

Project: Flushing Industrial Park

Date: 03/03/17

Work Activity: Excavation for the Pond at Marine Building (MFA)
+ Installation of Re-Bars at Elston Building (Elston)

Logged By: MB

Job No: 30181

Weather: Sunny 30°F

Wind Direction: SE

Wind Speed: 15 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
7:00	NW of Marine Building	ND	0.007	NONE	BACKGROUND - Upwind Perimeter
7:15	SE of Marine Building	ND	0.011	NONE	BACKGROUND - Downwind Perimeter
7:30	A4	ND	0.016	NONE	BACKGROUND - Exclusion/Work Zone
7:45	A4	ND	0.023	NONE	Backfilling / Grading
8:00	A4	ND	0.028	NONE	Backfilling / Grading
8:15	A4	ND	0.009	NONE	Backfilling / Grading
8:45	B2	ND	0.016	NONE	No Soil disturbance
8:15	A4	ND	0.033	NONE	No Soil disturbance
9:45	B3	ND	0.052	NONE	No Soil disturbance
10:15	B2/B3	ND	0.080	NONE	Excavation
10:30	B2/B3	ND	0.077	NONE	Excavation
10:45	B2/B3	ND	0.030	NONE	Excavation
11:00	B3	ND	0.054	NONE	Excavation
11:30	B2	ND	0.018	NONE	No Soil disturbance
12:00	B2	ND	0.023	NONE	No Soil disturbance
12:30	B2/B3	ND	0.064	NONE	Excavation / Backfilling
12:45	B2/B3	ND	0.070	NONE	Backfilling
13:00	B2/B3	ND	0.071	NONE	Backfilling
13:15	B3	ND	0.050	NONE	No Soil disturbance
13:45	B3	ND	0.063	NONE	No Soil disturbance
14:00	A4	ND	0.055	NONE	Backfilling
14:15	B2/B3	ND	0.050	NONE	Backfilling

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Project: Flushing Industrial Park

Work Activity: + Excavation in RMTA soil at Grids F6/G6 and B2/B3 + Relocating installation in elevated pot area

Date: 03/06/17

Logged By: HCB

Job No: 30141

Weather: Sunny 75°F

Wind Direction: South

Wind Speed: 10 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity, work zone, upwind or downwind)
7:15	South	ND	0.007	NONE	BACKGROUND - Upwind Perimeter
7:30	North	↑	0.011	↑	BACKGROUND - Downwind Perimeter
7:45	B2/B3	↑	0.012	↑	BACKGROUND - Exclusion/Work Zone
8:00	B2/B3	↑	0.023	↑	Excavation / Relocating
8:15	B2/B3	↑	0.040	↑	
8:30	B2/B3	↑	0.051	↑	
8:45	F6/G6	↑	0.044	↑	
9:00	F6/G6	↑	0.063	↑	
9:15	B2/B3	↑	0.051	↑	
9:30	B2/B3	↑	0.042	↑	
9:45	F6/G6	↑	0.019	↑	
10:00	B2/B3	↑	0.027	↑	
10:15	F6/G6	↑	0.037	↑	
10:30	F6/G6	↑	0.061	↑	
10:45	F6/G6	↑	0.072	↑	
11:00	B2/B3	↑	0.058	↑	
11:15	F6/G6	↑	0.066	↑	
11:30	F6/G6	↑	0.070	↑	
11:45	B2/B3	↑	0.048	↑	
12:30	B2/B3	↑	0.081	↑	
12:45	B2/B3	↑	0.055	↑	
13:00	B2/B3	↑	0.047	↑	
13:15	B2/B3	ND	0.070	NONE	Excavation / Relocating

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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Project: Flushing Industrial Park

Date: 03/06/17

Project:	Flushing	in LMTA zone pit bnds F6/G6
Work Activity:	+ Excavation and B2/B3	+ Reversing in eleva pit over Vepa horizon

Logged By: *[Signature]*

Job No: 3016

Weather: Sunny 34°F

Wind Direction: South	Wind Speed: 10 mph
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[illegible]

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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Air Monitoring Log

Project: Flushing Industrial Park

Date: 03/07/17

Work Activity: + Excavation of Back 3 Grids 32/33
+ Installation of rebar in elute pit (Rd 10)

Logged By: MB

Job No: 30141

Weather: Clear 37°F

Wind Direction: SE

Wind Speed: 7 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
7:10	SE	ND	0.007	NONE	BACKGROUND - Upwind Perimeter
7:25	NE	ND	0.011	NONE	BACKGROUND - Downwind Perimeter
7:40	NA	NA	NA	NONE	BACKGROUND - Exclusion/Work Zone

AIR MONITORING
NOT PERFORMED
BECAUSE
OF RAIN

03/07/17

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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Air Monitoring Log

Project: Flushing Industrial Park

Date: 03/08/17

Work Activity: + Welding, excavation and backfilling at Buis 32/33
+ Rebar and forms installation at Buis 76/66

Logged By: MB

Job No: 30141

Weather: Early light rain then sun and clouds

Wind Direction: NW

Wind Speed: 12 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
7:15	NW	ND	0.007	NONE	BACKGROUND - Upwind Perimeter
7:30	SE	ND	0.011	NONE	BACKGROUND - Downwind Perimeter
7:45	B2/B3	ND	0.014	NONE	BACKGROUND - Exclusion/Work Zone
8:00	NA	NA	NA	NA	Light Rain
8:30	NA	NA	NA	NA	Light Rain
8:00	B2	ND	0.033	NONE	Excavation/Welding
8:15	B3	ND	0.068	NONE	↑
8:30	B3	ND	0.088	NONE	↓
8:45	B2	ND	0.058	NONE	Excavation/Welding
10:00	B2/B3	ND	0.021	NONE	Backfilling
10:15	B3	ND	0.019	NONE	Backfilling
10:30	B3	ND	0.040	NONE	Excavation/Welding
10:45	B2	ND	0.054	NONE	↓
11:15	B2	ND	0.061	NONE	↑
11:30	B2/B3	ND	0.072	NONE	
11:45	B3/B2	ND	0.070	NONE	
12:30	B3	ND	0.053	NONE	
13:00	B3	ND	0.027	NONE	
13:15	B2	ND	0.018	NONE	↓
13:30	B3	ND	0.021	NONE	Excavation/Welding
13:45	B3	ND	0.020	NONE	Backfilling
14:00	B3	ND	0.072	NONE	Backfilling

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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AKRF, Inc.
Air Monitoring Log

Date: 08/08/17

Logged By: *HR*

Job No: 30141

Wind Direction: <i>From West</i>	Wind Speed: <i>20 mph</i>
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[illegible]

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 03/10/17

Work Activity: + Installing R47-B roll from Gals F6/66
+ Stepping R47A roll + Excavation for the Pool.

Logged By: MB

Job No: 30141

Weather: 36°F Snowy the whole day

Wind Direction: East West

Wind Speed: 15 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
6:45	West	ND	0.013	NONE	BACKGROUND - Upwind Perimeter
7:00	East	ND	0.017	NONE	BACKGROUND - Downwind Perimeter
7:15	F6/66	ND	0.020	NONE	BACKGROUND - Exclusion/Work Zone

NO AIR MONITORING

IS PERFORMED

BECAUSE OF

THE SNOW

PRECIPITATION

DURING

WORK

DAY

03/10/17

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Environmental Consultants

Air Monitoring Log

Date: 03/11/17

Logged By: MB

Job No: 30141

Wind Direction:	From SW	Wind Speed:	4 mph
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TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:10	SW	ND	0.011	NONE	BACKGROUND - Upwind Perimeter
8:25	NE	ND	0.08	NONE	BACKGROUND - Downwind Perimeter
8:40	F6/G6	ND	0.014	NONE	BACKGROUND - Exclusion/Work Zone
10:00	F6/G6	ND	0.023	NONE	Excavation / RTA Lail
10:15	F6/G6	ND	0.017	NONE	Excavation / Steeping Lail
10:30	F6/G6	ND	0.016	NONE	↑ ↓
10:45	F6/G6	ND	0.024	NONE	↑ ↓
11:00	F6/G6	ND	0.042	NONE	↑ ↓
11:15	F6/G6	ND	0.050	NONE	Excavation / Steeping Lail
11:30	F6/G6	ND	0.020	NONE	Steeping Lail

03/11/17

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Air Monitoring Log

AKRF, Inc.

Environmental Consultants

Project: Flushing Industrial Park

Date: 03/16/17

Work Activity:

+ Backfilling of Grub F6/66 around Elbeto
not, using previously excavated RMF-A soil
+ Removal of forms around Elbeto Pit.

Logged By:

MB

Job No:

30141

Weather:

Sunny 24°F

Wind Direction:

From South W

Wind Speed:

20 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
9:45	South West	ND	0.007	NONE	BACKGROUND - Upwind Perimeter
10:00	North East	ND	0.006	NONE	BACKGROUND - Downwind Perimeter
10:15	F6/66	ND	0.010	NONE	BACKGROUND - Exclusion/Work Zone
10:30	↑	ND	0.016	NONE	Backfilling ↑ ↓
10:45		ND	0.021	NONE	
11:00		ND	0.018	NONE	
11:15		ND	0.019	NONE	
11:30		ND	0.032	NONE	
11:45		ND	0.030	NONE	
12:30		ND	0.027	NONE	
12:45		ND	0.015	NONE	
13:00		ND	0.016	NONE	
13:15		ND	0.021	NONE	
13:30		ND	0.020	NONE	
13:45		ND	0.014	NONE	
14:00		ND	0.016	NONE	
14:15		ND	0.020	NONE	
14:30		ND	0.018	NONE	
14:45		ND	0.017	NONE	
15:00		ND	0.024	NONE	
15:15		ND	0.017	NONE	
15:30	↓	ND	0.040	NONE	
15:45	F6/66	ND	0.042	NONE	Backfilling

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID>4 ppm above background, or if dust>0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Air Monitoring Log

AKRF, Inc.

Environmental Consultants

Date:

03/17/17

Project: Flushing Industrial Park

Logged By:

MA

Work Activity: + Excavation at F6/G6 in RM7-A soil at elevation pit area + Release of Hot Vapor Pit

Job No:

32181

Weather: 42°F Cloudy and Sun

Wind Direction:

SE

Wind Speed: 7 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity, work zone, upwind or downwind)
7:00	SW	ND	0.011	NONE	BACKGROUND - Upwind Perimeter
7:15	NE	ND	0.014	↑	BACKGROUND - Downwind Perimeter
7:30	F6/G6	ND	0.018	↑	BACKGROUND - Exclusion/Work Zone
7:45	↑	ND	0.024	↑	Excavation / Digging
8:00	↑	ND	0.042	↑	↑
8:15	↑	ND	0.050	↑	↑
8:30	↑	ND	0.033	↑	↑
8:45	↑	ND	0.029	↑	↑
9:00	↑	ND	0.021	↑	↑
9:15	↑	ND	0.018	↑	↑
9:30	↑	ND	0.023	↑	↑
9:45	↑	ND	0.061	↑	↑
10:00	↑	ND	0.073	↑	↑
10:15	↑	ND	0.051	↑	↑
10:30	↑	ND	0.042	↑	↑
10:45	↑	ND	0.033	↑	↑
11:00	↑	ND	0.051	↑	↑
11:15	↑	ND	0.048	↑	↑
11:30	↑	ND	0.054	↑	↑
11:45	↑	ND	0.031	↑	↑
12:00	↑	ND	0.029	↑	↑
12:45	↓	ND	0.060	↓	↓
13:00	F6/G6	ND	0.057	NONE	Excavation / Digging

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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Date: 03/17/17

Logged By: MO

Job No: 3018

Wind Direction: 242

Wind Speed: 7 mph

Excretion /
Staging Lead
Excretion /
Staging Lead
Excretion /
Staging Lead

>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 03/18/17

Work Activity: + No work at main bulkhead
+ Excavation and storage soil (RMHA soil) at
Excavation Pit 100' x 50' x 66'

Logged By: MD

Weather: Cloudy 34°F

Job No: 3014

Wind Direction: NE

Wind Speed: 9 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:00	NE	ND	0.011	NDNE	BACKGROUND - Upwind Perimeter
8:15	SW	ND	0.013		BACKGROUND - Downwind Perimeter
8:30	Grids FG/66	ND	0.017		BACKGROUND - Exclusion/Work Zone
8:45	↑	ND	0.021		Excavation / Heavy Soil
9:00	↑	ND	0.041		
9:15	↑	ND	0.058		
9:30	↑	ND	0.044		
9:45	↑	ND	0.037		
10:00	↑	ND	0.029		
10:15	↑	ND	0.018		
10:30	↑	ND	0.029		
10:45	↑	ND	0.048		
11:00	↑	ND	0.051		
11:15	↑	ND	0.063		
11:30	↑	ND	0.040		
11:45	↑	ND	0.032		
12:30	↑	ND	0.040		
12:45	↑	ND	0.033		
13:00	↑	ND	0.029		
13:15	↑	ND	0.018		
13:30	↑	ND	0.016		
13:45	↑	ND	0.024		
14:00	Grids FG/66	ND	0.032	NDNE	Excavation / Heavy Soil

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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Air Monitoring Log

Project: Flushing Industrial Park

Date: 03/18/17

Flushing Industrial Park	
Work Activity:	+ No work at the marine bulkhead + Excavation and strip of soil (RM) at edge
Weather:	Cloudy

Logged By: 30/4/1

Weather:	Cloudy 34 F	Stagnant (RMA) soil at 1/2 ft	Wind Direction:
TIME			

Job No: 30141
NE Wind Speed: 9 mph

[illegible]

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

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AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 03/20/17

Work Activity: + Stopping RMTA soil at Elvira Building

Logged By: MB

+ Chopping Asphalt at Elvira Building

Job No: 30141

+ Relocation of form clots at main building head end

Wind Direction: West

Wind Speed: 6 mph

Weather: Sunny 48°F

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:00	West	ND	0.008	NONE	BACKGROUND - Upwind Perimeter
8:15	East	ND	0.014	NONE	BACKGROUND - Downwind Perimeter
8:30	F6/G6	ND	0.021	NONE	BACKGROUND - Exclusion/Work Zone
8:45	F6/G6	ND	0.017	NONE	Stopping RMTA Soil / Chopping Asphalt
9:00	F6/G6	ND	0.042	NONE	
9:15	F6/G6	ND	0.019	NONE	
9:30	F6/G6	ND	0.022	NONE	
9:45	F6/G6	ND	0.028	NONE	
10:00	F6/G6	ND	0.018	NONE	
10:15	F6/G6	ND	0.041	NONE	
10:30	F6/G6	ND	0.037	NONE	
10:45	F6/G6	ND	0.061	NONE	
11:00	F6/G6	ND	0.050	NONE	Stopping RMTA Soil / Chopping Asphalt
11:30	F6/G6	ND	0.055	NONE	Chopping Asphalt
12:30	F6/G6	ND	0.032	NONE	Chopping Asphalt / Stopping RMTA soil
12:45	F6/G6	ND	0.040	NONE	
13:00	F6/G6	ND	0.019	NONE	
13:30	F6/G6	ND	0.022	NONE	
13:45	F6/G6	ND	0.028	NONE	
14:00	F6/G6	ND	0.024	NONE	
14:15	F6/G6	ND	0.039	NONE	
14:45	F6/G6	ND	0.040	NONE	Chopping Asphalt / Stopping RMTA soil
15:00	F6/G6	ND	0.046	NONE	Excavation in RMTA soil
15:15	F6/G6	ND	0.051	NONE	Excavation in RMTA soil

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 03/21/17

Work Activity: + Excavation and stripping of H&A soil at Elevator Building
+ Rebar work at Elevator building and at main building
+ Installing tie Rod #21 at Main building

Logged By: MB

Job No: 30161

Weather: 46°F Sunny

Wind Direction: From North West

Wind Speed: 11 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity, work zone, upwind or downwind)
8:00	NK	ND	0.005	NONE	BACKGROUND - Upwind Perimeter
8:15	SE	ND	0.011	NONE	BACKGROUND - Downwind Perimeter
8:30	Field F6/G6	ND	0.018	NONE	BACKGROUND - Exclusion/Work Zone
8:45	F6/G6	ND	0.038	NONE	Excavation/Stripping Soil
9:00	^	ND	0.037	NONE	^
9:15		ND	0.022	NONE	
9:30		ND	0.018	NONE	
9:45		ND	0.011	NONE	
10:00		ND	0.021	NONE	
10:15		ND	0.028	NONE	
10:30		ND	0.015	NONE	
10:45		ND	0.016	NONE	
11:00		ND	0.014	NONE	
11:15		ND	0.022	NONE	
11:30		ND	0.032	NONE	
11:45		ND	0.068	NONE	
12:30		ND	0.052	NONE	
12:45		ND	0.067	NONE	
13:00		ND	0.060	NONE	
13:15		ND	0.068	NONE	
13:30		ND	0.033	NONE	
13:45		ND	0.019	NONE	
14:00	F6/G6	ND	0.028	NONE	Excavation/Stripping Soil

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Project: Flushing Industrial Park

Date: 3/22/17

Work Activity: RMZA soil excavation at Parcel 2 Elevator Building

Logged By: SG

Job No: 30141-0116

Weather: Clear, ~28°F

Wind Direction: NE

Wind Speed: 2 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
09:45	Grids FG/G6 Elevator Bldg	ND	0.027	ND	BACKGROUND - Upwind Perimeter
09:47	" "	ND	0.013	ND	BACKGROUND - Downwind Perimeter
09:48	" "	ND	0.018	ND	BACKGROUND - Exclusion/Work Zone
10:00	Grids FG/G6 Elevator Building	ND	0.033	ND	
10:15	" "	ND	0.018	ND	" "
10:30	" "	ND	0.002	ND	" "
10:45	" "	ND	0.014	ND	" "
11:00	" "	ND	0.006	ND	" "
11:15	" "	ND	0.022	ND	" "
11:30	" "	ND	0.020	ND	" "
11:45	" "	ND	0.007	ND	" "
12:00	" "	ND	0.016	ND	- Lunch Time - Stop
12:45	" "	ND	0.021	ND	- " " - South Side of excav
13:00	" "	ND	0.015	ND	" "
13:15	" "	ND	0.022	ND	" "
13:30	" "	ND	0.028	ND	" "
13:45	" "	ND	0.011	ND	" "
14:00	" "	ND	0.029	ND	" "
14:15	" "	ND	0.018	ND	" "
14:30	" "	ND	0.017	ND	" "
14:45	" "	ND	0.021	ND	Southwest Corner
15:00	" "	ND	0.018	ND	" "

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 03/23/17

Work Activity: + Excavation in RM+1 soil at elevator building
+ Relocation of soil + Relocation and for work at elevator lot
+ Relocation and for work at elevator lot

Logged By: MB

Job No: 30141

Weather: Sunny 38°F

Wind Direction: SW

Wind Speed: 10 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:15	SW	ND	0.007	NONE	BACKGROUND - Upwind Perimeter
8:30	NE	↑	0.013	↑	BACKGROUND - Downwind Perimeter
8:45	Grubs F6/66	↑	0.016	↑	BACKGROUND - Exclusion/Work Zone
9:00	↑	↑	0.036	↑	Excavation/Digging Soil
9:15	↑	↑	0.051	↑	↑
9:30	↑	↑	0.062	↑	↑
9:45	↑	↑	0.012	↑	↑
10:00	↑	↑	0.019	↑	↑
10:15	↑	↑	0.015	↑	↑
10:30	↑	↑	0.021	↑	↑
10:45	↑	↑	0.026	↑	↑
11:00	↑	↑	0.053	↑	↑
11:15	↑	↑	0.044	↑	↑
11:30	↑	↑	0.061	↑	↑
11:45	↑	↑	0.052	↑	↑
12:30	↑	↑	0.043	↑	↑
12:45	↑	↑	0.044	↑	↑
13:00	↑	↑	0.029	↑	↑
13:15	↓	↓	0.031	↓	↓
13:30	Grubs F6/66	ND	0.018	NONE	Excavation/Digging Soil
					

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID>4 ppm above background, or if dust>0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Environmental Consultants

Monitoring Log

Date: 2/30/17

Logged By: C

Job No: 3014

Weather: 45°F Partly cloudy

Wind Direction: East

Wind Speed: 14 mph

[illegible]

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Work Activity: $\pm$ Excavation and Sloping of RM Foot of
elevator building for erecting stormwater pipes

Weather: Sunny 10:15

Job No:

Weather: Sunny 43°F

Wind Direction:

Wind Speed: 7 mph

04/03/17

OVM	DUST
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(Only if PID>4 ppm above background, or if dust>0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Project: **Flushing Industrial Park** Date: **04/05/17**

Work Activity: **+ Excavation in RM7 - 1 soil at Elevator Building**
+ Repair work at elevator pit
+ Moving bulkhead wall vent. Logged By: **MB**

Weather: **50°F Cloudy** Job No: **30141**

Wind Direction: **NW** Wind Speed: **12 mph**

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
9:15	NW of site	ND	0.005	NONE	BACKGROUND - Upwind Perimeter
9:30	SE of site	ND	0.011	NONE	BACKGROUND - Downwind Perimeter
9:45	F6/G6	ND	0.012	NONE	BACKGROUND - Exclusion/Work Zone
10:00	F6/G6	ND	0.031	NONE	Excavation and Steep Soil
10:15	F6/G6	ND	0.042	NONE	
10:30	F6/G6	ND	0.018	NONE	
10:45	F6/G6	ND	0.013	NONE	
11:00	F6/G6	ND	0.024	NONE	
11:15	F6/G6	ND	0.051	NONE	
11:30	F6/G6	ND	0.077	NONE	
11:45	F6/G6	ND	0.058	NONE	
12:00	F6/G6	ND	0.107	NONE	
12:15	F6/G6	ND	0.088	NONE	
12:30	F6/G6	ND	0.053	NONE	
12:45	F6/G6	ND	0.037	NONE	Excavation and Steep Soil
13:00	F6/G6	ND	0.029	NONE	
13:15	F6/G6	ND	0.018	NONE	
13:30	F6/G6	ND	0.021	NONE	
13:45	F6/G6	ND	0.033	NONE	
14:00	F6/G6	ND	0.047	NONE	
14:15	F6/G6	ND	0.040	NONE	
14:30	F6/G6	ND	0.051	NONE	
14:45	F6/G6	ND	0.023	NONE	
15:00	F6/G6	ND	NONE	NONE	Excavation and Steep Soil

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels
(Only if PID>4 ppm above background, or if dust>0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Date: 04/07/17

Project: Flushing Industrial Park

Logged By: M3

Work Activity:

+ Filling cans at F6/G6 + Excavation at F6/G6
+ Backfilling at F6/G6 + Pellets and concrete pouring
at massive bulkhead

Job No:

30141

Weather:

53°F Cloudy with some rain

Wind Direction:

SW

Wind Speed: 6 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
9:30	SW of Grid	ND	0.007	NONE	BACKGROUND - Upwind Perimeter
9:45	NE of Grid	ND	0.010	NONE	BACKGROUND - Downwind Perimeter
10:00	F6/G6	ND	0.013	NONE	BACKGROUND - Exclusion/Work Zone
10:15	F6/G6	ND	0.023	NONE	Backfilling using RHT soil
10:30	F6/G6	ND	0.019	NONE	
10:45	F6/G6	ND	0.022	NONE	
11:00	F6/G6	ND	0.028	NONE	
11:15	F6/G6	ND	0.018	NONE	
11:30	F6/G6	ND	0.017	NONE	
11:45	F6/G6	ND	0.040	NONE	
12:00	F6/G6	ND	0.042	NONE	
12:30	F6/G6	ND	0.039	NONE	
12:45	F6/G6	ND	0.032	NONE	
13:00	F6/G6	ND	0.040	NONE	
13:15	F6/G6	ND	0.036	NONE	
13:30	F6/G6	ND	0.027	NONE	
13:45	F6/G6	ND	0.024	NONE	
14:00	F6/G6	ND	0.018	NONE	
14:15	F6/G6	ND	0.015	NONE	Backfilling using RHT soil
14:30	F6/G6	ND	0.022	NONE	
14:45	F6/G6	ND	0.019	NONE	
15:00	F6/G6	ND	0.041	NONE	
15:15	F6/G6	ND	0.037	NONE	

Work Zone Action Levels

OVM DUST

<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM

DUST

>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Air Monitoring Log

AKRF, Inc.

Environmental Consultants

Date: 04/03/17

Project: Flushing Industrial Park

Logged By: J. O'Neil

Work Activity: + Backfilling at F6/66
+ Pole legs work at F6/66

Job No: 30141

Wind Speed: 15 mph

Weather: Sunny 53°F

Wind Direction: Variable

COMMENTS (activity; work zone, upwind or downwind)

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS
9:30	NW of F6/66	ND	0.010	NONE	BACKGROUND - Upwind Perimeter
9:45	SW of F6/66	ND	0.014	NONE	BACKGROUND - Downwind Perimeter
10:00	F6/66	ND	0.016	NONE	BACKGROUND - Exclusion/Work Zone
10:15	F6/66	ND	0.030	NONE	Backfilling using RM #1 Soil
10:30	F6/66	ND	0.027	NONE	
10:45	F6/66	ND	0.018	NONE	
11:00	F6/66	ND	0.022	NONE	
11:15	F6/66	ND	0.040	NONE	
11:30	F6/66	ND	0.037	NONE	
11:45	F6/66	ND	0.033	NONE	
12:00	F6/66	ND	0.053	NONE	
12:30	F6/66	ND	0.066	NONE	
12:45	F6/66	ND	0.070	NONE	
13:00	F6/66	ND	0.064	NONE	Backfilling using RM #1 Soil
13:15	F6/66	ND	0.050	NONE	
13:30	F6/66	ND	0.021	NONE	
13:45	F6/66	ND	0.018	NONE	

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Work Activity:	+ Backfilling around dike pit using soil + Pick up related work at dike building
Weather:	Sun 68°F

Date: 04/10/17

Logged By:

Job No: 30141

Weather:	Sunny	68°F
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Wind Direction: S W

Wind Speed: 5 mph

[illegible]

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 08/11/17

Work Activity: + Excavation in RMT-1 soil for catch basin installation at Grids F6/G6 + Pole Cap along railroad Corridor at F6/G6

Logged By: H.B.

Job No: 30147

Weather: Sunny High 80°F

Wind Direction: N/E

Wind Speed: 6 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
9:30	Mt. of Life	ND	0.007	NONE	BACKGROUND - Upwind Perimeter
9:45	SE of Life	ND	0.010	NONE	BACKGROUND - Downwind Perimeter
10:00	F6/G6	ND	0.010	NONE	BACKGROUND - Exclusion/Work Zone
11:00	F6/G6	ND	0.022	NONE	No Excavation / Pole Cap work
11:45	F6/G6	ND	0.032	NONE	No Excavation / Pole Cap work
12:30	F6/G6	ND	0.025	NONE	Excavation in RMT-1 soil
12:45	F6/G6	ND	0.027	NONE	
13:00	F6/G6	ND	0.040	NONE	
13:15	F6/G6	ND	0.061	NONE	
13:30	F6/G6	ND	0.066	NONE	
13:45	F6/G6	ND	0.072	NONE	
14:00	F6/G6	ND	0.070	NONE	
14:15	F6/G6	ND	0.053	NONE	
14:30	F6/G6	ND	0.067	NONE	
14:45	F6/G6	ND	0.061	NONE	
15:00	F6/G6	ND	0.055	NONE	
15:15	F6/G6	ND	0.047	NONE	Excavation in RMT-1 soil

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID>4 ppm above background, or if dust>0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

Environmental Consultants

Air Monitoring Log

Date:

Work Activity:

Logged By:

Job No:

Weather:**Wind Direction:**

Wind Speed:

[illegible]

Work Zone Action Levels	
OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125mg/m ³ : STOP

Community (Perimeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 04/14/17

Work Activity: + Excavation in RMA and in RMA B soil at
elevator building (Grids F6/G6)
+ Pile caps and form work for pile capping

Logged By: YB

Job No: 30141

Weather: Cloudy with rain at 11 AM

Wind Direction: South

Wind Speed: 4 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
9:45	South of Grid	ND	0.011	NONE	BACKGROUND - Upwind Perimeter
10:00	North of Grid	ND	0.010	NONE	BACKGROUND - Downwind Perimeter
10:15	F6/G6	ND	0.012	NONE	BACKGROUND - Exclusion/Work Zone
11:15	F6/G6	ND	0.029	NONE	Pile Capping Work
11:45	F6/G6	ND	0.058	NONE	Loading asphalt in container
12:00	F6/G6	ND	0.064	NONE	Loading chopped asphalt in container
12:30	F6/G6	ND	0.051	NONE	Excavation/Stopping soil
12:45	F6/G6	ND	0.044	NONE	
13:00	F6/G6	ND	0.063	NONE	
13:15	F6/G6	ND	0.057	NONE	
13:30	F6/G6	ND	0.080	NONE	
13:45	F6/G6	ND	0.071	NONE	
14:00	F6/G6	ND	0.066	NONE	
14:15	F6/G6	ND	0.046	NONE	
14:30	F6/G6	ND	0.037	NONE	
14:45	F6/G6	ND	0.019	NONE	
15:00	F6/G6	ND	0.044	NONE	
15:15	F6/G6	ND	0.086	NONE	
15:30	F6/G6	ND	0.040	NONE	
15:45	F6/G6	ND	0.055	NONE	Excavation/Stopping Soil

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 04/22/17

Work Activity: Backfilling around deletion pit
at Elevator Building. RM 7A not used.

Logged By: MB

Job No: 30141

Weather: Sun and Clouds 62°F

Wind Direction: From SW

Wind Speed: 7 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
9:15	SW	ND	0.007	NONE	BACKGROUND - Upwind Perimeter
9:30	NE	ND	0.009	NONE	BACKGROUND - Downwind Perimeter
9:45	F6/66	ND	0.012	NONE	BACKGROUND - Exclusion/Work Zone
10:00	F6/66	ND	0.023	NONE	Backfilling ↑ ↓
10:15	F6/66	ND	0.051	NONE	
10:30	F6/66	ND	0.066	NONE	
10:45	F6/66	ND	0.068	NONE	
11:00	F6/66	ND	0.072	NONE	
11:15	F6/66	ND	0.055	NONE	
11:30	F6/66	ND	0.080	NONE	
11:45	F6/66	ND	0.053	NONE	
12:00	F6/66	ND	0.061	NONE	
12:15	F6/66	ND	0.029	NONE	
12:45	F6/66	ND	0.048	NONE	
13:00	F6/66	ND	0.066	NONE	
13:15	F6/66	ND	0.072	NONE	
13:30	F6/66	ND	0.070	NONE	
13:45	F6/66	ND	0.055	NONE	
14:00	F6/66	ND	0.048	NONE	
14:15	F6/66	ND	0.072	NONE	
14:30	F6/66	ND	0.033	NONE	
14:45	F6/66	ND	0.024	NONE	
15:00	F6/66	ND	0.047	NONE	Backfilling
15:15	F6/66	ND	NONE	Backfilling	

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

 Project: **Flushing Industrial Park**

 Work Activity: *+ Excavation in RMZ - Area of Guts F6/66 for catch basin installation + chipping/cutting catch basin*

 Date: *05/10/17*

 Logged By: *MR*

 Job No: *30181*

 Weather: *Sunny High 63*

 Wind Direction: *NE* Wind Speed: *5 mph*

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
10:15	<i>SW of site</i>	<i>ND</i>	<i>0.029</i>	<i>NONE</i>	BACKGROUND - Upwind Perimeter
10:30	<i>NE of site</i>	<i>ND</i>	<i>0.021</i>	<i>NONE</i>	BACKGROUND - Downwind Perimeter
10:45	<i>F6/66</i>	<i>ND</i>	<i>0.033</i>	<i>NONE</i>	BACKGROUND - Exclusion/Work Zone
11:00	<i>F6/66</i>	<i>ND</i>	<i>0.042</i>	<i>NONE</i>	<i>Excavation / chipping</i>
11:15	<i>F6/66</i>	<i>ND</i>	<i>0.052</i>	<i>NONE</i>	<i>chipping concrete</i>
11:30	<i>F6/66</i>	<i>ND</i>	<i>0.084</i>	<i>NONE</i>	<i>chipping concrete</i>
11:45	<i>F6/66</i>	<i>ND</i>	<i>0.089</i>	<i>NONE</i>	<i>chipping concrete</i>
12:15	<i>F6/66</i>	<i>ND</i>	<i>0.080</i>	<i>NONE</i>	<i>chipping catch basin concrete</i>
12:45	<i>F6/66</i>	<i>ND</i>	<i>0.092</i>	<i>NONE</i>	<i>chipping catch basin</i>
13:30	<i>F6/66</i>	<i>ND</i>	<i>0.103</i>	<i>NONE</i>	<i>chipping catch basin</i>
14:00	<i>F6/66</i>	<i>ND</i>	<i>0.088</i>	<i>NONE</i>	<i>Backfilling</i>
14:15	<i>F6/66</i>	<i>ND</i>	<i>0.059</i>	<i>NONE</i>	<i>Backfilling</i>
14:30	<i>F6/66</i>	<i>ND</i>	<i>0.061</i>	<i>NONE</i>	<i>Backfilling</i>
14:45	<i>F6/66</i>	<i>ND</i>	<i>0.047</i>	<i>NONE</i>	<i>Backfilling</i>
15:00	<i>F6/66</i>	<i>ND</i>	<i>0.039</i>	<i>NONE</i>	<i>Backfilling</i>
15:15	<i>F6/66</i>	<i>ND</i>	<i>0.040</i>	<i>NONE</i>	<i>Backfilling</i>
15:30	<i>F6/66</i>	<i>ND</i>	<i>0.055</i>	<i>NONE</i>	<i>Backfilling</i>
<i>05/10/17</i>					

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m ³ above background in Work Zone)	
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

AKRF, Inc.

Environmental Consultants

Air Monitoring Log

Project: Flushing Industrial Park

Date: 5/11/17

Work Activity: Installing Catch Basin - Grid Cell H6 - Parcel 11

Logged By: SG

Job No: 30141

Weather: Clear - 55° - 60°F

Wind Direction:

Wind Speed:

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
09:30	Grid Cell H6	NA	0.076	ND	BACKGROUND - Upwind Perimeter
09:32		NA	0.015	ND	BACKGROUND - Downwind Perimeter
09:35		NA	0.003	ND	BACKGROUND - Exclusion/Work Zone
10:44		NA	0.001	ND	SG BG - UW
10:45			0.003	ND	SG BG - WZ
10:46			0.004	ND	SG BG - DW
10:55		0.0	—	ND	Background-PID-upwind
10:57		0.0	—	ND	Background-PID-Downwind
10:59		0.0	—	ND	Background-PID-Exclusion Zone
11:29		0.0	0.015	ND	SG Background upwind
11:31		0.0	0.060	ND	SG Background exclusion zone
11:32		0.0	0.029	ND	SG Background downwind
11:59		0.1	0.002	ND	SG Background UW
12:01		0.1	0.008	ND	SG Background WZ
12:03		0.1	0.002	ND	SG Background DW
12:30		0.0	0.012	ND	Leak - Stop Air Monitoring
13:27		0.0	0.007	ND	exclusion zone
14:00		0.0	0.005	ND	exclusion zone
14:33		0.0	0.000	ND	exclusion zone
14:47		0.0	0.001	ND	exclusion zone - Final Recovery

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

* Note: The PID was plugged in to charge at Day's end on 5/10/17, but was unplugged overnight by accident. PID plugged in to charge at 9am and installed backup battery.
 * - At 10:50 - Calibrate PID (mini:RAE 3000) and start air monitoring.

Air Monitoring Log

AKRF, Inc.

Environmental Consultants

Date: 05/16/17

Project: Flushing Industrial Park

Work Activity: Backfilling of air catch basin and piping at Parcel 3 for Asplandale + Excavation of Parcel 3 for Asplandale

Logged By: MB

Job No: 30141

Weather: Sunny High 70s

Wind Direction: NE

Wind Speed: 10 mph

TIME	LOCATION	PID (ppm)	DUST (mg/m ³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:30	SU of Lake	ND	0.021	NONE	BACKGROUND - Upwind Perimeter
8:45	NE of Lake	ND	0.025	NONE	BACKGROUND - Downwind Perimeter
8:00	F6/G6	ND	0.024	NONE	BACKGROUND - Exclusion/Work Zone
12:30	F6/G6	ND	0.031	NONE	Backfilling / Piping
12:45	F6/G6	ND	0.042	NONE	Backfilling Parcel 2
13:00	F6/G6	ND	0.051	NONE	↓ ↑
13:15	F6/G6	ND	0.048	NONE	
13:30	F6/G6	ND	0.070	NONE	
13:45	F6/G6	ND	0.061	NONE	
14:00	F6/G6	ND	0.068	NONE	
14:15	F6/G6	ND	0.072	NONE	Backfilling Parcel 2
14:30	B2	ND	0.055	NONE	Parcel 3 / Excavation
14:45	B2	ND	0.062	NONE	↓ ↑
15:00	B2	ND	0.028	NONE	
15:15	B2	ND	0.033	NONE	↓ ↑
15:30	B2	ND	0.028	NONE	
15:45	B2	ND	0.028	NONE	↓ ↑
16:00	B2	ND	0.040	NONE	Parcel 3 / Excavation

Work Zone Action Levels

OVM	DUST
<10 ppm: level D	<5 mg/m ³ : level D
>10 ppm: level C	>2.5 mg/m ³ : dust suppression
>500 ppm: STOP	>5 mg/m ³ : level C
	>125 mg/m ³ : STOP

Community (Perimeter) Action Levels

(Only if PID > 4 ppm above background, or if dust > 0.75 mg/m³ above background in Work Zone)

OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m ³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m ³ above background: STOP

APPENDIX H
SITE COVER INSPECTION LOG AND PHOTOGRAPHS

SITE COVER INSPECTION FORM
FLUSHING INDUSTRIAL PARK, PARCELS 1, 2 AND 3
COLLEGE POINT BOULEVARD AND 40TH ROAD, FLUSHING, NEW YORK

Inspector: Steve Grens of AKRF, Inc.

Date: May 8, 2017

1. Landscaped areas:

Adequate top soil cover present?

No landscaped areas other than raised concrete planters (placed on top of pavement site cap).

Signs of erosion?

N/A

Recommended corrective action:

N/A

2. Outdoor paving/sidewalks:

Note any signs of cracking or other damage:

Portions of the site cover were removed on the southwestern portion of Parcel 1 and the Southeastern portion of Parcel 2 for construction of the SVP West Entrance Pavilion, and on the northwestern portion of Parcel 3 for the esplanade construction. Site cover repairs will be made following completion of construction in these areas. No other signs of significant cracking or damage observed on any of the concrete or asphalt-paved parking areas, loading dock areas, concrete sidewalks.

Note any areas where greater than 25% of surface is cracked/damaged:

No areas greater than 25% surface damage were observed.

Recommended corrective action:

No corrective actions are recommended.

3. Lower level retail and garage slabs:

Note any signs of cracking or other damage:

Minor cracks were observed on the concrete floor slab in the residential and retail parking garages.

Note any areas where greater than 25% of surface is cracked/damaged:

No areas greater than 25% surface damage were observed.

Recommended corrective action:

The cracks noted on the concrete floor were minimal. No corrective actions are warranted at this time.

Comments (attach photos/sketches to illustrate any damage noted):

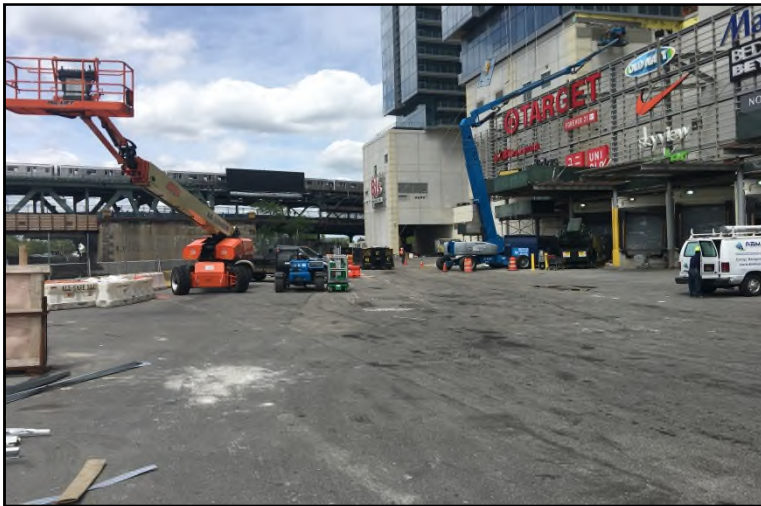
See attached photos of site cover conditions observed during May 8, 2017 inspection



Photograph 1: The northwestern portion of the Property (Parcels 2 and 3).



Photograph 2: The western portion of the Property (Parcels 2 and 3).



Photograph 3: The western portion of the Property (Parcels 2 and 3).



Photograph 4: The southwestern portion of the Property (Parcel 3).



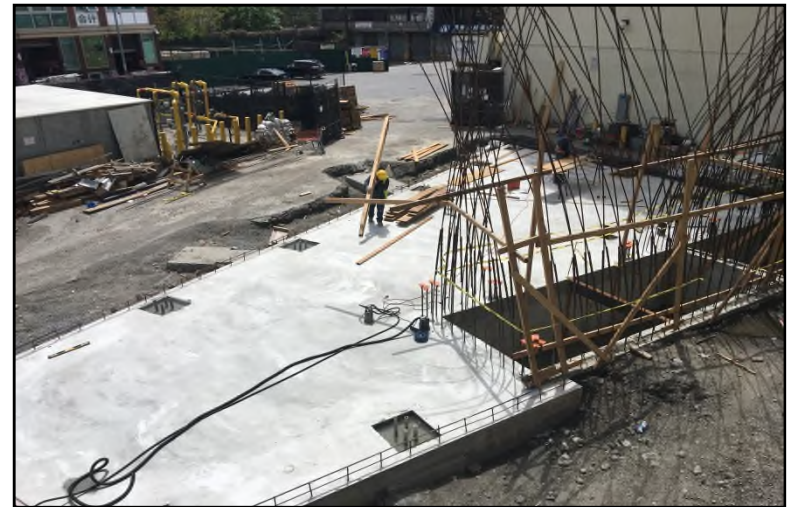
Photograph 5: View of the western portion of the Property where the site cover was removed for construction of the esplanade (Parcel 3).



Photograph 6: The retail space and residential towers on the northeastern portion of the Property (Parcel 1).



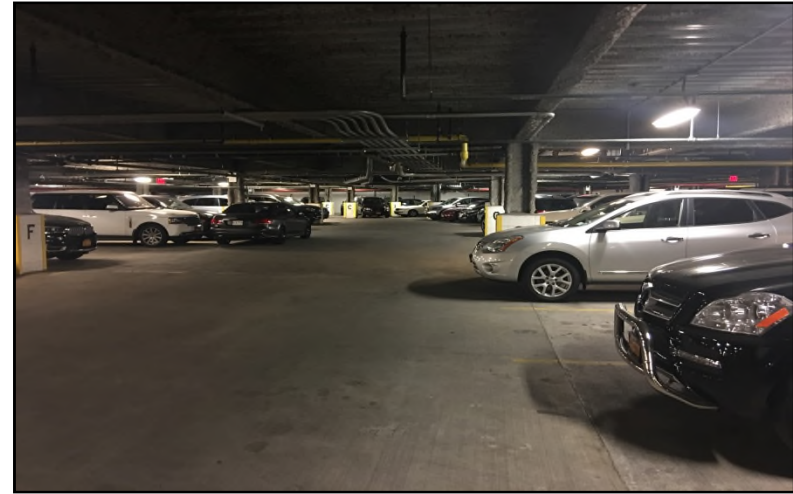
Photograph 7: The residential Towers atop the western retail podium (Parcel 2).



Photograph 8: The SVP West Entrance Pavilion foundation slab (Parcels 1 and 2).



Photograph 9: Concrete slab as part of the site cover in the western retail building (Parcel 2).



Photograph 10: Concrete slab in the parking garage, as part of the site cover beneath the eastern retail building (Parcel 1).



Photograph 11: Concrete slab as part of the site cover in the ground floor parking garage between the western and eastern retail buildings (Parcels 1 and 2).



Photograph 12: Newly constructed SSDS pipe enclosure equipped with louvers atop the western retail podium (Parcel 2).

APPENDIX I
SSDS LOUVER INSTALLATION DETAILS

ARCHITECTURAL L·O·U·V·E·R·S

266 West Mitchell Ave - Cincinnati, OH 45232

PH: (888) 568-8371 Fax: (888) 568-8370

Schedule

**Flushing Town
Center**

12/13/2016

Spec. Section:

Manufacturer: Architectural Louvers

Submitted By: Heather Williams

Contractor: BuildingRite LLC

Contact Name: Trisha Murray

Project Name: Flushing Town Center

Architect:

Project Location: Flushing Queens, NY

Engineer:

PRODUCT SPECIFICATIONS

Model: E6WH - 6" Deep 45° Horiz Blade

Undersize: actual size will be 0.25 " under listed sizes

Product Type: WDR Storm Louvers

Minimum Single Section Size: 10"W x 10"H

Material Type: Extruded Aluminum (Std);

Maximum Single Section Size: 96"W x 60"H

Material Gauge: .081" Blade & Frame (Std);

60"W x 120"H

Construction: Hidden HD Mullion;

Free Area 48" W x 48" H: 54.4%

Frame Style: Channel C Frame;

First Point Water Penetration: 1250 **F.P.M.**

Screen Type: Bird Screen Alum 1/2" Woven (.063) Wire;

Mount Options: Mounting Clips (shipped loose);

Insulation:

Design Structural Loading: 30 PSF;

Add On Option:

Misc Option:

Finish: Kynar (2 coat) Std. Color;

Color: Color: Anodic Clear;

LINE ITEM DETAIL

#	Qty	Width	Height	Notes	Tag ID	Free Area %	Ea Free Area SF	Ttl Free Area SF	Shape
1	1	120.00	10.00			36.7%	3.14	3.14	Standard Rectangular;
2	1	108.00	10.00		L23	36.6%	2.82	2.82	Standard Rectangular;

2 Total Qty

AKR Engineering, P.C.
440 Park Avenue South, New York, NY 10016

☐ CONFORMS.

☒ CONFORMS AS NOTED.

☐ REVISE AS NOTED AND RESUBMIT.

☐ REJECTED, RESUBMIT.

☐ REVIEW NOT REQUIRED.

BY ERIC PARK

DATE 11/17/2017

THIS DOCUMENT HAS BEEN REVIEWED FOR
GENERAL CONFORMANCE WITH THE DESIGN
CONCEPT ONLY.

This review does not relieve the contractor
or any subcontractor of responsibility for
full compliance with contract requirements;
for correctness of dimensions, clearances
and material quantities; for proper design
of details; for proper fabrication and construction techniques; for proper coordination
with other trades; and for providing all
devices required for safe and satisfactory
construction and operation.

Tuesday, December 13, 2016

Quote Number 1216089-1

Page 1 of 1

ARCHITECTURAL LOUVERS WILL NOT BE RESPONSIBLE FOR ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND THE ACTUAL SITE CONDITIONS IF NOT NOTED ON THESE DRAWINGS PRIOR TO FAB.

DESIGN REVIEW AND APPROVAL

RELEASE FOR FABRICATION WILL NOT COMMENCE UNTIL THIS SECTION HAS BEEN COMPLETED BY THE AUTHORIZED DESIGN PROFESSIONAL AND RETURNED TO ARCHITECTURAL LOUVERS.

- ☐ APPROVED
- ☐ APPROVED AS NOTED
- ☐ REVISE AND RESUBMIT
- ☐ REJECT - RESUBMIT

BY: _____ DATE: _____

FIELD VERIFICATION OF QTY, SIZE, AND CONDITIONS

SUBMITTALS REFLECT ARCHITECTURAL LOUVERS BEST INTERPRETATION OF THE CONTRACT DOCUMENTS PROVIDED. ALL QUANTITIES, SIZES, AND MOUNTING CONDITIONS. FABRICATION WILL NOT COMMENCE UNTIL THIS SECTION HAS BEEN COMPLETED BY THE AUTHORIZED FIELD REPRESENTATIVE AND RETURNED. ANY ANY DEVIATIONS FROM OUR INTERPRETATION OF THE CONTRACT MUST BE NOTED AND FORWARDED TO ARCHITECTURAL LOUVERS PRIOR TO FABRICATION.

BY: _____ DATE: _____

DEVIATIONS FROM STANDARD CONSTRUCTION:

1. NONE
2.
3.
4.

PROJECT FLUSHING TOWN CENTER

ARCHITECT ARCHITECT

CUSTOMER BUILDINGRITE

REP. ARCHITECTURAL LOUVERS

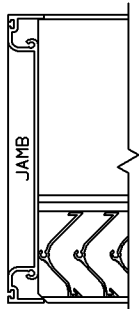
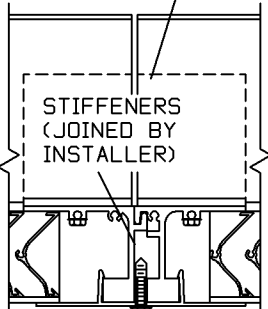
THIS DRAWING AND THE INFORMATION CONTAINED WITHIN IT IS THE PROPERTY OF ARCHITECTURAL LOUVERS AND CANNOT BE REPRODUCED WITHOUT THE EXPRESSED WRITTEN CONSENT OF ARCHITECTURAL LOUVERS.

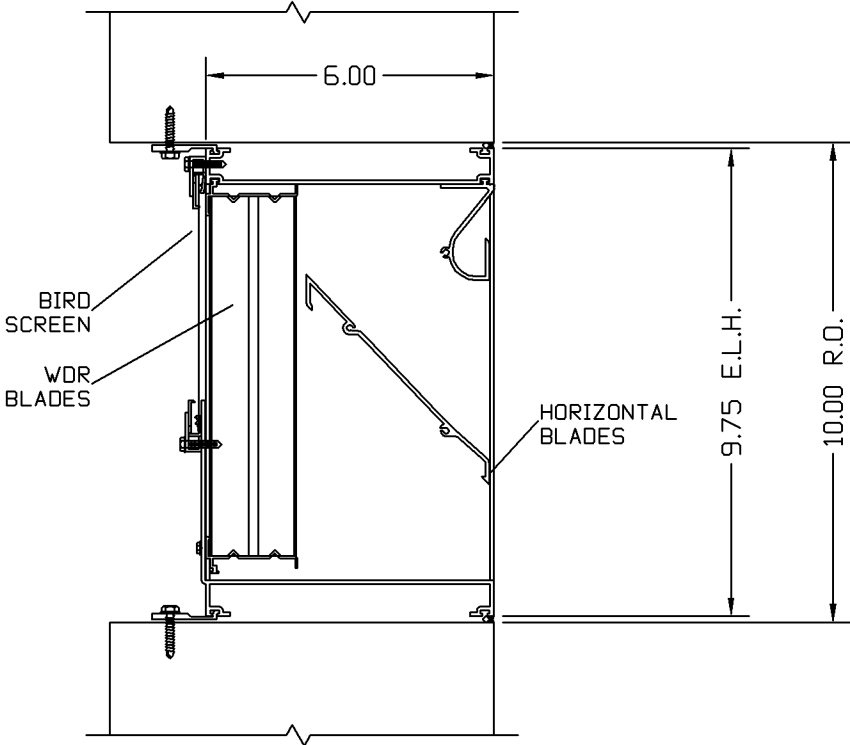
ARCHITECTURAL
LOUVERS

266 W Mitchell Ave - Cincinnati, OH 45232
PH: (888) 568-8371 Fax: (888) 568-8370

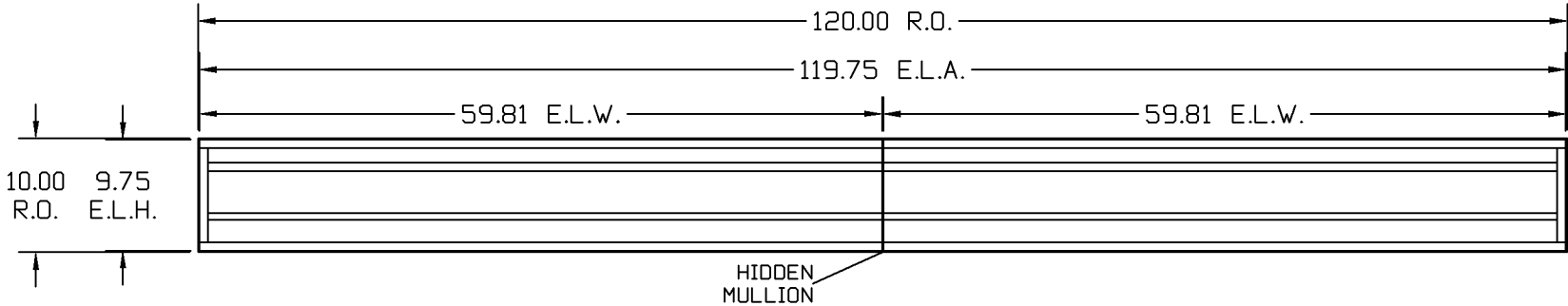
REV	DESCRIPTION	DATE	APPR
DRAWING TYPE			
SUBMITTAL			
APPROVED BY JR	DRAWING TITLE E6WH SPECS DETAILS		
DRAWN BY SM			
DATE DRAWN 12/09/16	SCALE 1:4-UOI	SHT. NO. 1	NO. SHTS. 1
MCL NO.	DRAWING NO. 1216089	REV. 0	

FINISH:_____ KYNAR 2-COAT COLOR: ANODIC CLEAR _____

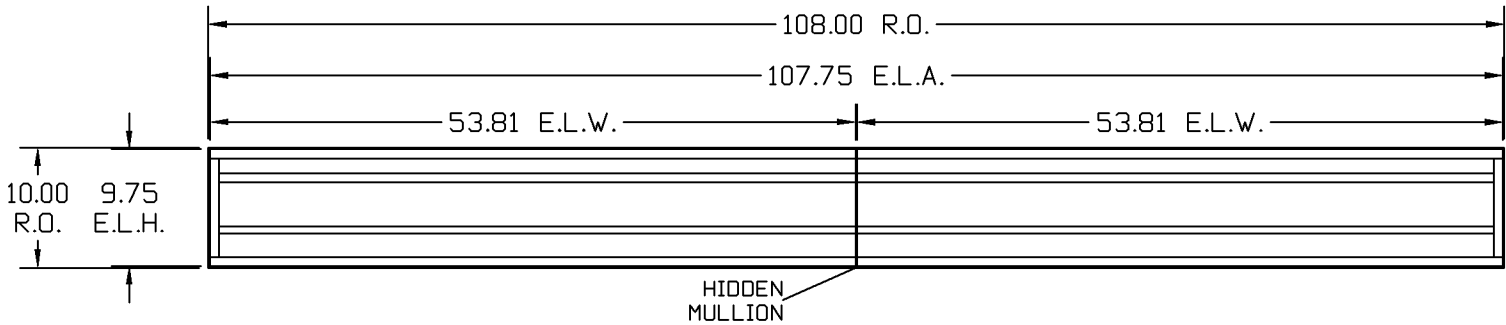
FRAME STYLE *	VERTICAL MULLION (MULTIPLE PANELS WIDE)
EXTERIOR	EXTERIOR
	
CHANNEL "C" FRAME	HIDDEN



SECTION A-A



ELEVATION TYPE 1
SCALE 1:16



ELEVATION TYPE 2
SCALE 1:16

architectsAlliance

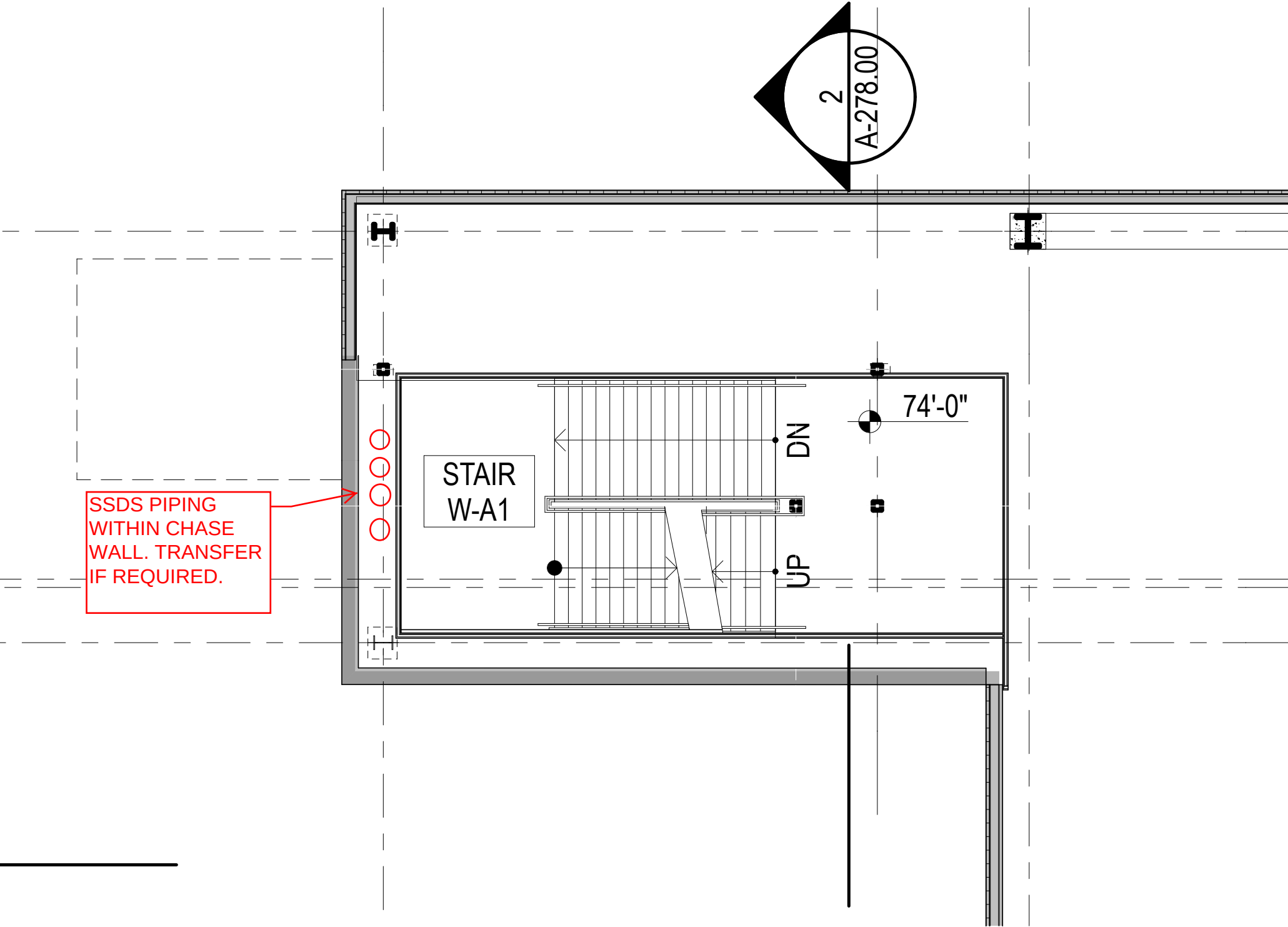
By **B. Zee** Date **15-Dec-2016**

This review by architectsAlliance is for the sole purpose of ascertaining conformance with the general design concept. This review shall not mean that architectsAlliance approves the detailed design inherent in the shop drawings, responsibility for which shall remain with the Contractor submitting same, and such review shall not relieve the Contractor of the responsibility for errors or omissions in the shop drawings or of the responsibility for meeting all requirements of the Contract Documents. The Contractor is responsible for dimensions to be confirmed and correlated at the job site, for information that pertains solely to fabrication processes or to techniques of construction and installation and for co-ordination of the work of all trades.

	Not Reviewed by aA
☒	Reviewed
	Reviewed as Modified
	Revise and Re-Submit

LOUVERS SHOWN
ARE DESIGNED TO
MEET 30 LBS./SQ.
FT. WIND LOADING

LEGEND	
R.O.	ROUGH OPENING
E.L.W.	EXACT LOUVER WIDTH
E.L.H.	EXACT LOUVER HEIGHT
E.L.A.	EXACT LOUVER ASSEMBLY



APPENDIX J
CORRESPONDENCE FROM NYSDEC



AKRF, Inc.
Environmental, Planning, and Engineering Consultants
440 Park Avenue South
7th Floor
New York, NY 10016
tel: 212 696-0670
fax: 212 213-3191
www.akrf.com

April 24, 2017

Ms. Ioana Munteanu-Ramnic, P.E.
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2 Office
47-40 21st Street
Long Island City, NY 11101-5407

Re: Request for Delay in Groundwater Sampling Requirements
Flushing Industrial Park, Parcels 1, 2 and 3
BCP Site Nos. C241051, C241078 and C241079

Dear Ms. Munteanu-Ramnic:

AKRF Engineering, P.C. has been performing post-remedial groundwater sampling at the above referenced Parcels (see Figure 1) since 2006. Based on the results of 25 rounds of sampling through October 2012, the NYSDEC approved the reduction of groundwater sampling from a semi-annual to annual basis in November 2015; this change will be formally documented in revised SMPs (although NYSDEC had no additional comments on the Revised SMPs; their finalization and formal approval is pending the filing of updated easements).

Sampling of the 16 site groundwater monitoring wells for total PCBs continued on an annual basis in April 2016 until ground disturbance associated with construction of the Parcel 2 elevator building, the Parcel 3 waterfront esplanade, and construction material staging on the southwestern portion of the Site destroyed and/or blocked access to several of the groundwater monitoring wells. During a recent inspection on March 31, 2017, it was noted that monitoring wells MW-28R5, MW-29R5, MW-31R, MW-32R, MW-33R2, MW-34R2 and MW-40R2 were destroyed and wells MW-35R, MW-36R2, MW-37R and MW-38R were covered with staged construction materials, leaving only five accessible monitoring wells. Attached is Figure 13 from the Parcel 3 Site Management Plan (SMP), which shows the post-remediation monitoring well locations.

Based on the on-going subsurface construction and lack of accessible monitoring wells, AKRF is requesting NYSDEC approval to delay the April 2017 groundwater sampling event until intrusive construction activities on Parcels 2 and 3 are completed and the destroyed monitoring wells can potentially be re-installed (if required).

We appreciate your consideration and approval of the request to delay the April 2017 groundwater sampling event. Please feel free to contact me at (914) 922-2371 if you have any questions or concerns.

Sincerely,
AKRF, Inc.



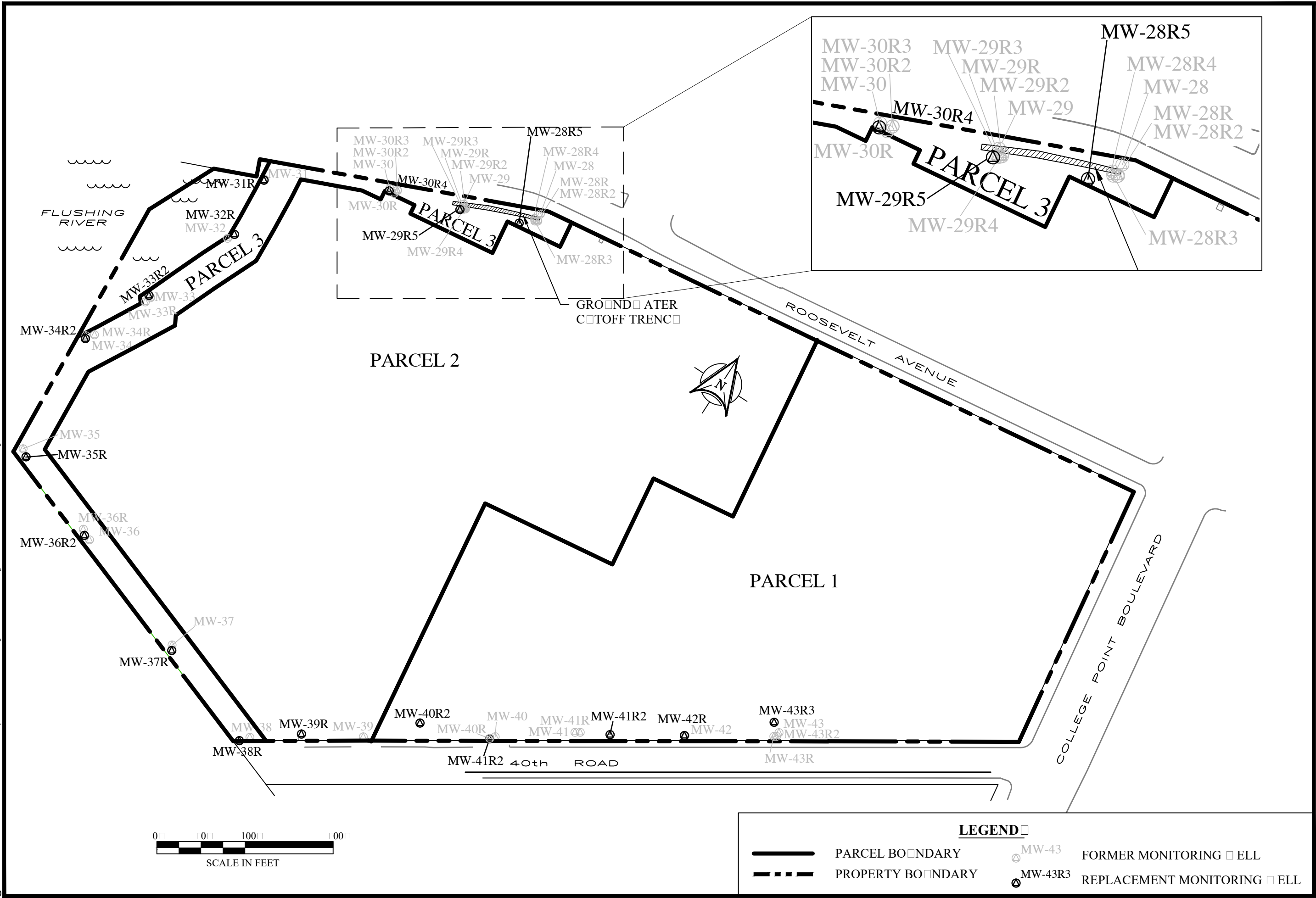
Stephen Grens
Senior Environmental Professional

Enclosures: Figure 13 – Post Remediation Monitoring Well Plan

cc: C.Gioia – Onex
 J. Coghlan, M. Chertok – Sive Paget & Riesel

M:\AKRF Project Files\30141 - Muss Flushing\OU-2&3&4 Plans-Reports\GW sampling modification\NYSDEC GW Sample Delay Request.doc/

© 2012 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\30141 - Muss Flushing Construction act\Ties\Figures\Post Remediation Mon Wells 030113.dwg



AKRF

Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

FLUSHING INDUSTRIAL PARK
FLUSHING, NEW YORK

POST-REMEDIATION MONITORING WELL PLAN

DATE
3.1.2013

SCALE
1" = 100'

PROJECT No.
30141

FIGURE
13

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2

47-40 21st Street, Long Island City, NY 11101

P: (718) 482-4995

www.dec.ny.gov

May 9, 2017

Mr. Michael Dana
c/o Onex Real Estate Partners
620 Eighth Avenue, 22nd Floor
New York, NY 10018

Mr. David Brickman
Sky View Park II, L.P., c/o Onex Real Estate,
695 Bloomfield Avenue, 3rd Floor,
Montclair, NJ 07042.

Re: Flushing Industrial Park, Parcels 1, 2 and 3
BCP Site Nos. C241051, C241078 and C241079
Request for Delay in Groundwater Sampling Requirements

Dear Mr. Brickman and Mr. Dana:

The New York State Department of Environmental Conservation (the Department) has reviewed the April 24, 2017 letter, prepared by AKRF, Inc. (AKRF) on behalf of Sky View Park II, LLC, requesting approval to forego the annual groundwater sampling event scheduled for April 2017. Due to the ongoing construction at the site, the Department agrees to delay the groundwater sampling event for one year. The next groundwater sampling event must be performed in April 2018.

If you have any questions, please call me at (718) 482-4065 or email me at ioana.munteanu-ramnic@dec.ny.gov.

Sincerely,

Ioana Munteanu-Ramnic, P.E.
Project Manager

ec: Jane O'Connell, Rosalie Rusinko – NYSDEC
Justin Deming, Bridget Boyd – NYSDOH
Kate Brunner, Stephen Grens, Marcus Simons – AKRF
Jennifer Coghlan, Mark Chertok – Sive Paget & Riesel



APPENDIX K
SITE-WIDE INSPECTION FORM

**SITE-WIDE INSPECTION FORM
FLUSHING INDUSTRIAL PARK
COLLEGE POINT BOULEVARD AND 40TH ROAD, FLUSHING, NEW YORK**

Inspector: Steve Grens of AKRF, Inc.

Date: May 8, 2017

1. Site Use Restrictions

No on-site vegetable gardens? None observed.

No groundwater withdrawal for potable/non-potable use? None.

Restricted residential use maintained? Three residential towers are occupied and three are under construction.

The parking garages and commercial/retail areas at grade are also occupied and opened for the public.

Construction materials are staged on the asphalt-pavement on Parcels 2 and 3 for the ongoing construction above the western retail structure, the SVP West Entrance Pavilion, and the Parcel 3 esplanade.

2. Site Cap

Note the date that the annual site cap inspection was performed:

May 8, 2017, concurrent with site-wide inspection.

Repairs made as noted during inspection?

Portions of the site cover were removed on the southwestern portion of Parcel 1 and the Southeastern portion of Parcel 2 for construction of the SVP West Entrance Pavilion, and on the northwestern portion of Parcel 3 for the esplanade construction. Site cover repairs will be made following completion of construction in these areas. No other signs of significant cracking or damage observed on any of the concrete or asphalt-paved parking areas, loading dock areas, concrete sidewalks.

3. Soil Management

Note the date(s) of any soil disturbance activities conducted during the past year:

Soil disturbance in RMZ A and RMZ B soil was conducted during the past year at the SVP West Entrance Pavilion.

RMZ A soil was disturbed at the utility trench excavation on Parcel 2 and at the Parcel 3 esplanade.

Proper soil management procedures implemented (cite appropriate close-out reports)?

Soil management procedures were performed in accordance with the SMPs.

4. Groundwater Monitoring

Monitoring being conducted on an annual basis (note the dates of sampling conducted)?

Due to on-going construction on Parcels 2 and 3, several of the groundwater monitoring wells were damaged and/or destroyed. Therefore, AKRF submitted a letter dated April 24, 2017 to the NYSDEC requesting to delay groundwater sampling until April 2018. The NYSDEC approved this request in a letter dated May 9, 2017.

All on-site monitoring wells in working condition (note any repairs/replacement)?

During the inspection, it was noted that monitoring wells MW-28R5, MW-29R5, MW-31R, MW-32R, MW-33R2, MW-34R2 and MW-40R2 were destroyed and wells MW-35R, MW-36R2, MW-37R and MW-38R were covered with staged construction materials, leaving only five accessible monitoring wells.

5. Sub-Slab Depressurization System (SSDS) Visual Inspection

Note: As of September 2013, SSDS is passive and fans are intentionally left turned off.

If damage noted below, document the location and name of the pipe and recommended corrective actions (or immediate actions taken).

First floor locations (SVCS lines 1A through 8A) in the fire station stairwells north and south of western retail building intact?: The first floor fans were off. No damage was noted to the fans and/or SSDS riser piping.

Fourth floor locations (SVCS lines 1B through 8B) in the fire station stairwells north and south of western retail building intact?: The fourth floor fans were off. The SSDS riser piping in the northern stairwell bulkhead was manifolded into one 6-inch riser pipe that extended from the 3rd to 4th floor atop the newly constructed stairwell bulkhead roof. The SSDS riser piping in the southern stairwell bulkhead was extended from the 3rd to 4th floor atop the newly constructed bulkhead roof into pipe enclosures (a.k.a. doghouses) equipped with louvers to vent passive SSDS exhaust.

6. Recordkeeping

Check that the following records/reports are being maintained/completed (note report/log dates as appropriate):

SITE-WIDE INSPECTION FORM

FLUSHING INDUSTRIAL PARK

COLLEGE POINT BOULEVARD AND 40TH ROAD, FLUSHING, NEW YORK

- 1) Annual site cap inspection log: The site cover inspection logs are maintained as part of the Annual Periodic Review Reports by AKRF and owner's representative. According to the owner's representative, CDs/DVDs of all reports are maintained in on-site management office.
- 2) Close-out report(s) for soil disturbance activities (including manifests for soil disposal): Reports documenting previous soil disturbance activities are maintained by AKRF and the owner's representative. No soil disturbance occurred during the reporting period.
- 3) Groundwater monitoring reports (including laboratory analytical data): Copies of past quarterly and semi-annual groundwater monitoring reports and Periodic Review Reports are maintained by AKRF, Inc. and the owner's representative.

7. Comments

No further comments

APPENDIX L
INSTITUTIONAL CONTROLS/ENGINEERING CONTROLS CERTIFICATION



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



Site Details

Site No. **C241051** **Box 1**

Site Name Flushing Industrial Park (Eastern) Parcel 1

Site Address: NW Corner of College Pt Boulevard & 40th Road Zip Code: 11354
City/Town: Flushing
County: Queens
Site Acreage: 5.4

Reporting Period: May 16, 2016 to May 16, ~~2019~~ 2017

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

SEE ATTACHMENT

Box 2

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

SEE ATTACHMENT

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

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

YES NO

☐ ☒

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

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

☒ ☐

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

SITE NO. C241051**Box 3****Description of Institutional Controls**

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
5066-1201 portion of	BRE Skyview Retail Owner LLC	Site Management Plan Ground Water Use Restriction Landuse Restriction Building Use Restriction Soil Management Plan
Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity (or until extinguished in accordance with the terms hereof) in order to provide an effective and enforceable means of encouraging the reuse and development of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the potential restriction of future uses of the land that are inconsistent with the above-stated purpose. 2. Institutional and Engineering Controls. A. Site Management Plan. The Grantor hereby acknowledges receipt of a copy of the NYSDEC-approved Site Management Plan, dated December 2007 ("SMP"). The SMP, which is incorporated into the terms of this Environmental Easement, describes obligations that Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system on the Controlled Property, and providing certified reports to the NYSDEC, is a fundamental element of the Department's determination that the Controlled Property is and remains safe for a specific use, but not all uses. The Department may approve changes to the SMP for the Controlled Property from time to time on the basis of requests or information submitted by Grantor, and modifications in applicable statutes regulations, guidance or site conditions. The Department reserves a unilateral right to modify the SMP. Upon notice of not less than thirty (30) days the Department in exercise of its discretion and consistent with applicable law may revise the SMP. The notice shall be a final agency determination. The Grantor and all successors and assigns, assume the burden of performing all of the obligations contained in the SMP and obtaining an up-to-date version of the SMP from: Regional Remediation Engineer: Region 2 New York State Department of Environmental Conservation Hunters Point Plaza 47-40 21st Street Long Island City, NY 11101-5401 or: Site Control Section Division of Environmental Remediation NYS Department of Environmental Conservation 625 Broadway Albany, New York 12233 B. The following controls apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees, and any person using the Controlled Property: (i) The Controlled Property may be used for Restricted-Residential use, as defined in 6 NYCRR 375-1.8(g)(2)(ii), as long as the long-term Institutional and Engineering controls set forth in the SMP dated December 2007 and any subsequent amendments thereto as may be approved by the Department are employed. Such institutional and engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement, and include, but are not limited to the following: a. an annual inspection of the Controlled Property will be conducted and an annual certification will be submitted to the Department by a New York State Licensed Professional Engineer, stating that long-term institutional and engineering controls have been properly monitored and maintained, in accordance with the SMP (including documentation of any repairs conducted since the prior certification); and b. the use of the groundwater underlying the Controlled Property for any purpose, including but not limited to, potable, process or irrigation water, is prohibited without the implementation of necessary water quality treatment as determined by the New York		

State Departments of Health and Environmental Conservation; and

- c. any proposed soil excavation or other activities on the property below the composite cover (consisting of asphalt, concrete or a minimum of two (2) feet of clean fill (meeting the Part 375 SCO calculated as the lower of the SCOs for Residential Use and for Protection of Groundwater, or for which specific approval was given by NYSDEC) requires prior notification to NYSDEC, in accordance with the SMP, and the excavated soil and construction waste water must be managed, characterized, and properly disposed of in accordance with the SMP; and
- d. single family housing, vegetable gardens, farming, schools and day care facility are prohibited on the Controlled Property; and
- e. all Engineering Controls must be operated and maintained as specified in the SMP; and
- f. data and information pertinent to Site Management for the Controlled Property must be reported at the frequency and in a manner defined in the SMP; and
- g. on-Site environmental monitoring devices, including but not limited to, groundwater monitoring wells, must be protected and replaced as necessary to ensure continued functioning in the manner specified in the SMP.

C. The Controlled Property may not be used for a less restricted level of use, such as residential use, nor may the parking areas be converted to other enclosed purposes, without an amendment or the extinguishment of this Environmental Easement.

Box 4

Description of Engineering Controls

Parcel

Engineering Control

5066-1201 portion of

Cover System
Subsurface Barriers
Alternate Water Supply

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

☒ ☐

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

(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. C241051

Box 6

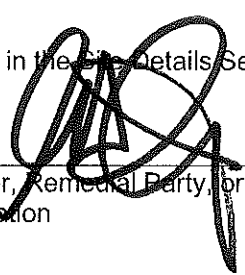
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Christopher A. Gioia at SkyView Parc II, LP, c/o Onex Real Estate Partners, 40-26 College Point Blvd., Suite F616, Flushing, NY 11354,
print name print business address

am certifying as SkyView Parc II, LP, Remedial Party (Owner or Remedial Party)

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


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

July 26, 2017
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I Michelle Lapin at 440 Park Ave South, NY, NY
print name print business address

am certifying as a Professional Engineer for the SVP II
(Owner or Remedial Party)

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



Stamp
(Required for PE)

7/12/17
Date

Flushing Industrial Park

Parcel 1 (C241051) - IC/EC Form Attachment

Box 1:

5) Is the site currently undergoing development? Yes, with on-going construction at the SVP West Entrance Pavilion

Box 2:

7) Are all ICs/ECs in place and functioning as designed? During the reporting period, excavation occurred as needed for construction of the SVP West Entrance Pavilion. Portions of the Site cap (asphalt-pavement) remain open due to on-going construction. The Site cap will be repaired as a corrective measure when the work is completed. Only RMZ-A soil is exposed. The remaining ICs/ECs are functioning as designed with the NYSDEC's November 2015 approval to reduce groundwater sampling from semi-annual to annual basis and delay groundwater sampling to April 2018 (approved in May 2017).

Box 5:

2) If the 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 "YES" below that all of the following statements are true:

- (a) Excavation occurs as needed for the SVP West Entrance Pavilion (see Box 2/No. 7 response).
- (b) Only RMZ-A soil is exposed where the Site cap is open and the RMZ-A soil is previously placed backfill.
- (c) Yes
- (d) No violation or failure to comply with the SMP.



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



Site No. **C241078**

Site Details

Box 1

Site Name Flushing Industrial Park (Western) Parcel 2

Site Address: NW Corner of College Pt Blvd & 40th Road

Zip Code: 11354

City/Town: Flushing

County: Queens

Site Acreage: 7.0

Reporting Period: May 16, 2016 to May 16, 2017

YES NO

1. Is the information above correct?

☒ ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?

SEE ATTACHMENT

☒ ☐

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

☐ ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

☒ ☐

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development? SEE ATTACHMENT

☒ ☐

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?
Restricted-Residential, Commercial, and Industrial

☒ ☐

7. Are all ICs/ECs in place and functioning as designed? SEE ATTACHMENT

☐ ☒

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

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

YES NO

☐ ☒

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

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

☒ ☐

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

SITE NO. C241078**Box 3****Description of Institutional Controls**

Parcel

5066-1201 portion of

Owner

BRE Skyview Retail Owner LLC

Institutional Control

Site Management Plan
Ground Water Use Restriction
Landuse Restriction
Building Use Restriction

Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land

in perpetuity (or until extinguished in accordance with the terms hereof) in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the potential restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls.

A. Site Management Plan. The Grantor hereby acknowledges receipt of a copy of the NYSDEC-approved Site Management Plan, dated December 2007 ("SMP"). The SMP, which is incorporated into the terms of this Environmental Easement, describes obligations that Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system on the Controlled Property, and providing certified reports to the NYSDEC, is a fundamental element of the Department's determination that the Controlled Property is and remains safe for a specific use, but not all uses. The Department may approve changes to the SMP for the Controlled Property from time to time on the basis of requests or information submitted by Grantor, and modifications in applicable statutes regulations, guidance or site conditions. The Department reserves a unilateral right to modify the SMP. Upon notice of not less than thirty (30) days the Department in exercise of its discretion and consistent with applicable law may revise the SMP. The notice shall be a final agency determination. The Grantor and all successors and assigns, assume the burden of performing all of the obligations contained in the SMP and obtaining an up-to-date version of the SMP from:

Regional Remediation Engineer:

Region 2

New York State Department of
Environmental Conservation

Hunters Point Plaza

47-40 21 st Street

Long Island City, NY 11101-5401

or:

Site Control Section Division of Environmental Remediation

NYS Department of Environmental Conservation

625 Broadway

Albany, New York 12233

The following controls apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees, and any person using the Controlled Property:

(i) The Controlled Property may be used for Restricted-Residential use, as defined in 6 NYCRR 375-1.8(g)(Z)(ii), as long as the long-term Institutional and Engineering controls set forth in the SMP dated December 2007 and any subsequent amendments thereto as may be approved by the Department are

employed. Such institutional and engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement, and include, but are not limited to the following:

a. an annual inspection of the Controlled Property will be conducted and an annual certification will be submitted to the Department by a New York State Licensed Professional Engineer, stating that long-term institutional and

engineering controls have been properly monitored and maintained, in accordance with the SMP (including documentation of any repairs conducted since the prior certification); and

b. a soil vapor mitigation system consisting of a vapor barrier and sub-slab depressurization system under the building structure with retail use at grade must be inspected, certified, operated and maintained in accordance with the SMP; and

c. the use of the groundwater underlying the Controlled Property for any purpose, including but not limited to, potable, process or irrigation water, is prohibited without the implementation of necessary

water quality treatment as determined by the New York State Departments of Health and Environmental Conservation; and

d. any proposed soil excavation or other activities on the property below the composite cover (consisting of asphalt, concrete or a minimum of two (2) feet of clean fill (meeting the Part 375 SCO calculated as the lower of the SCOs for Residential Use and for Protection of groundwater, or for which specific approval was given by NYSDEC) requires prior notification to NYSDEC, in accordance with the SMP, and the excavated soil and construction waste water must be managed, characterized, and properly disposed of in accordance with the SMP; and

e. single family housing, vegetable gardens, farming, schools and day care facility are prohibited on the Controlled Property; and

f. all Engineering Controls must be operated and maintained as specified in the SMP; and

g. data and information pertinent to Site Management for the Controlled Property must be reported at the frequency and in a manner defined in the SMP; and

h. on-Site environmental monitoring devices, including but not limited to, groundwater monitoring wells and soil vapor monitoring points, must be protected and replaced as necessary to ensure continued functioning in the manner specified in the SMP.

C. The Controlled Property may not be used for a less restricted level of use, such as residential use, nor may the parking areas be converted to other enclosed purposes, without an amendment or the extinguishment of this Environmental Easement.

5066-1205 - portion

BRE Skyview Retail Owner, LLC

Site Management Plan
Ground Water Use Restriction
Landuse Restriction
Building Use Restriction

Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land

in perpetuity (or until extinguished in accordance with the terms hereof) in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the potential restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls.

A. Site Management Plan. The Grantor hereby acknowledges receipt of a copy of the NYSDEC-approved Site Management Plan, dated December 2007 ("SMP"). The SMP, which is incorporated into the terms of this Environmental Easement, describes obligations that Grantor assumes on behalf of Grantor, its successors and assigns.

The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system on the Controlled Property, and providing certified reports to the NYSDEC, is a fundamental element of the Department's determination that the Controlled Property is and remains safe for a

specific use, but not all uses. The Department may approve changes to the SMP for the Controlled Property from time to time on the basis of requests or information submitted by Grantor, and modifications in applicable statutes regulations, guidance or site conditions. The Department reserves a unilateral right to modify the SMP.

Upon notice of not less than thirty (30) days the Department in exercise of its discretion and consistent with applicable law may revise the SMP. The notice shall be a final agency determination. The Grantor and all successors and assigns, assume the burden of performing all of the obligations contained in the SMP and obtaining an up-to-date version of the SMP from:

Regional Remediation Engineer:
Region 2

New York State Department of
Environmental Conservation
Hunters Point Plaza
47-40 21 st Street
Long Island City, NY 11101-5401

or:

Site Control Section Division of Environmental Remediation
NYS Department of Environmental Conservation
625 Broadway
Albany, New York 12233

The following controls apply to the use of the Controlled Property, run with the land, are binding on

the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees, and any person using the Controlled Property:

(i) The Controlled Property may be used for Restricted-Residential use, as defined in 6 NYCRR 375-1.8(g)(Z)(ii), as long as the long-term Institutional and Engineering controls set forth in the SMP dated December 2007 and any subsequent amendments thereto as may be approved by the Department are

employed. Such institutional and engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement, and include, but are not limited to the following:

a. an annual inspection of the Controlled Property will be conducted and an annual certification will be submitted to the Department by a New York State Licensed Professional Engineer, stating that long-term institutional and engineering controls have been properly monitored and maintained, in accordance with the SMP (including documentation of any repairs conducted since the prior certification); and

b. a soil vapor mitigation system consisting of a vapor barrier and sub-slab depressurization system under the building structure with retail use at grade must be inspected, certified, operated and maintained in accordance with the SMP; and

c. the use of the groundwater underlying the Controlled Property for any purpose, including but not limited to, potable, process or irrigation water, is prohibited without the implementation of necessary water quality treatment as determined by the New York State Departments of Health and Environmental Conservation; and

d. any proposed soil excavation or other activities on the property below the composite cover (consisting of asphalt, concrete or a minimum of two (2) feet of clean fill (meeting the Part 375 SCO calculated as the lower of the SCOs for Residential Use and for Protection of groundwater, or for which specific approval was given by NYSDEC) requires prior notification to NYSDEC, in accordance with the SMP, and the excavated soil and construction waste water must be managed, characterized, and properly disposed of in accordance with the SMP; and

e. single family housing, vegetable gardens, farming, schools and day care facility are prohibited on the Controlled Property; and

f. all Engineering Controls must be operated and maintained as specified in the SMP; and

g. data and information pertinent to Site Management for the Controlled Property must be reported at the frequency and in a manner defined in the SMP; and

h. on-Site environmental monitoring devices, including but not limited to, groundwater monitoring wells and soil vapor monitoring points, must be protected and replaced as necessary to ensure continued functioning in the manner specified in the SMP.

C. The Controlled Property may not be used for a less restricted level of use, such as residential use, nor may the parking areas be converted to other enclosed purposes, without an amendment or the extinguishment of this Environmental Easement.

Box 4

Description of Engineering Controls

Parcel

Engineering Control

5066-1201 portion of

Subsurface Barriers
Vapor Mitigation
Cover System
Alternate Water Supply

5066-1205 - portion

Vapor Mitigation
Cover System
Subsurface Barriers
Alternate Water Supply

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

☒ ☐

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

SEE ATTACHMENT

(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. C241078

Box 6

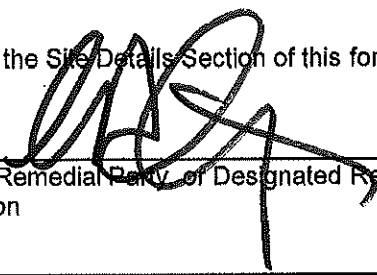
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Christopher A. Gioia at SkyView Parc II, LP, c/o Onex Real Estate Partners, 40-26 College Point Blvd., Suite F616, Flushing, NY 11354
print name print business address

am certifying as SkyView Parc II, LP, Remedial Party (Owner or Remedial Party)

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


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

July 26, 2017
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I Michelle Lapin at 440 Palisade Ave South, NY, NY
print name print business address

am certifying as a Professional Engineer for the SVP II
(Owner or Remedial Party)



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



Stamp
(Required for PE)

7/12/17

Date

Flushing Industrial Park

Parcel 2 (C24I078) - IC/EC Form Attachment

Box 1:

1) **Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?** Certain condominium units were transferred during the reporting period, as set forth in the 2016 PRR. Copies of documentation previously submitted to the NYSDEC are included as Appendix A to the 2016 PRR.

5) **Is the site currently undergoing development?** Yes, with on-going construction at the SVP West Entrance Pavilion and Towers 6, 7, and 8 atop the western podium.

Box 2:

7) **Are all ICs/ECs in place and functioning as designed?** During the reporting period, excavation occurred as needed for construction of the SVP West Entrance Pavilion. Portions of the Site cap (asphalt-pavement) remain open due to on-going construction. The Site cap will be repaired as a corrective measure when the work is completed. Only RMZ-A soil is exposed. The remaining ICs/ECs are functioning as designed with the NYSDEC's April 2014 approval to permanently convert the active SSDS to passive operation and discontinue SSDS effluent sampling and the November 2015 approval to reduce groundwater sampling from semi-annual to annual basis and delay groundwater sampling to April 2018 (approved in May 2017).

Box 5:

2) **If the 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 "YES" below that all of the following statements are true:**

- (a) Excavation occurs as needed for the SVP West Entrance Pavilion (see Box 2/No. 7 response).
- (b) Only RMZ-A soil is exposed where the Site cap is open and the RMZ-A soil is previously placed backfill.
- (c) Yes
- (d) No violation or failure to comply with the SMP.



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



Site Details **Box 1**

Site No. **C241079**

Site Name **Flushing Indust. Pk. (Western Waterfront) Parcel 3**

Site Address: NW Corner of College Pt Blvd & 40th Road Zip Code: 11354
City/Town: Flushing
County: Queens
Site Acreage: 0.9

Reporting Period: May 16, 2016 to May 16, 2017

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

- | | Box 2 | |
|---|-------------------------------------|-------------------------------------|
| | YES | NO |
| 6. Is the current site use consistent with the use(s) listed below?
Restricted-Residential, Commercial, and Industrial | ☒ | ☐ |
| 7. Are all ICs/ECs in place and functioning as designed? SEE ATTACHMENT | ☐ | ☒ |

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

YES NO

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

☐ ☒

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

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

☒ ☐

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

SITE NO. C241079**Box 3****Description of Institutional Controls**

Parcel**5066-1203**Owner

BRE Skyview Parking Owner LLC

Institutional Control

Site Management Plan
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Building Use Restriction

Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity (or until extinguished in accordance with the terms hereof) in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the potential restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls.

A. Site Management Plan. The Grantor hereby acknowledges receipt of a copy of the NYSDEC-approved Site Management Plan, dated November 2007 "SMP"). The SMP, which is incorporated into the terms of this Environmental Easement, describes obligations that Grantor assumes on

behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system on the Controlled Property, and providing certified reports to the NYSDEC, is a fundamental element of the Department's determination that the Controlled Property is and remains safe

for a specific use, but not all uses. The Department may approve changes to the SMP for the Controlled Property from time to time on the basis of requests or information submitted by Grantor, and modifications in applicable

statutes regulations, guidance or site conditions. The Department reserves a unilateral right to modify the SMP. The Grantor and all successors and assigns, assume the burden of performing all of the obligations contained in

the SMP and obtaining an up-to-date version of the SMP from:

Regional Remediation Engineer:

Region 2

NYSDEC

Hunters Point Plaza

47-40 21 st Street

Long Island City, NY 11101-5401

or:

Site Control Section

Division of Environmental Remediation

NYSDEC

625 Broadway

Albany, New York 12233

B. The following controls apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns,

and are enforceable in law or equity against any owner of the Controlled Property, any lessees, and any person using the Controlled Property:

(i) The Controlled Property may be used for Restricted-Residential use, as defined in 6 NYCRR 375-1.8(g)(2)(ji), as long as the long-term Institutional and Engineering controls set forth in the SMP dated November 2007 and any

subsequent amendments thereto as may be approved by the Department are employed. Such institutional and engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement, and include, but are not limited to the following:

a. in annual inspection of the Controlled Property will be conducted and an annual certification will be submitted to the Department by a New York State Licensed Professional Engineer, stating that long-term institutional and engineering controls have been properly monitored and maintained, in accordance with the SMP (including documentation of any repairs conducted since the prior certification); and

b. the use of the groundwater underlying the Controlled Property for any purpose, including but not limited to, potable, process or irrigation water, is prohibited without the implementation of necessary water quality treatment as determined by the New York State Departments of Health and Environmental Conservation; and

c. any proposed soil excavation or other activities on the property below the composite cover (consisting of asphalt, concrete or a minimum of two (2) feet of clean fill (meeting the Part 375 Restricted Residential SCOs, or for

which specific approval was given by NY SDEC) requires prior notification to NYSDEC, in accordance

with the SMP, and the excavated soil and construction waste water must be managed, characterized, and properly disposed of in accordance with the SMP; and

d. single family housing, vegetable gardens, farming, schools and day care facility are prohibited on the Controlled Property, and

e. all Engineering Controls must be operated and maintained as specified in the SMP; and

f. data and information pertinent to Site Management for the Controlled Property must be reported at the frequency and in a manner defined in the SMP; and

g. on-Site environmental monitoring devices, including but not limited to, groundwater monitoring wells, must be protected and replaced as necessary to ensure continued functioning in the manner specified in the SMP.

C. The Controlled Property may not be used for a less restricted level of use, such as residential use without an amendment or the extinguishment of this Environmental Easement.

Box 4

Description of Engineering Controls

Parcel

Engineering Control

5066-1203

Cover System

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

☒ ☐

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

SEE ATTACHMENT

(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. C241079

Box 6

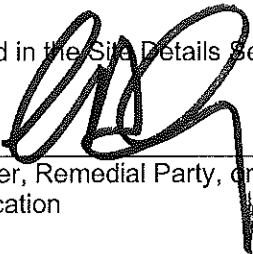
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Christopher A. Gioia at SkyView Parc II, LP, c/o Onex Real Estate Partners, 40-26 College Point Blvd., Suite F616, Flushing, NY 11354,
print name print business address

am certifying as SkyView Parc II, LP, Remedial Party (Owner or Remedial Party)

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


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

July 26, 2017
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I Michelle Lapin at 440 Palisade Ave South, NY, NY
print name print business address

am certifying as a Professional Engineer for the SVP II
(Owner or Remedial Party)



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



Stamp
(Required for PE)

7/12/17

Date

Flushing Industrial Park

Parcel 3 (C24I079) - IC/EC Form Attachment

Box 1:

1) **Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?** Certain condominium units were transferred during the reporting period, as set forth in the 2016 PRR. Copies of documentation previously submitted to the NYSDEC are included as Appendix A to the 2016 PRR.

5) **Is the site currently undergoing development?** Yes, with on-going construction of the waterfront esplanade.

Box 2:

7) **Are all ICs/ECs in place and functioning as designed?** During the reporting period, excavation occurred as needed for construction of the waterfront esplanade. Portions of the Site cap (asphalt-pavement) remain open due to on-going construction. The Site cap will be repaired as a corrective measure when the work is completed. Only RMZ-A soil is exposed. The remaining ICs/ECs are functioning as designed with the NYSDEC's November 2015 approval to reduce groundwater sampling from semi-annual to annual basis and delay groundwater sampling to April 2018 (approved in May 2017).

Box 5:

2) **If the 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 "YES" below that all of the following statements are true:**

- (a) Excavation occurs as needed for the SVP West Entrance Pavilion (see Box 2/No. 7 response).
- (b) Only RMZ-A soil is exposed where the Site cap is open and the RMZ-A soil is previously placed backfill.
- (c) Yes
- (d) No violation or failure to comply with the SMP.