## 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** 

## Prepared for:

Sky View Parc II, L.P. % Onex Real Estate Partners 695 Bloomfield Avenue, 3<sup>rd</sup> Floor Montclair, NJ 07042

Prepared by:



AKRF, Inc. 440 Park Avenue South New York, NY 10016 212-696-0670

## TABLE OF CONTENTS

P.E. Cl	ERTIFICATION	iii
EXEC	UTIVE SUMMARY	iv
1.0	INTRODUCTION	1
2.0	BACKGROUND	1
2.1	SITE DESCRIPTION	1
2.2	REMEDIAL INVESTIGATION FINDINGS	2
2.	.2.1 Geology and Hydrogeology	2
2.	.2.2 Nature and Extent of Contamination Prior to Remediation	3
2.3	SITE REMEDIATION	4
2.	.3.1 Contaminated Materials Removal	4
2.	.3.2 Engineering Controls	4
2.	.3.3 Institutional Controls	5
3.0	CONSTRUCTION ACTIVITIES	6
3.1	SOIL DISTURBANCE	7
3.2	STOCKPILING	8
3.3	WASTE CHARACTERIZATION	8
3.4	SOIL TRANSPORTATION AND DISPOSAL	8
3.5	ON-SITE REUSE AS BACKFILL	9
3.6	BACKFILL FROM OFF-SITE SOURCES	9
3.7	DEMARCATION	9
3.8	VAPOR BARRIER AND WATERPROOFING INSTALLATION	9
3.9	HEALTH AND SAFETY MONITORING	9
3.10		
4.0	SITE COVER OPERATION AND MAINTENANCE	10
4.1	SITE COVER ALTERATIONS	10
4.2	SITE COVER INSPECTION	10
5.0	VAPOR MITIGATION SYSTEM OPERATION AND MAINTENANCE	11
5.1	VAPOR MITIGATION BACKGROUND	11
5.2	VAPOR SYSTEM MODIFICATION	11
5.3	VAPOR SYSTEM INSPECTIONS AND MAINTENANCE	12
6.0	MONITORING	12
6.1	ENGINEERING CONTROL SYSTEM MONITORING	12
6.2	GROUNDWATER MONITORING	13
6.	.2.1 Monitoring Well Installation	13
6.	.2.2 Monitoring Well Sampling	13
6.3	SITE-WIDE INSPECTION	
7.0	INSTITUTIONAL AND ENGINEERING CONTROL COMPLIANCE	13
8.0	CONCLUSIONS	14

## **TABLES**

Table 1 Outgoing Waste Tracking

## **FIGURES**

Figure 1	Project Site Location
Figure 2	Site Plan
Figure 3	Current Site Cover (May 2017 Inspection)
Figure 4	Post-Remediation Monitoring Well Plan

## **APPENDICES**

Appendix A Appendix B	Ownership Change Documentation Photographs of Site Activities
Appendix C	Survey of Excavation Area
Appendix D	Laboratory Analytical Results
Appendix E	Solid Waste Disposal Documentation-Disposal Facility Approval Letters, Facility
	Permits, Waste Manifests
Appendix F	Imported Backfill Documentation
Appendix G	Air Monitoring Logs
Appendix H	Site Cover Inspection Form and Photographs (May 2017)
Appendix I	SSDS Louver Installation Submittal
Appendix J	Correspondence from NYSDEC
Appendix K	Site-wide Inspection Form
Appendix L	Institutional and Engineering Control Certification Forms

## 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 the 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.

OF NEW TOTAL STORY

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 40<sup>th</sup> 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 40<sup>th</sup> 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 ongoing 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,  $40^{th}$  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 and 2. 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

ppm – parts per million

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 Adminis Recommended Soil Cl	trative Guidance Memorandum #4046 eanup Objectives, January 24, 1994	

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 Laurenco 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 onsite 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 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<sup>TM</sup> 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 subslab 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 4<sup>th</sup> 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 4<sup>th</sup> floor fans. During sampling, the 1<sup>st</sup> floor fans remained running but the 4<sup>th</sup> 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 NYSDECapproved 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 3<sup>rd</sup> to the 4<sup>th</sup> floors, respectively. The 4<sup>th</sup> 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 3<sup>rd</sup> floor then extended with one 6-inch pipe to discharge to the top of the new 4<sup>th</sup> 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.

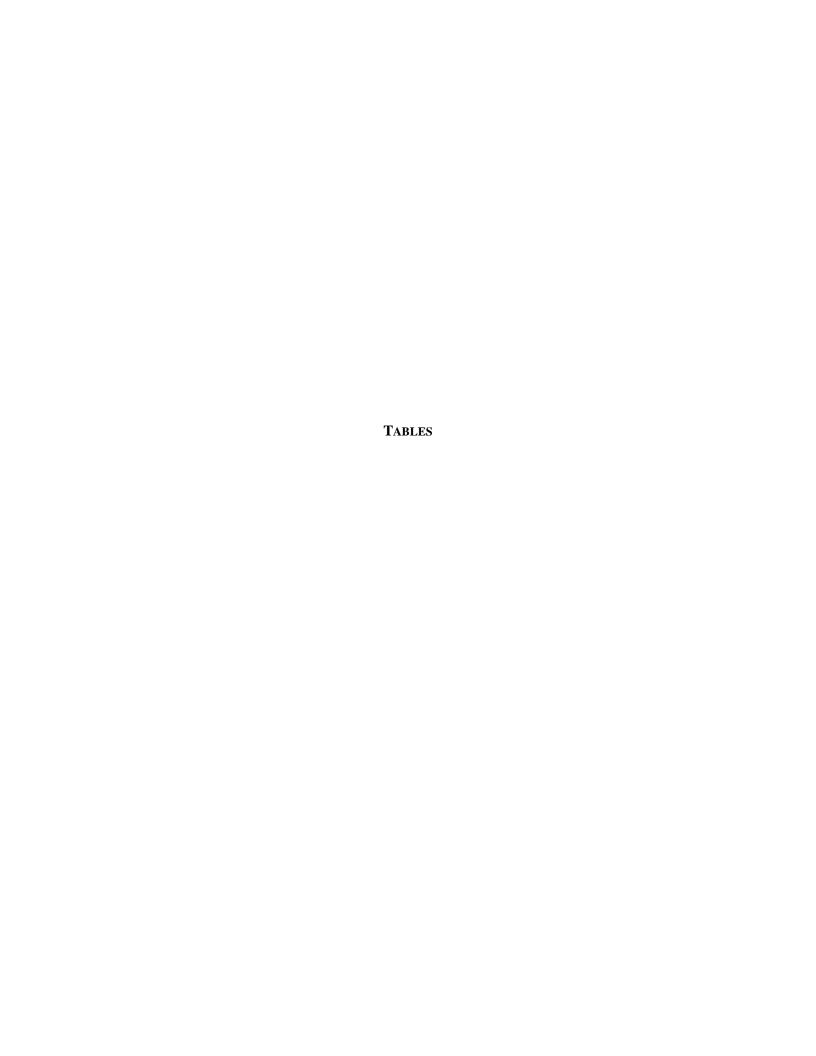
## 7.0 INSTITUTIONAL AND ENGINEERING CONTROL COMPLIANCE

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:

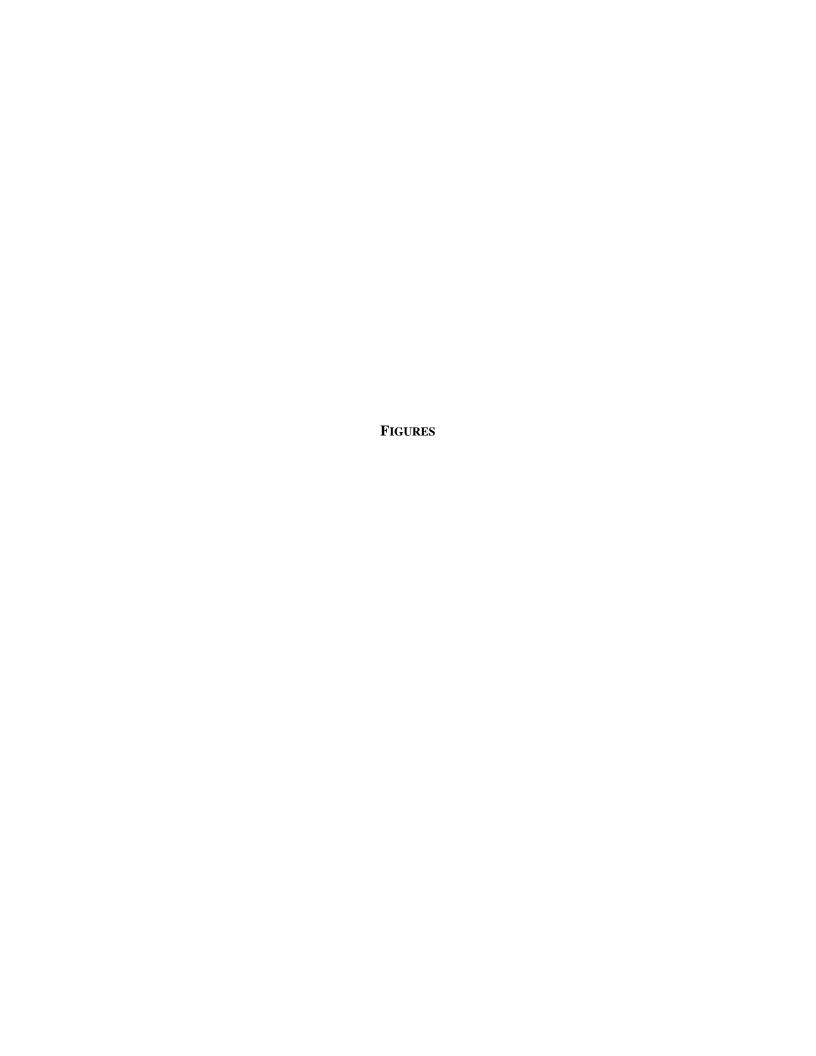
- The majority of the observable portions of the permanent site cover were in good condition throughout the Property, with the exceptions of discrete areas on Parcels 2 and 3, where there is ongoing construction. The site cover in these areas will be restored as subgrade construction is completed.
- 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<sup>®</sup> 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<sup>®</sup> 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.

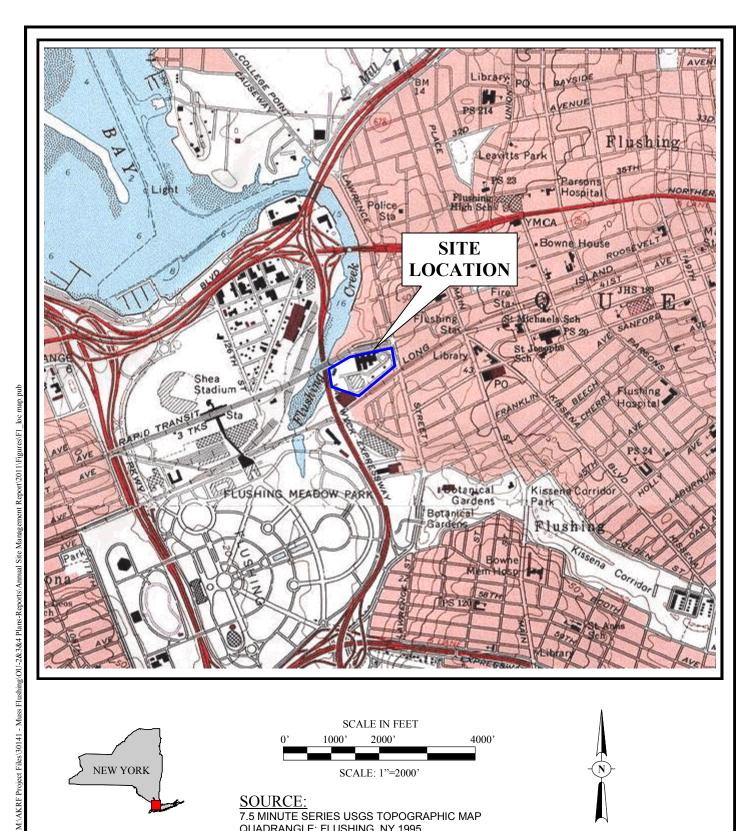


## Table 1 OUTGOING WASTE TRACKING

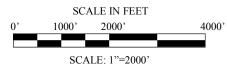
Flushing Industrial Park, Parcels 1, 2 and 3 Flushing, New York

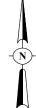
Truck # (per day)		Manifest Number	Truck ID	License Plate	Disposal Facility	Description of Waste	Disposal Date	Weight (tons)
1	2/24/2017	1415201	AT Amelie 86	AT 490 B	Clean Earth: Carteret	Non-haz (stockpile #1)	2/24/2017	31.82
2	2/24/2017	1429200	Uriel 5	AT 795 D	Clean Earth: Carteret	Non-haz (stockpile #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











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

05.20.16

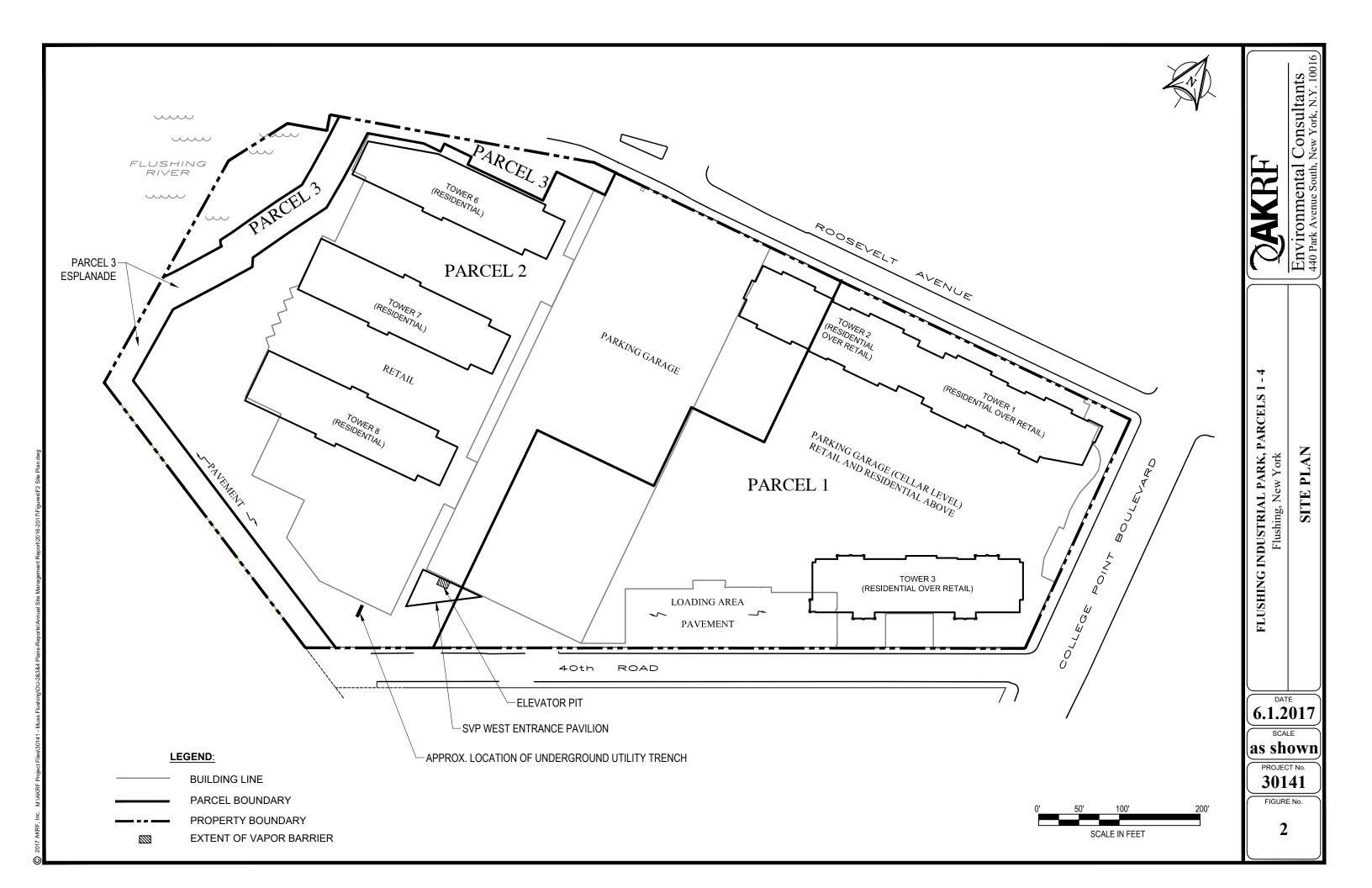
PROJECT No.

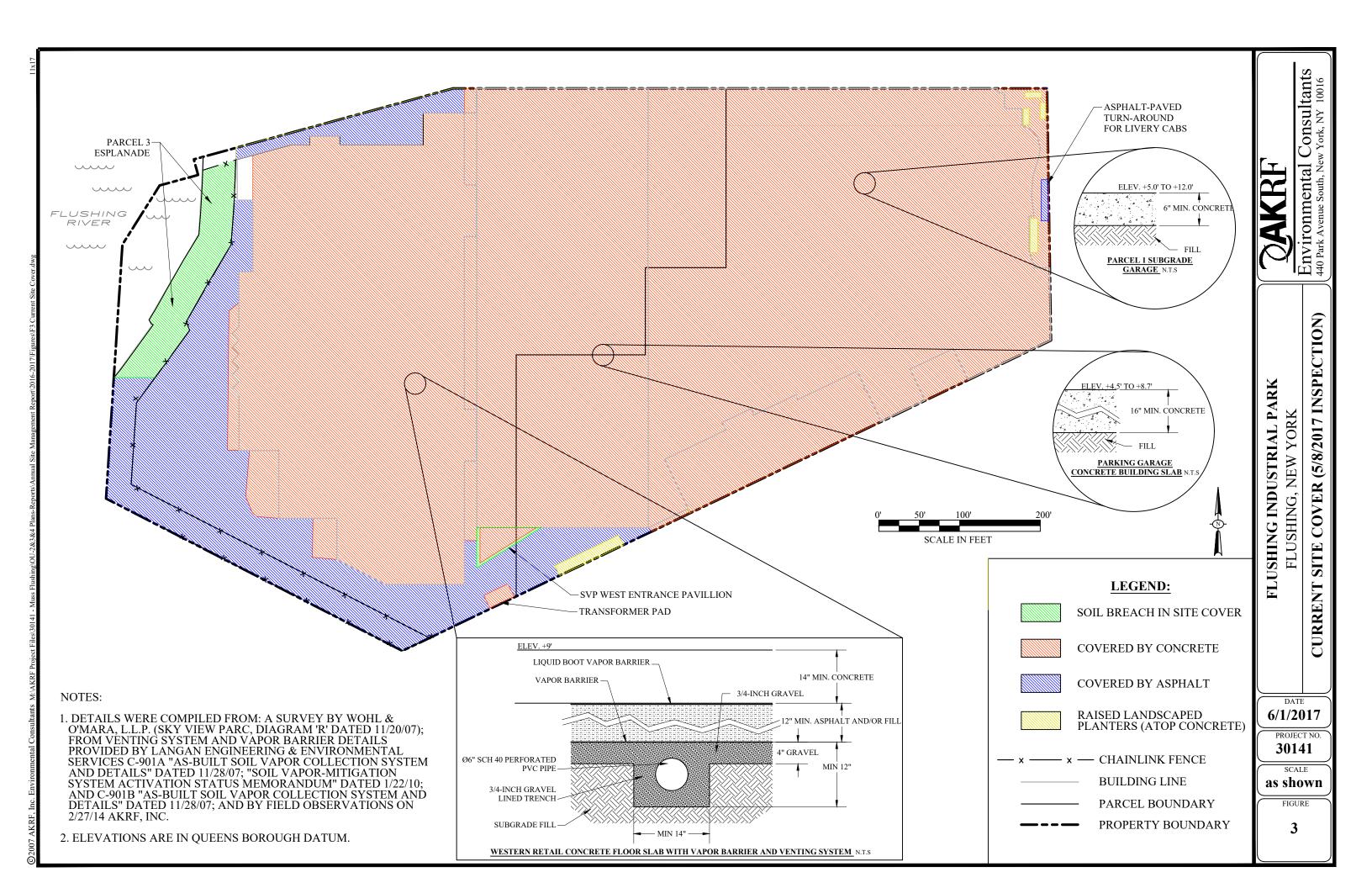
30141

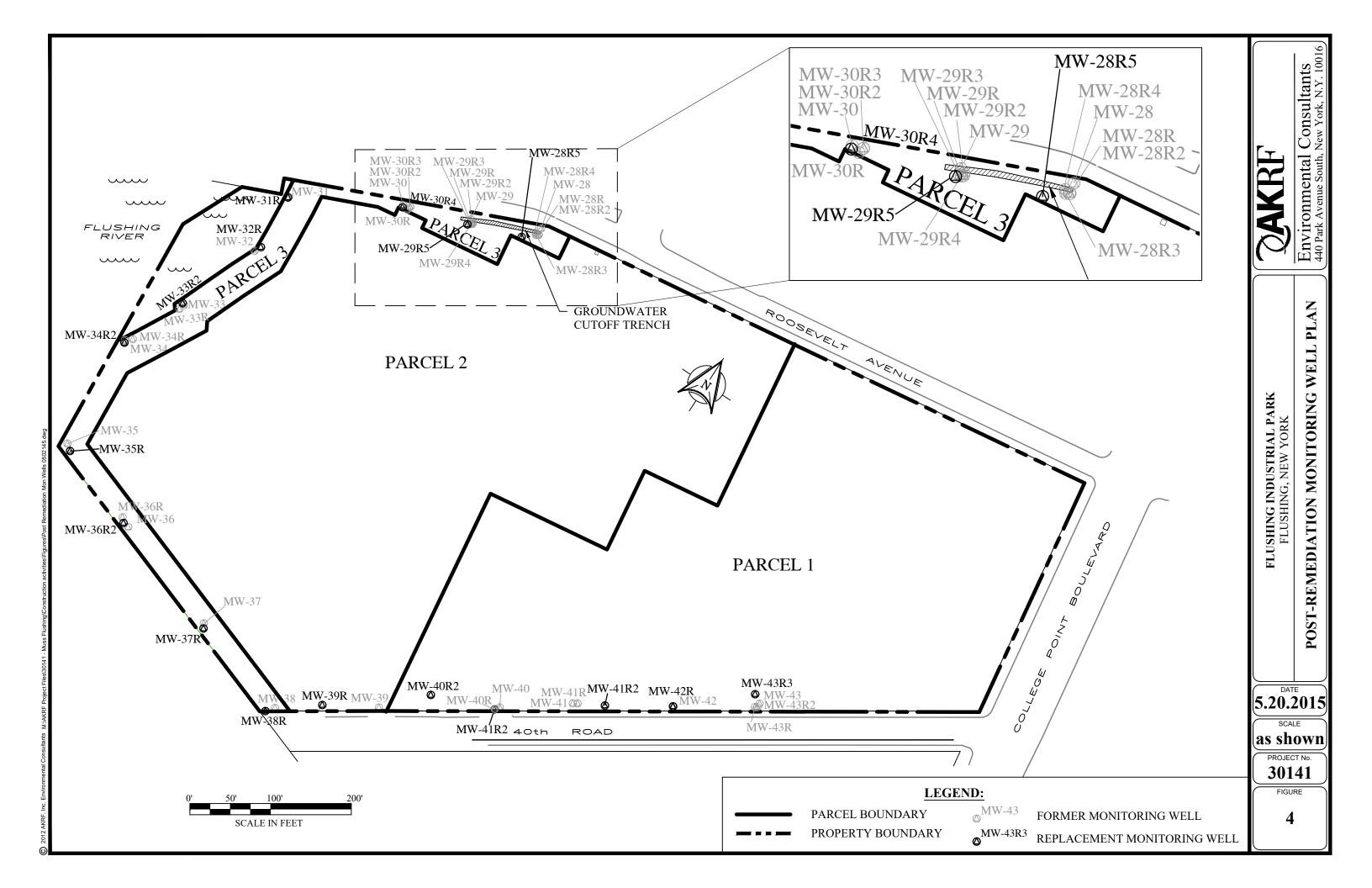
SCALE AS SHOWN

FIGURE

1







# 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
н.	Contact Information of Person Submitting Notification:  Name: David Brickman  Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners  695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07062
	Phone: 212-993-5706 E-mail: dbrickman@onexrealestate.com
Ш	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 in needed).

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	responsibi	<b>n Statement:</b> Where the change of use results in a change in ownership or in y for the proposed, ongoing, or completed remedial program for the site, the following must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):
Contact Information for New Owner, Remedial Party, or CoC Holder: If the site there will be a new remedial party, identify the prospective owner(s) or party(ies) along information. If the site is subject to an Environmental Easement, Deed Restriction, or Management Plan requiring periodic certification of institutional controls/engineering (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).    Visual Prospective Owner   Prospective Remedial Party   Prospective Owner Reprospective Owner   Please see above   Please see above   Prospective Owner   Please see above	order, agre	ment, Site Management Plan, or State Assistance Contract regarding the Site's remedia
Address1: Sky View Office Owner, L.P., c/o Onex Real Estate Partners  Address2: 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042  212-993-5706 E-mail: dbrickman@onexrealestate.com  VI. Contact Information for New Owner, Remedial Party, or CoC Holder: If the site there will be a new remedial party, identify the prospective owner(s) or party(ies) along information. If the site is subject to an Environmental Easement, Deed Restriction, or Management Plan requiring periodic certification of institutional controls/engineering (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).  Prospective Owner Prospective Remedial Party Prospective Owner Representations of the prospective Owner Representations of the prospective Owner Representations of the prospective Owner Representation of the prospective Owner Representations of the prospective Owner Representation of the prospective Owner Repres	Name:	(Signature) 7/6/16 (Date)
Address2:  Phone:  E-mail:  Contact Information for New Owner, Remedial Party, or CoC Holder: If the site there will be a new remedial party, identify the prospective owner(s) or party(ies) along information. If the site is subject to an Environmental Easement, Deed Restriction, or Management Plan requiring periodic certification of institutional controls/engineering (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).  Prospective Owner Prospective Remedial Party Prospective Owner Representation of Please see above  Address2:  Address2:  Phone:  E-mail:  Certifying Party Name:  Sky View Parc II, L.P.  Address4: C/O David Brickman, Onex Real Estate Partners		David Brickens (Print Name)
Address2:  Phone:  695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042  212-993-5706  E-mail:  dbrickman@onexrealestate.com  VI. Contact Information for New Owner, Remedial Party, or CoC Holder: If the site there will be a new remedial party, identify the prospective owner(s) or party(ies) along information. If the site is subject to an Environmental Easement, Deed Restriction, or Management Plan requiring periodic certification of institutional controls/engineering (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).  Prospective Owner Prospective Remedial Party Prospective Owner Reproduces see above  Address1:  Address2: ———————————————————————————————————	Address1:	ky View Office Owner, L.P., c/o Onex Real Estate Partners
Phone: E-mail: dbrickman@onexrealestate.com  VI. Contact Information for New Owner, Remedial Party, or CoC Holder: If the site there will be a new remedial party, identify the prospective owner(s) or party(ies) along information. If the site is subject to an Environmental Easement, Deed Restriction, or Management Plan requiring periodic certification of institutional controls/engineering (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).  ✓ Prospective Owner Prospective Remedial Party Prospective Owner Representations and Please see above  Address1:  Address2: Femail:  Certifying Party Name: Sky View Parc II, L.P.  Address4: c/o David Brickman, Onex Real Estate Partners		
VI. Contact Information for New Owner, Remedial Party, or CoC Holder: If the site there will be a new remedial party, identify the prospective owner(s) or party(ies) along information. If the site is subject to an Environmental Easement, Deed Restriction, or Management Plan requiring periodic certification of institutional controls/engineering (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).  V Prospective Owner Prospective Remedial Party Prospective Owner Representations are please see above  Address1:  Address2: ———————————————————————————————————		12-993-5706 E-mail: dbrickman@onexrealestate.com
Address1:  Address2:  Phone: E-mail:  Certifying Party Name: Sky View Parc II, L.P.  Address1: c/o David Brickman, Onex Real Estate Partners	Manageme (IC/ECs),	t Plan requiring periodic certification of institutional controls/engineering controls dicate who will be the certifying party (attach additional sheets if needed).  ive Owner Prospective Remedial Party Prospective Owner Representative
Phone: E-mail:  Certifying Party Name: Sky View Parc II, L.P.  Address I. c/o David Brickman, Onex Real Estate Partners		
Phone: E-mail: Certifying Party Name: Sky View Parc II, L.P.	Address2:	
Certifying Party Name: Sky View Parc II, L.P.  Address1: c/o David Brickman, Onex Real Estate Partners	Phone:	
Address1:	Certifying	arty Name: Sky View Parc II, L.P.
695 BIOOMILAIA AVANUA 370 BIOOT MONICIAIT NEW JEISEV 11/14/		95 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042
342 002 E706 dhriekman@onovroalestate.com		12-993-5706 dbrickman@onexrealestate.com
Phone: E-mail: distribution E-mail:	Phone:	E-mail:

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 <a href="http://www.dec.ny.gov/chemical/54736.html">http://www.dec.ny.gov/chemical/54736.html</a>. 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

_	within 15 days of the sal			
Within 30	days of the sale of the si	te, I agree to	submit to the DEC:	
<ul><li>2. the nar</li><li>3. a notic</li></ul>	me and contact information and contact information and contact information of transfer using the D375-1.9(f)).	on for any ov	vner representative;	3 7 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Name:	(Signature) David Bride	- ′m . ∩	<del></del>	(Date)
	(Print Name)			
Address1:				
Address2: 95 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042				
Phone:	212-993-5706	E-mail:	dbrickman@onexreal	estate.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 F	Park (Western), Parcel 2	DEC Site ID No. C241078
II.	Contact In	<b>nformation of Perso</b> David Brickman	on Submitting Notification	on:
	Address1:	Sky View Office Owne	er, L.P., c/o Onex Real Esta	te Partners
	Address2:	695 Bloomfield Avenu	ue, 3rd Floor Montclair, New	Jersey 07062
	Phone:	212-993-5706	E-mail: dbrickm	an@onexrealestate.com
III.	Change Transfe Other (  Proposed I  Descripti parcel inf Lot 1209 is Sept. 30. 11354. Lo	e in Ownership or Cher of Certificate of Certificate of Certificate of Certificate of Certificate of Change (mm/lon: Describe propose Cormation.  In tentatively scheduled The prospective purcher of 1233 and 1238 are to the core of the certificate of the certif	nange in Remedial Party(i ompletion (CoC) teration or other change of dd/yyyy):  See below  ed change(s) indicated about to close on October 15, 200 aser is Xiao Mei Wang, 40-2 tentatively scheduled to close	f use)  ove and attach maps, drawings, and/or  16, although the closing may occur as early as 28 College Point Blvd., PH216, Flushing, NY se on November 1, 2016. As noted in our
	Bayside, N	NY 11360. " the description mus	st explain <u>and</u> advise the I	ang Management LLC, 2734 Little Neck Blvd., Department how such change may or may medial program (attach additional sheets if

responsibi	ion Statement: Where the change of use results in a change in ownership or in lity for the proposed, ongoing, or completed remedial program for the site, the following on must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):
order, agre	ertify that the prospective purchaser and/or remedial party has been provided a copy of any eement, Site Management Plan, or State Assistance Contract regarding the Site's remedial s well as a copy of all approved remedial work plans and reports.
Name:	(Signature) (Date)
	David Brichenson (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
Manageme (IC/ECs),	n. If the site is subject to an Environmental Easement, Deed Restriction, or Site ent Plan requiring periodic certification of institutional controls/engineering controls
Name:	indicate who will be the certifying party (attach additional sheets if needed).  ective Owner Prospective Remedial Party Prospective Owner Representative Please see above
	indicate who will be the certifying party (attach additional sheets if needed).  ective Owner Prospective Remedial Party Prospective Owner Representative
Name:	indicate who will be the certifying party (attach additional sheets if needed).  ective Owner Prospective Remedial Party Prospective Owner Representative
Name: Address1:	indicate who will be the certifying party (attach additional sheets if needed).  ective Owner Prospective Remedial Party Prospective Owner Representative Please see above
Name: Address1: Address2: Phone:	indicate who will be the certifying party (attach additional sheets if needed).  ctive Owner Prospective Remedial Party Prospective Owner Representative Please see above  E-mail:
Name: Address1: Address2: Phone:	indicate who will be the certifying party (attach additional sheets if needed).  ctive Owner Prospective Remedial Party Prospective Owner Representative Please see above  E-mail:  Party Name: Sky View Parc II, L.P.  c/o David Brickman, Onex Real Estate Partners
Name: Address1: Address2: Phone:	indicate who will be the certifying party (attach additional sheets if needed).  ctive Owner Prospective Remedial Party Prospective Owner Representative Please see above  E-mail:

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 <a href="http://www.dec.ny.gov/chemical/54736.html">http://www.dec.ny.gov/chemical/54736.html</a>. 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 <a href="http://www.dec.ny.gov/chemical/54736.html">http://www.dec.ny.gov/chemical/54736.html</a> (see §375-1.9(f)).

(**- 3-	())			
Name:	(Signature)		(Date)	
	David (Print Name	Bridone		
Address1:	Sky View Office Owner,	L.P., c/o David Brick	man, Onex Real Estate Partners	
Address2:	OF Diseaseful Assessed 1			
Phone:	212-993-5706	E-mail: dbrid	ckman@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

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: 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/oparcel 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 not affect the site's proposed, ongoing, or completed remedial program (attach additional sh needed).	I.	Site Name	E: Flushing Industrial Park (Western), Parcel 2  DEC Site ID No. C241078
Address1:  Address2:  Phone:  Sky View Office Owner, L.P., c/o Onex Real Estate Partners  Address2:  Phone:  E-mail: dbrickman@onexrealestate.com  HII. 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/of 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 not affect the site's proposed, ongoing, or completed remedial program (attach additional sh	п.		
Address2:  Phone:  E-mail: dbrickman@onexrealestate.com  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/oparcel 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 not affect the site's proposed, ongoing, or completed remedial program (attach additional sh			Sky View Office Owner, L.P., c/o Onex Real Estate Partners
<ul> <li>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/o 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 not affect the site's proposed, ongoing, or completed remedial program (attach additional sh</li> </ul>			695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07062
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 not affect the site's proposed, ongoing, or completed remedial program (attach additional sh		Phone:	212-993-5706 E-mail: dbrickman@onexrealestate.com
If "Other," the description must explain <u>and</u> advise the Department how such change may or not affect the site's proposed, ongoing, or completed remedial program (attach additional sh		Change Transfe Other ( Proposed I	e in Ownership or Change in Remedial Party(ies)  er of Certificate of Completion (CoC)  (e.g., any physical alteration or other change of use)  Date of Change (mm/dd/yyyy):  Jan 2017  ion: Describe proposed change(s) indicated above and attach maps, drawings, and/or
not affect the site's proposed, ongoing, or completed remedial program (attach additional sh		Lot 1217 is	s scheduled to close in January 2017.
		not affect	

V.	responsibi	lity for the proposed, on	the change of use results in a change in ownership or in going, or completed remedial program for the site, the following y owner or designated representative; see §375-1.11(d)(3)(i)):	
VI.	order, agre	ement, Site Managemer	re purchaser and/or remedial party has been provided a copy of any of Plan, or State Assistance Contract regarding the Site's remedial oproved remedial work plans and reports.	
	Name:	Offic (Signature)	12/19/16 (Date)	
		David Brid (Print Name)	ekm	
	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	
	information Manageme (IC/ECs),	on. If the site is subject the control of the contr	, identify the prospective owner(s) or party(ies) along with contact to an Environmental Easement, Deed Restriction, or Site dic certification of institutional controls/engineering controls certifying party (attach additional sheets if needed).  ective Remedial Party Prospective Owner Representative in	
	Address1:	dress1: 3364 21st Street, Apt 6C dress2: Astoria, NY 11106		
	Address2:			
	Phone:		E-mail:	
	Certifying Address1: Address2: Phone:	Party Name: Sky View C/o David Brickman, One 695 Bloomfield Avenue, 3212-993-5706	Parc II, L.P.  x Real Estate Partners  3rd Floor Montclair, New Jersey 07042  E-mail: dbrickman@onexrealestate.com	

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).

- 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 <a href="http://www.dec.ny.gov/chemical/54736.html">http://www.dec.ny.gov/chemical/54736.html</a> (see §375-1.9(f)).

(300 32	773"117(x) <del>]</del> 7•		
Name:	(Signature)	/2//9//6_ (Date)	
	David Bruler (Print Name)	ner	
Address1:	Sky View Office Owner, L.P.,	, c/o David Brickman, Onex Real Estate Partners	
Address2:	95 Bloomfield Avenue, 3rd Fl	loor Montclair, New Jersey 07042	
	212-993-5706	E-mail: dbrickman@onexrealestate.com	



### 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:

I.	Site Name	Flushing Industria	al Park (Western), Parcel 3	DEC Site ID No. C241079
II.	Contact In	n <b>formation of Pe</b> r David Brickman	rson Submitting Notificat	ion:
	Address1:	Sky View Office Ov	wner, L.P., c/o Onex Real Est	ate Partners
	Address2:	695 Bloomfield Ave	enue, 3rd Floor Montclair, Nev	v Jersey 07062
	Phone:	212-993-5706	E-mail: dbrickr	nan@onexrealestate.com
III.	Chang Transf Other Proposed	e in Ownership or fer of Certificate of (e.g., any physical Date of Change (m	Indicate the Type of Change Change in Remedial Party of Completion (CoC) alteration or other change on the change of the change	(ies)
	Lot 1217 i	s scheduled to close	e in January 2017.	
	If "Other not affect needed).	"," the description r the site's propose	must explain <u>and</u> advise the ed, ongoing, or completed i	Department how such change may or may remedial program (attach additional sheets if

V.	responsibi	ion Statement: Where the change of use results in a change in ownership or in lity for the proposed, ongoing, or completed remedial program for the site, the following on must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):
	order, agre	ertify that the prospective purchaser and/or remedial party has been provided a copy of any seement, Site Management Plan, or State Assistance Contract regarding the Site's remedial s well as a copy of all approved remedial work plans and reports.
	Name:	(Signature) 12/19/16 (Date)
		Pavid Brickner (Print Name)
i	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
	information Manageme (IC/ECs),	be a new remedial party, identify the prospective owner(s) or party(ies) along with contact on. If the site is subject to an Environmental Easement, Deed Restriction, or Site ent Plan requiring periodic certification of institutional controls/engineering controls indicate who will be the certifying party (attach additional sheets if needed).  Sective Owner Prospective Remedial Party Prospective Owner Representative Jin Zhang and Lanato Sun
	Address1:	
	Address2:	Astoria, NY 11106
	Phone:	E-mail:
	Certifying	Party Name: Sky View Parc II, L.P. c/o David Brickman, Onex Real Estate Partners
		COE Discussion and Class Mantalain Navy Jaragu 07040
	Address2:	212-993-5706 E-mail: dbrickman@onexrealestate.com
	Phone:	E-mail:

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:

212-993-5706

Phone:

2. th	ne nan	ne and contact information for the new one and contact information for any owned of transfer using the DEC's form found	
(s	see §3 e:	75-1.9(f) (Signature)	/2//9/16 (Date)
		David Brickmon (Print Name)	
Addr	00011		
Addr	ess2:	95 Bloomfield Avenue, 3rd Floor Montclair,	New Jersey 07042

E-mail: dbrickman@onexrealestate.com



### 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:

I.	Site Name	: Flushing Industrial Park (Western), Parcel 2  DEC Site ID No. C241078
и.		formation of Person Submitting Notification: David Brickman
		Sky View Office Owner, L.P., c/o Onex Real Estate Partners
		695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07062
	Phone:	212-993-5706 E-mail: dbrickman@onexrealestate.com
III.	Change Transfe Other (continue) Proposed D  Description parcel info	in Ownership or Change in Remedial Party(ies)  r of Certificate of Completion (CoC)  e.g., any physical alteration or other change of use)  oute of Change (mm/dd/yyyy): Nov. 21, 2016  out Describe proposed change(s) indicated above and attach maps, drawings, and/or ormation.  corrects one dated Sept. 6, 2016. The correct purchaser information for Lots 1233 and 1238 is & 37 LLC. Post-closing notification will be sent as well.
		'the description must explain <u>and</u> advise the Department how such change may or may the site's proposed, ongoing, or completed remedial program (attach additional sheets if

	order, agre	ement, Site Managen	tive purchaser and/or remedial party has been provided a copy of a nent Plan, or State Assistance Contract regarding the Site's remedia approved remedial work plans and reports.
	Name:	Defendance) (Signature)	(Date)
		Dovid Brich (Print Name	•
	Address1:		er, L.P., c/o Onex Real Estate Partners
	Address2:		e, 3rd Floor Montclair, New Jersey 07042
			- dprickman(d)onexrealestate com
Т.	there will l informatio Manageme	be a new remedial par n. If the site is subject ent Plan requiring peri	rty, identify the prospective owner(s) or party(ies) along with cont ct to an Environmental Easement, Deed Restriction, or Site iodic certification of institutional controls/engineering controls
7.	Contact In there will I informatio Manageme (IC/ECs),	nformation for New pe a new remedial parent. If the site is subjected Plan requiring periodicate who will be to	Owner, Remedial Party, or CoC Holder: If the site will be solerty, identify the prospective owner(s) or party(ies) along with context to an Environmental Easement, Deed Restriction, or Site
л.	Contact In there will I informatio Manageme (IC/ECs),  Prospe Name:	nformation for New be a new remedial par n. If the site is subjected that the site is subjected to the site is subjected	Owner, Remedial Party, or CoC Holder: If the site will be solerty, identify the prospective owner(s) or party(ies) along with contect to an Environmental Easement, Deed Restriction, or Site modic certification of institutional controls/engineering controls the certifying party (attach additional sheets if needed).  Spective Remedial Party Prospective Owner Representative
Л.	Contact In there will I informatio Manageme (IC/ECs),  Prospe Name: Address1:	nformation for New per a new remedial par new requiring per indicate who will be to ctive Owner Proseskyview 31 & 37 LLC c/o Wendy Wenqin Lu	Owner, Remedial Party, or CoC Holder: If the site will be solarly, identify the prospective owner(s) or party(ies) along with context to an Environmental Easement, Deed Restriction, or Site iodic certification of institutional controls/engineering controls the certifying party (attach additional sheets if needed).  spective Remedial Party Prospective Owner Representative
л.	Contact In there will I informatio Manageme (IC/ECs),  Prospe Name: Address1:	nformation for New pe a new remedial par n. If the site is subjected that Plan requiring periodicate who will be to ctive Owner Prosective Own	Owner, Remedial Party, or CoC Holder: If the site will be solarly, identify the prospective owner(s) or party(ies) along with context to an Environmental Easement, Deed Restriction, or Site iodic certification of institutional controls/engineering controls the certifying party (attach additional sheets if needed).  spective Remedial Party Prospective Owner Representative
Л.	Contact In there will I information Management (IC/ECs), if Prosper Name: Address1: Address2: Phone:	nformation for New be a new remedial par n. If the site is subjected Plan requiring periodicate who will be to ctive Owner Proseskyview 31 & 37 LLC c/o Wendy Wenqin Lu 3196 213th Street, Bay 214-837-9648	Owner, Remedial Party, or CoC Holder: If the site will be solerty, identify the prospective owner(s) or party(ies) along with contect to an Environmental Easement, Deed Restriction, or Site iodic certification of institutional controls/engineering controls the certifying party (attach additional sheets if needed).  spective Remedial Party Prospective Owner Representative yside, NY 11360  E-mail:
л.	Contact In there will I informatio Manageme (IC/ECs), IV Prospe Name: Address1: Address2: Phone:	nformation for New per a new remedial par not per indicate who will be to ctive Owner Proseskyview 31 & 37 LLC c/o Wendy Wenqin Lu 3196 213th Street, Bay 214-837-9648  Party Name: Sky View Control of the control of t	Owner, Remedial Party, or CoC Holder: If the site will be solerty, identify the prospective owner(s) or party(ies) along with contect to an Environmental Easement, Deed Restriction, or Site iodic certification of institutional controls/engineering controls the certifying party (attach additional sheets if needed).  spective Remedial Party Prospective Owner Representative yside, NY 11360  E-mail:
л.	Contact In there will I information Management (IC/ECs), if Prosper Name: Address1: Address2: Phone:	nformation for New be a new remedial par n. If the site is subjected that the site is subjected that the site is subjected to the site is subjecte	Owner, Remedial Party, or CoC Holder: If the site will be solerly, identify the prospective owner(s) or party(ies) along with concet to an Environmental Easement, Deed Restriction, or Site riodic certification of institutional controls/engineering controls the certifying party (attach additional sheets if needed).  spective Remedial Party Prospective Owner Representative yside, NY 11360  E-mail:

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).

- 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 <a href="http://www.dec.ny.gov/chemical/54736.html">http://www.dec.ny.gov/chemical/54736.html</a> (see §375-1.9(f)).

Name:	(Signature)	12//9/16 (Date)
	David Brice (Print Name)	
Address1:	` `	L.P., c/o David Brickman, Onex Real Estate Partners
Address2:	95 Bloomfield Avenue,	Brd Floor Montclair, New Jersey 07042
Phone:	212-993-5706	E-mail: dbrickman@onexrealestate.com



### 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:

I.	Site Name	Flushing Industrial Park (Western), Parcel 3  DEC Site ID No. C241079
п.	Contact In	nformation of Person Submitting Notification: 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.	✓ Chang  Transf  Other	hange and Date: Indicate the Type of Change(s) (check all that apply):  e in Ownership or Change in Remedial Party(ies)  er of Certificate of Completion (CoC)  (e.g., any physical alteration or other change of use)  Date of Change (mm/dd/yyyy): Nov. 21, 2016
IV.	_	ion: Describe proposed change(s) indicated above and attach maps, drawings, and/or formation.
	This notice Skyview 3	e corrects one dated Sept. 6, 2016. The correct purchaser information for Lots 1233 and 1238 is 1 & 37 LLC. Post-closing notification will be sent as well.
		"the description must explain and advise the Department how such change may or may the site's proposed, ongoing, or completed remedial program (attach additional sheets if

V.	responsibi	<b>Statement:</b> Where the change of use results in a change in ownership or in lity for the proposed, ongoing, or completed remedial program for the site, the following on must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):
	order, agre	certify that the prospective purchaser and/or remedial party has been provided a copy of any seement, Site Management Plan, or State Assistance Contract regarding the Site's remedial is well as a copy of all approved remedial work plans and reports.
	Name:	(Signature)   12/19/16   (Date)
		Devid Brickozen (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
	Manageme (IC/ECs),  Prospe	n. If the site is subject to an Environmental Easement, Deed Restriction, or Site ent Plan requiring periodic certification of institutional controls/engineering controls indicate who will be the certifying party (attach additional sheets if needed).  ective Owner Prospective Remedial Party Prospective Owner Representative Skyview 31 & 37 LLC
	Name:	c/o Wendy Wenqin Lu
	Address1;	3196 213th Street, Bayside, NY 11360
	Phone:	214-837-9648 E-mail:
	Certifying	Party Name: Sky View Parc II, L.P. c/o David Brickman, Onex Real Estate Partners
		695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042
	Address2:	
	Phone:	212-993-5706 E-mail: dbrickman@onexrealestate.com

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).

- 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 <a href="http://www.dec.ny.gov/chemical/54736.html">http://www.dec.ny.gov/chemical/54736.html</a> (see §375-1.9(f)).

(see §3	75-1.9(f)).	
Name:	Defection (Signature)	/2/19/16 (Date)
	David Bricks (Print Name)	
Address1:	Sky View Office Owner,	L.P., c/o David Brickman, Onex Real Estate Partners
Address2:	05 Dt 6 - Ld A	3rd Floor Montclair, New Jersey 07042
Phone:	212-993-5706	E-mail: dbrickman@onexrealestate.com



## 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:

I.	Site Name	Elushing Industrial	Park (Western), Parcel 2	DEC Site ID No. C241078
II.	Contact In Name: Address1:	David Brickman Sky View Office Owl	son Submitting Notification	Partners
	Address2: Phone:	695 Bloomfield Aver 212-993-5706	nue, 3rd Floor Montclair, New c E-mail: dbrickma	ersey 07062 n@onexrealestate.com
ш.	✓ Change  Transfe	e in Ownership or Cer of Certificate of C	lteration or other change of	s)
IV.	parcel inf	ormation.	<b>5</b>	ve and attach maps, drawings, and/or  Although no contract has been signed, the gned.
				epartment how such change may or may nedial program (attach additional sheets if

order, agre	ement, Site Managen		nedial party has been provided a copy ance Contract regarding the Site's rent plans and reports.
Name:	(Signature	1	(Date)
	Oignature	,	(Date)
	(Print Name	e)	
Address1:	Sky View Office Owner	r, L.P., c/o Onex Real Estat	te Partners
Address2:	695 Bloomfield Avenue	e, 3rd Floor Montclair, New	Jersey 07042
Phone:	212-993-5706	E-mail: dbrickma	an@onexrealestate.com
there will informatio Manageme	be a new remedial par n. If the site is subjec ent Plan requiring peri	ty, identify the prospecti at to an Environmental Ea iodic certification of insti	y, or CoC Holder: If the site will be a very owner(s) or party(ies) along with casement, Deed Restriction, or Site itutional controls/engineering controls hadditional sheets if needed).
there will information Manageme (IC/ECs),  Prospe	be a new remedial par n. If the site is subject ent Plan requiring peri indicate who will be t	ty, identify the prospection to an Environmental East odic certification of institute the certifying party (attack	ve owner(s) or party(ies) along with c asement, Deed Restriction, or Site itutional controls/engineering controls
there will information Manageme (IC/ECs),  Prospe	be a new remedial parn. If the site is subjected in Plan requiring periodicate who will be the ctive Owner Pros	ty, identify the prospective to an Environmental Eat to an Environmental Eat to a certification of institute he certifying party (attackspective Remedial Party	ve owner(s) or party(ies) along with casement, Deed Restriction, or Site itutional controls/engineering controls hadditional sheets if needed).
there will information Manageme (IC/ECs),  Prosper Name: Address1:	be a new remedial parent. If the site is subjected that the site is subjected that the site is subjected to the site of the sective Owner. Prosective Owner Prosective Owner.	ty, identify the prospective to an Environmental East to an Environmental East odic certification of institute he certifying party (attack spective Remedial Party	ve owner(s) or party(ies) along with casement, Deed Restriction, or Site itutional controls/engineering controls hadditional sheets if needed).
there will information Manageme (IC/ECs),  Prospe	be a new remedial parent. If the site is subjected Plan requiring periodicate who will be the setive Owner Prosective Owner Prosective Apt 6	ty, identify the prospective to an Environmental East to an Environmental East odic certification of institute he certifying party (attackspective Remedial Party CC Flushing, NY 11355	ve owner(s) or party(ies) along with casement, Deed Restriction, or Site itutional controls/engineering controls hadditional sheets if needed).
there will informatic Manageme (IC/ECs),  Prospe Name: Address1: Address2: Phone:	be a new remedial parent. If the site is subjected that requiring periodicate who will be the ective Owner Prosective Owner Prosective April 2364 21st Street, April 241-60 Main St., #305, 1718) 888-0061	ty, identify the prospective to an Environmental East to an Environmental East iddic certification of institute he certifying party (attackspective Remedial Party)  SC  Flushing, NY 11355  E-mail: brenda@	ve owner(s) or party(ies) along with casement, Deed Restriction, or Site itutional controls/engineering controls hadditional sheets if needed).  Prospective Owner Representati
there will information Manageme (IC/ECs),  Prospet Name: Address1: Address2: Phone:	be a new remedial parent. If the site is subjected that Plan requiring periodicate who will be the setive Owner Prosective Owner Prosective Owner Prosective Owner Aprox 2364 21st Street, Aprox 241-60 Main St., #305, In (718) 888-0061	ty, identify the prospective to an Environmental Eastedic certification of institute certifying party (attack spective Remedial Party  GC  Flushing, NY 11355  E-mail: brenda@	ve owner(s) or party(ies) along with casement, Deed Restriction, or Site itutional controls/engineering controls hadditional sheets if needed).  Prospective Owner Representati
there will information Manageme (IC/ECs),  Prospet Name: Address1: Address2: Phone:	be a new remedial parent. If the site is subjected that Plan requiring periodicate who will be the setive Owner Prosective Owner Owner Prosective Owner Own	ty, identify the prospective to an Environmental East to an Environmental East iddic certification of institute he certifying party (attackspective Remedial Party)  SC  Flushing, NY 11355  E-mail: brenda@	ve owner(s) or party(ies) along with casement, Deed Restriction, or Site itutional controls/engineering controls hadditional sheets if needed).  Prospective Owner Representation

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).

- 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 <a href="http://www.dec.ny.gov/chemical/54736.html">http://www.dec.ny.gov/chemical/54736.html</a> (see §375-1.9(f)).

Name:	(Signature)	2/13/17 (Date)
	David Brickman	
Address1:	(Print Name)	
Address2:		
Phone:	E-mail:	



### 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:

I.	Site Name	: Flushing Industrial Park (Western), Parcel 3  DEC Site ID No. C241079
п.		nformation of Person Submitting Notification: David Brickman
		Sky View Office Owner, L.P., c/o Onex Real Estate Partners
		695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07062
	Phone:	212-993-5706 E-mail: dbrickman@onexrealestate.com
III.	Change Transfe Other ( Proposed I  Descripti parcel info	hange and Date: Indicate the Type of Change(s) (check all that apply):  e in Ownership or Change in Remedial Party(ies)  er of Certificate of Completion (CoC)  (e.g., any physical alteration or other change of use)  Date of Change (mm/dd/yyyy):  March 2017  ion: Describe proposed change(s) indicated above and attach maps, drawings, and/or formation.  er is in discussions to transfer Lots 1211 and 1212. Although no contract has been signed, the
	closing cou	uld occur as soon as 45 days after the contract is signed.
		"the description must explain <u>and</u> advise the Department how such change may or may the site's proposed, ongoing, or completed remedial program (attach additional sheets if

I hereby c	ertify that the prospect	tive purchaser and/or rem	edial party has been provided a copy ance Contract regarding the Site's rem
		approved remedial work	
Name:			
	(Signature)	)	(Date)
	(Print Name	9)	
Address1:	Sky View Office Owner	r, L.P., c/o Onex Real Estat	e Partners
Address2:	COE Disamfield Avenue	e, 3rd Floor Montclair, New	Jersey 07042
	212-993-5706	E-mail. dbrickma	n@onexrealestate.com
there will information Managem	be a new remedial par on. If the site is subject ent Plan requiring peri	Owner, Remedial Party ty, identify the prospective to an Environmental Ea iodic certification of insti	y, or CoC Holder: If the site will be a very owner(s) or party(ies) along with consement, Deed Restriction, or Site tutional controls/engineering controls hadditional sheets if needed).
Contact I there will information Managem (IC/ECs),	be a new remedial par on. If the site is subjec- ent Plan requiring peri indicate who will be the ective Owner Pros	Owner, Remedial Party ty, identify the prospecti- of to an Environmental Ea iodic certification of insti he certifying party (attacl	ve owner(s) or party(ies) along with c sement, Deed Restriction, or Site tutional controls/engineering controls
Contact I there will information Managem (IC/ECs),	be a new remedial par on. If the site is subjec- ent Plan requiring peri indicate who will be the ective Owner Pros Lewensa LLC	Owner, Remedial Party ty, identify the prospective t to an Environmental Ea iodic certification of insti he certifying party (attack spective Remedial Party	ve owner(s) or party(ies) along with consement, Deed Restriction, or Site tutional controls/engineering controls additional sheets if needed).
Contact I there will information Managem (IC/ECs),	be a new remedial par on. If the site is subjec- ent Plan requiring peri indicate who will be t ective Owner Pros Lewensa LLC	Owner, Remedial Party ty, identify the prospective t to an Environmental Ea iodic certification of insti he certifying party (attack spective Remedial Party	ve owner(s) or party(ies) along with consement, Deed Restriction, or Site tutional controls/engineering controls additional sheets if needed).
Contact I there will information Managem (IC/ECs),  Prosponse	be a new remedial par on. If the site is subjec- ent Plan requiring peri indicate who will be the ective Owner Pros Lewensa LLC 3364 21st Street, Apt 6 41-60 Main St., #305, I	Owner, Remedial Party ty, identify the prospective to an Environmental Eatiodic certification of instite he certifying party (attack spective Remedial Party SC Flushing, NY 11355	ve owner(s) or party(ies) along with consement, Deed Restriction, or Site tutional controls/engineering controls additional sheets if needed).  Prospective Owner Representati
Contact I there will information Managem (IC/ECs),  Prosponses Name: Address I	be a new remedial par on. If the site is subject ent Plan requiring peri indicate who will be the ective Owner Pros Lewensa LLC 3364 21st Street, Apt 6	Owner, Remedial Party ty, identify the prospective to an Environmental Eatiodic certification of instite he certifying party (attack spective Remedial Party SC Flushing, NY 11355	ve owner(s) or party(ies) along with consement, Deed Restriction, or Site tutional controls/engineering controls additional sheets if needed).
Contact I there will information Managem (IC/ECs),  Prospone Name: Address1 Address2 Phone:	be a new remedial par on. If the site is subject ent Plan requiring peri indicate who will be the ective Owner Pros Lewensa LLC 3364 21st Street, Apt 6 41-60 Main St., #305, I	Owner, Remedial Party ty, identify the prospective to an Environmental Ea iodic certification of insti he certifying party (attack spective Remedial Party  6C Flushing, NY 11355  E-mail: brenda@	ve owner(s) or party(ies) along with consement, Deed Restriction, or Site tutional controls/engineering controls additional sheets if needed).  Prospective Owner Representati  Damninstitute.com
Contact I there will information Managem (IC/ECs),  Prospe Name: Address1: Address2 Phone:	be a new remedial par on. If the site is subject ent Plan requiring peri indicate who will be the ective Owner Pros Lewensa LLC 3364 21st Street, Apt 6 41-60 Main St., #305, I (718) 888-0061	Owner, Remedial Party ty, identify the prospective t to an Environmental Ea iodic certification of insti he certifying party (attack spective Remedial Party  6C  Flushing, NY 11355  E-mail: brenda@	ve owner(s) or party(ies) along with consement, Deed Restriction, or Site tutional controls/engineering controls additional sheets if needed).  Prospective Owner Representati
Contact I there will information Managem (IC/ECs),  Prospe Name: Address1: Address2 Phone:	be a new remedial par on. If the site is subject ent Plan requiring peri indicate who will be the ective Owner Pros Lewensa LLC 3364 21st Street, Apt 6 41-60 Main St., #305, I (718) 888-0061  Party Name: Sky View C/o David Brickman, O	Owner, Remedial Party ty, identify the prospective to an Environmental Ea iodic certification of insti he certifying party (attack spective Remedial Party  6C Flushing, NY 11355  E-mail: brenda@	ve owner(s) or party(ies) along with consement, Deed Restriction, or Site tutional controls/engineering controls additional sheets if needed).  Prospective Owner Representati  Damninstitute.com

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).

- 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 <a href="http://www.dec.ny.gov/chemical/54736.html">http://www.dec.ny.gov/chemical/54736.html</a> (see §375-1.9(f)).

Name:	David tel	2//3//7
	(Signature)	(Dắte)
_	Devel Brickner (Print Name)	
	(1 line (vaine)	
Address1: _		
Address2: _		
Phone:	E-mail:	

### SIVE PAGET & RIESEL P.C.

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

June14, 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.

- 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 been 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.



## 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:

I.	Site Name	Flushing Industr	ial Park (Western), Pard	DEC	Site ID No.	C241078
п.	Contact In	n <b>formation of Pe</b> David Brickman	erson Submitting No	tification:		
	Address1:	Sky View Office O	wner, L.P., c/o Onex Re	eal Estate Partner	s	7
	Address2:	695 Bloomfield Av	enue, 3rd Floor Montol	air, New Jersey 07	′062	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Phone:	212-993-5706	E-mail:	dbrickman@onex	realestate.cor	n
III.	Change Transfe Other (	e in Ownership or er of Certificate of e.g., any physical Date of Change (non: Describe prop	Indicate the Type of r Change in Remedial of Completion (CoC) I alteration or other chann/dd/yyyy):  See attraction of the change of the chang	Party(ies) ange of use)		
	Please see	e attached.				
			must explain <u>and</u> advi			change may or may ch additional sheets if

V.	responsibi	lity for the proposed, o	e the change of use results in ongoing, or completed remed (by owner or designated repr	a change in ownership or in lial program for the site, the following esentative; see §375-1.11(d)(3)(i)):
	order, agre	ement, Site Manageme	ive purchaser and/or remedia ent Plan, or State Assistance approved remedial work plar	al party has been provided a copy of any Contract regarding the Site's remedial as and reports.
	Name:	(Signature)		6//4//6 (Date)
		David Bry (Print Name)	cknon	
	Address1:	Sky View Office Owner,	, L.P., c/o Onex Real Estate Pa	rtners
	Address2:	695 Bloomfield Avenue,	, 3rd Floor Montclair, New Jerse	ey 07042
	Phone:	212-993-5706	E-mail: dbrickman@o	nexrealestate.com
VI.	there will l	e a new remedial party	y, identify the prospective ov	CoC Holder: If the site will be sold or wner(s) or party(ies) along with contact ent, Deed Restriction, or Site
VI.	there will I informatio Manageme (IC/ECs), i	be a new remedial party  n. If the site is subject  ent Plan requiring perion  indicate who will be the	y, identify the prospective over to an Environmental Easement of certification of institution of the certifying party (attach additional)	wner(s) or party(ies) along with contact ent, Deed Restriction, or Site nal controls/engineering controls
VI.	there will I informatio Manageme (IC/ECs), i	be a new remedial party on. If the site is subject ent Plan requiring period indicate who will be the otive Owner Prosp	y, identify the prospective over to an Environmental Easement of certification of institution of the certifying party (attach additional)	wner(s) or party(ies) along with contact ent, Deed Restriction, or Site nal controls/engineering controls litional sheets if needed).
VI.	there will I informatio Manageme (IC/ECs), i	be a new remedial party on. If the site is subject ent Plan requiring period indicate who will be the otive Owner Prosp	y, identify the prospective over to an Environmental Easement of certification of institution of certifying party (attach additional party) (attach additional Party)	wner(s) or party(ies) along with contact ent, Deed Restriction, or Site nal controls/engineering controls litional sheets if needed).  Prospective Owner Representative
VI.	there will linformation Managemet (IC/ECs), if Prosper Name:	be a new remedial party on. If the site is subject ent Plan requiring period indicate who will be the otive Owner Prosp	ry, identify the prospective over to an Environmental Easement of certification of institution are certifying party (attach addressed Remedial Party	wner(s) or party(ies) along with contact ent, Deed Restriction, or Site nal controls/engineering controls litional sheets if needed).
VI.	there will linformation Management (IC/ECs), if Prosper Name: Address1: Address2: Phone:	pe a new remedial party n. If the site is subject ent Plan requiring period indicate who will be the ctive Owner Prosp Please see attached.  Party Name: Sky View	ey, identify the prospective over to an Environmental Easement of certification of institution in certifying party (attach additional pective Remedial Party	wner(s) or party(ies) along with contact ent, Deed Restriction, or Site nal controls/engineering controls litional sheets if needed).  Prospective Owner Representative
VI.	there will linformation Management (IC/ECs), if Prosper Name: Address1: Address2: Phone:	pe a new remedial party n. If the site is subject ent Plan requiring period indicate who will be the ctive Owner Prosp Please see attached.  Party Name: Sky View c/o David Brickman, One	ex, identify the prospective over to an Environmental Easement of certification of institution in certifying party (attach additional extra pective Remedial Party E-mail:  E-mail:  Parc II, L.P.  Tex Real Estate Partners	wner(s) or party(ies) along with contact ent, Deed Restriction, or Site nal controls/engineering controls litional sheets if needed).  Prospective Owner Representative
VI.	there will linformation Management (IC/ECs), if Prosper Name: Address1: Address2: Phone:	pe a new remedial party n. If the site is subject ent Plan requiring period indicate who will be the ctive Owner Prosp Please see attached.  Party Name: Sky View c/o David Brickman, One	ey, identify the prospective over to an Environmental Easement of certification of institution in certifying party (attach additional pective Remedial Party	wner(s) or party(ies) along with contact ent, Deed Restriction, or Site nal controls/engineering controls litional sheets if needed).  Prospective Owner Representative

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 <a href="http://www.dec.ny.gov/chemical/54736.html">http://www.dec.ny.gov/chemical/54736.html</a> (see §375-1.9(f)).

Name:	O.J. (Signature	6/14/16 (Date)
	David Br (Print Nam	
Address1:	Sky View Office Owne	, 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

	T		1	1	1		T	
Legal						Contact Phone		
_	Lot Number	Purchaser	Contact Person	Address	City, State Zip	Number	Contact Email Address	Closing Date
	1207	r di cirasei	Contact 1 ciscus	71001.000	Sity, State 2.p		Gentage Email / tau ess	G.00B 2 u.c.
	1208							
	1209							
	1210							
	1211							
	1212							
						917-365-9278	brenda@amninstitute.com	
E08	1213	VIBRENA LLC	Jin Gui Sun and Yumei Wang	40-28 College Point Blvd., Unit 901	Flushing, NY 11354	718-200-7257	anna@amninstitute.com	March 21, 2016
					3,	718-200-7257	brenda@amninstitute.com	,
E09	1214	VIBRENA LLC	Jin Gui Sun and Yumei Wang	40-28 College Point Blvd., Unit 901	Flushing, NY 11354	917-365-9258	_	March 21, 2016
	1215	HLSF LLC		40-22 College Point Blvd., Unit 9C	Flushing, NY 11354			January 29, 2016
	-				<b>3</b> ,	917-301-1705		
E11	1216	Kuangmu LLC	Ji-Qing Wei and Yingji Liu	7261 Yellowstone Blvd.	Forest Hills, NY 11375	718-353-7626	Doc.Wei@yahoo.com	February 18, 2016
	1217	3	3,		,			• •
	1218							
	1219	TAS R.E. Management LLC		1342 Plandome Road	Manhasset, NY 11030			January 27, 2016
		, and the second			,	516-672-0878	abell@skyvieweyecare.org	• •
E17	1220	Skyview 17 LLC	Andrew Bell (Manager) and Wei Liao (Sole Member)	130 Hill Park Avenue	Great Neck, NY 11021	516-672-1524	Jwliao@skyvieweyecare.org	April 7, 2016
	1221	J2C2, LLC		837 58th Street, Unit 3F	Brooklyn, NY 11220			TBD
	1222	,		·	<u> </u>			
						646-238-3359	jianyun99@gmail.com	
						717-877-2268	zhangzhiyou@yahoo.com	
E20	1223	Esmond Management LLC	Yun Feng and Zhi You Zhang and Hongye Li	343 East 30th Street, Unit 16J	New York, NY 10016	631-388-1212		May 26, 2016
						917-922-0098	clamrx@gmail.com	•
E21	1224	RX371 LLC	Chung Lui Lam and Man Ho Lam	4630 Kissena Blvd.	Flushing, NY 11355	812-240-5036	man35151@yahoo.com	March 7, 2016
E22	1225				<u> </u>		·	·
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
	1228							•
E27	1229							
						917-838-8919	rnyein@aol.com	
E28	1230	Roland Nyein and Lila Nyein	Roland Nyein and Lila Nyein	6 Stillwell Lane	Woodbury, NY 11797	646265-4391		March 10, 2016
E29	1231	Willis Great Empire LLC		63 Bristol Drive	Manhasset, NY 11030			TBD
						631-235-3206	onewaychoochootrain@yahoo.com	
E30	1232	J & R Team LLC	Wen-Wei Tchou and Linda Ling-Hua Huang	134-43 Maple Avenue, Unit 1E	Flushing, NY 11355	917-579-1291	Molars99@yahoo.com	February 25, 2016
E31	1233	Da Tang Management LLC		2734 Little Neck Blvd.	Bayside, NY 11360			
	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
						718-808-2889		-
E36	1237	City Bright Holding LLC	Lei Huang	6 Franklin Avenue	Port Washington, NY 11050	215-900-9332	guovictoria@hotmail.com	May 31, 2016
E37	1238	Da Tang Management LLC		2734 Little Neck Blvd.	Bayside, NY 11360			



### 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:

I.	Site Name	e: Flushing industrial Park (Western), Parcel 3  DEC Site ID No. C241079
п.	Contact In	nformation of Person Submitting Notification: 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
m.	Chang Transf Other Proposed	change and Date: Indicate the Type of Change(s) (check all that apply):  e in Ownership or Change in Remedial Party(ies)  for of Certificate of Completion (CoC)  (e.g., any physical alteration or other change of use)  Date of Change (mm/dd/yyyy):  See attached.  ion: Describe proposed change(s) indicated above and attach maps, drawings, and/or formation.
	Please se	e attached.
		"the description must explain and advise the Department how such change may or may the site's proposed, ongoing, or completed remedial program (attach additional sheets if

V.	responsibi	tion Statement: Where the change of use results in a change in ownership or in ility for the proposed, ongoing, or completed remedial program for the site, the following on must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):	ŗ
	order, agr	ertify that the prospective purchaser and/or remedial party has been provided a copy of areement, Site Management Plan, or State Assistance Contract regarding the Site's remediates well as a copy of all approved remedial work plans and reports.	ny al
	Name:	D. J. 6/14/2016 (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	
	informatio Manageme (IC/ECs),	be a new remedial party, identify the prospective owner(s) or party(ies) along with contact on. If the site is subject to an Environmental Easement, Deed Restriction, or Site ent Plan requiring periodic certification of institutional controls/engineering controls indicate who will be the certifying party (attach additional sheets if needed).  Sective Owner Prospective Remedial Party Prospective Owner Representative Please see attached.	CL
	Address1:		
	Address2:		
	Phone:	E-mail:	
	Certifying Address1: Address2: Phone:	Party Name: Sky View Parc II, L.P. c/o David Brickman, Onex Real Estate Partners 695 Bloomfield Avenue, 3rd Floor Montclair, New Jersey 07042 212-993-5706 E-mail: dbrickman@onexrealestate.com	

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).

- 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 <a href="http://www.dec.ny.gov/chemical/54736.html">http://www.dec.ny.gov/chemical/54736.html</a> (see §375-1.9(f)).

Name:	(Signature)	6/14/16 (Date)
	David Bricken (Print Name)	
Address1:	Sky View Office Owner, L	.P., c/o David Brickman, Onex Real Estate Partners
Address2:	95 Bloomfield Avenue, 3r	d Floor Montclair, New Jersey 07042
Phone:	212-993-5706	E-mail: dbrickman@onexrealestate.com

	T		1	1	1		T	
Legal						Contact Phone		
_	Lot Number	Purchaser	Contact Person	Address	City, State Zip	Number	Contact Email Address	Closing Date
	1207	r di cirasei	Contact 1 ciscus	71001.000	Sity, State 2.p		Gentage Email / tau ess	G.00B 2 u.c.
	1208							
	1209							
	1210							
	1211							
	1212							
						917-365-9278	brenda@amninstitute.com	
E08	1213	VIBRENA LLC	Jin Gui Sun and Yumei Wang	40-28 College Point Blvd., Unit 901	Flushing, NY 11354	718-200-7257	anna@amninstitute.com	March 21, 2016
					3,	718-200-7257	brenda@amninstitute.com	,
E09	1214	VIBRENA LLC	Jin Gui Sun and Yumei Wang	40-28 College Point Blvd., Unit 901	Flushing, NY 11354	917-365-9258	_	March 21, 2016
	1215	HLSF LLC		40-22 College Point Blvd., Unit 9C	Flushing, NY 11354			January 29, 2016
	-				<b>3</b> ,	917-301-1705		
E11	1216	Kuangmu LLC	Ji-Qing Wei and Yingji Liu	7261 Yellowstone Blvd.	Forest Hills, NY 11375	718-353-7626	Doc.Wei@yahoo.com	February 18, 2016
	1217	3	3,		,			• •
	1218							
	1219	TAS R.E. Management LLC		1342 Plandome Road	Manhasset, NY 11030			January 27, 2016
		, and the second			,	516-672-0878	abell@skyvieweyecare.org	• •
E17	1220	Skyview 17 LLC	Andrew Bell (Manager) and Wei Liao (Sole Member)	130 Hill Park Avenue	Great Neck, NY 11021	516-672-1524	Jwliao@skyvieweyecare.org	April 7, 2016
	1221	J2C2, LLC		837 58th Street, Unit 3F	Brooklyn, NY 11220			TBD
	1222	,		·	<u> </u>			
						646-238-3359	jianyun99@gmail.com	
						717-877-2268	zhangzhiyou@yahoo.com	
E20	1223	Esmond Management LLC	Yun Feng and Zhi You Zhang and Hongye Li	343 East 30th Street, Unit 16J	New York, NY 10016	631-388-1212		May 26, 2016
						917-922-0098	clamrx@gmail.com	•
E21	1224	RX371 LLC	Chung Lui Lam and Man Ho Lam	4630 Kissena Blvd.	Flushing, NY 11355	812-240-5036	man35151@yahoo.com	March 7, 2016
E22	1225				<u> </u>		·	·
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
	1228							•
E27	1229							
						917-838-8919	rnyein@aol.com	
E28	1230	Roland Nyein and Lila Nyein	Roland Nyein and Lila Nyein	6 Stillwell Lane	Woodbury, NY 11797	646265-4391		March 10, 2016
E29	1231	Willis Great Empire LLC		63 Bristol Drive	Manhasset, NY 11030			TBD
						631-235-3206	onewaychoochootrain@yahoo.com	
E30	1232	J & R Team LLC	Wen-Wei Tchou and Linda Ling-Hua Huang	134-43 Maple Avenue, Unit 1E	Flushing, NY 11355	917-579-1291	Molars99@yahoo.com	February 25, 2016
E31	1233	Da Tang Management LLC		2734 Little Neck Blvd.	Bayside, NY 11360			
	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
						718-808-2889		-
E36	1237	City Bright Holding LLC	Lei Huang	6 Franklin Avenue	Port Washington, NY 11050	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 38<sup>th</sup> 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 213<sup>th</sup> 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 Coohlan

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



Photograph 2: Utility installation on the southern portion of Parcel 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 7: RMZ B soil excavation for the SVP West Entrance Pavilion elevator pit.



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



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



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



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





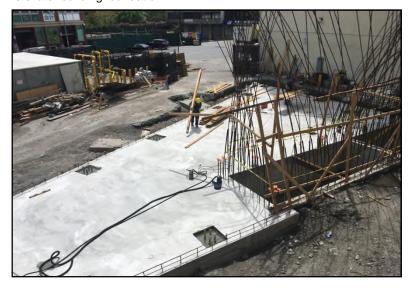
Photograph 13: Backfilling with RMZ A soil around the elevator pit foundation.



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

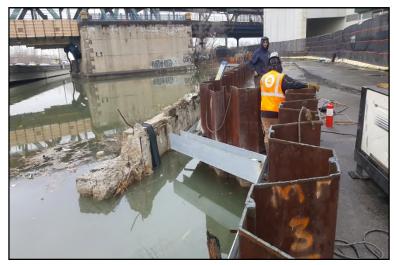


Photograph 14: Backfilling and compacting imported gravel within the elevator building foundation.



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





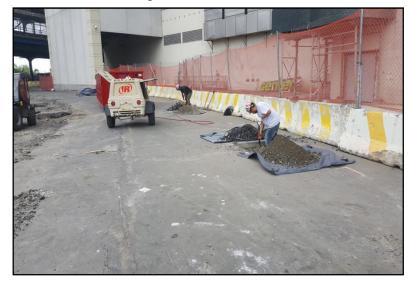
Photograph 17: Northern view of whalers (H-beams) being installed on the Parcel 3 marine bulkhead sheeting.



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

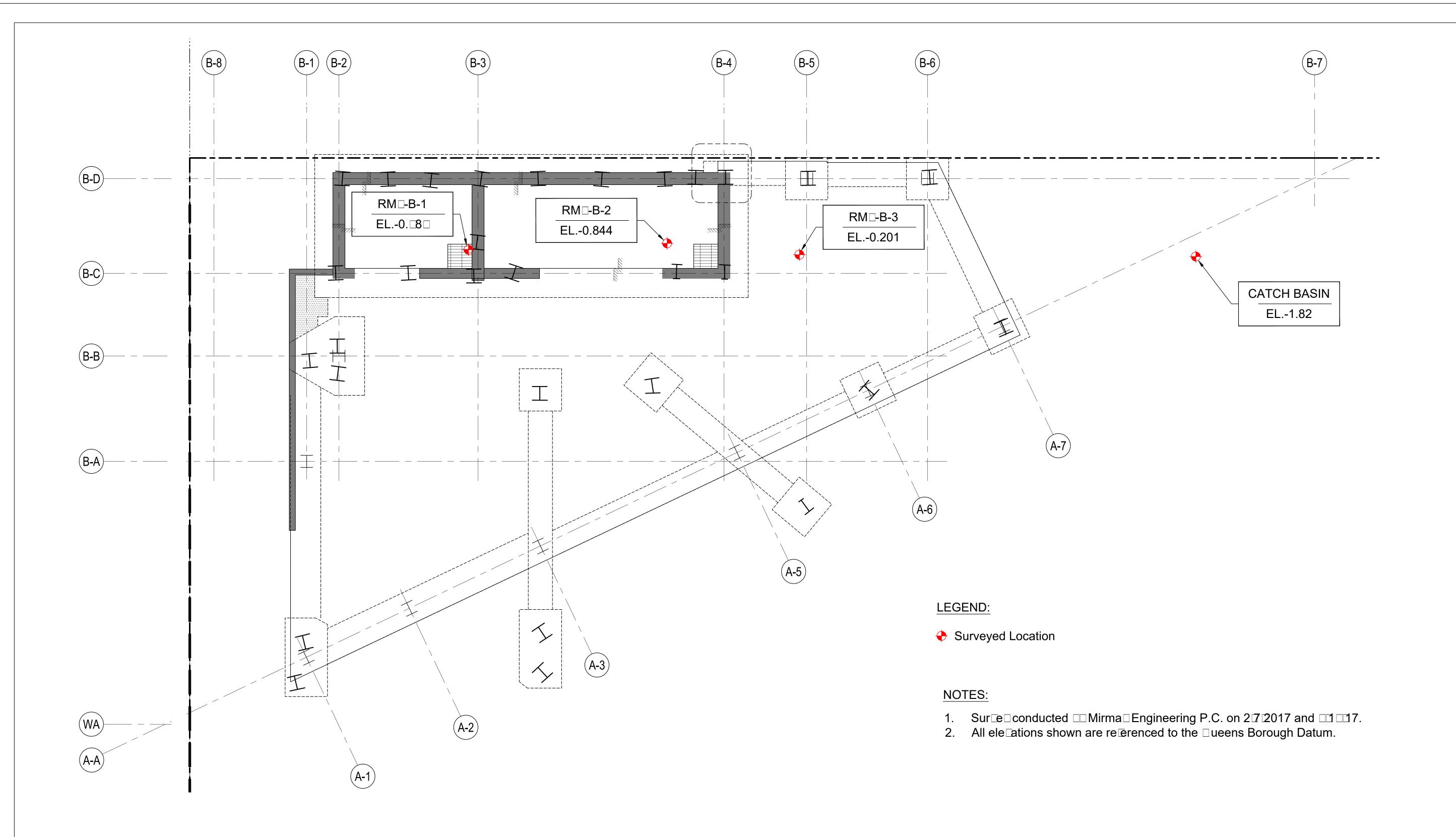


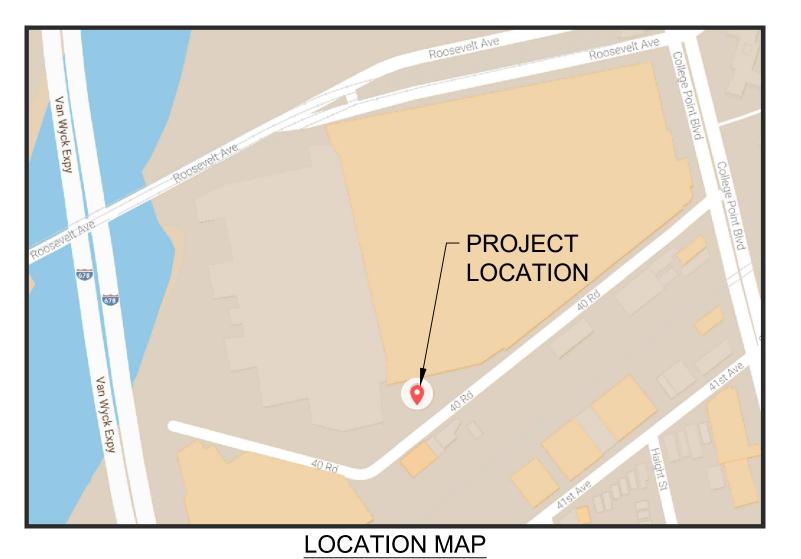
Photograph 18: Tie-back installation in RMZ A soil at the Parcel 3 marine bulkhead sheeting.



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

# APPENDIX C SURVEY OF EXCAVATION AREA





O 4
SCALE IN FEET



	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:



SS-001

01 OF (

# 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

Nelissa 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



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.

Melissa Haas

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

Melissa Haas

## **Table of Contents**

Cover Title Page	1
Report Narrative	4
Executive Summary	8
Method Summary	10
Method / Analyst Summary	12
Sample Summary	13
Sample Results	14
Sample Datasheets	15
Data Qualifiers	33
QC Results	35
Qc Association Summary	36
Surrogate Recovery Report	45
Qc Reports	53
Client Chain of Custody	111
Sample Receipt Checklist	115

## **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] <a href="AffectedAnalytes">AffectedAnalytes</a>. 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**

Lab Sample ID Client Sample ID Analyte	Result	Qualifier	Reporting Limit	Units	Method
460-127729-1 CE-WC-1					
Acetone	5.6	В	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	ŭ	78	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate	110	J	780	ug/Kg	8270D
Carbazole	150	J	780	ug/Kg	8270D
Chrysene	1000	Ü	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	3	780	ug/Kg ug/Kg	8270D
Fluorene	190	J	780	ug/Kg ug/Kg	8270D
Indeno[1,2,3-cd]pyrene	580	J	780 78	ug/Kg ug/Kg	8270D
Naphthalene	140	J	780	ug/Kg ug/Kg	8270D
Phenanthrene	1700	J	780 780	ug/Kg ug/Kg	8270D
Phenol	85	J	780 780	ug/Kg ug/Kg	8270D
Pyrene	1500	J	780	ug/Kg ug/Kg	8270D
C10-C44	1400		100	mg/Kg	8015D
Aroclor 1260	300		79	ug/Kg	8082A
Polychlorinated biphenyls, Total	300		79 79	ug/Kg ug/Kg	8082A
Total EPH (C9-C40)	590		2.3	mg/Kg	NJDEP EPH
Aluminum	4880		23.7		6010C
	5.5		23.7	mg/Kg	6010C
Arsenic	5.5 59.9		2.4	mg/Kg	6010C
Barium				mg/Kg	
Chromium	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**

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
рН		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
TCLP						
Barium		472	J	1000	ug/L	6010C
Lead		24.1	J	50.0	ug/L	6010C
Zinc		331		150	ug/L	6010C

## **METHOD SUMMARY**

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

## **METHOD SUMMARY**

Client: AKRF Inc Job Number: 460-127729-1

Description Lab Location Method Preparation Method

**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**

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 SW846 6010C	Chang, Churn Der Gallagher, Bonnie	CDC BLG
SW846 7470A	Sheikh, Razia B	RBS
SW846 7471B	Staib, Thomas	TJS
SW846 1030	Hu, Youhao	YAH
SW846 7196A SW846 7196A	Kamenetskaya, Raisa Parillo, Jasmine	RAK 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**

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

## **SAMPLE RESULTS**

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 Batch: 460-418049 Analysis Method: 8260C Instrument ID: CVOAMS4 Prep Method: 5035 Prep Batch: D32163.D 460-417672 Lab File ID: Dilution: 1.0 Initial Weight/Volume: 5.39 g Analysis Date: Final Weight/Volume: 02/04/2017 1253 5 mL

Prep Date: 02/02/2017 0708

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane	9	0.41	U	0.41	1.1
1,1,2,2-Tetrachloroet	thane	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	e	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-Trichlorobenze	ne	0.12	U	0.12	1.1
1,2,4-Trichlorobenze	ne	0.35	U	0.35	1.1
1,2-Dibromo-3-Chlore	opropane	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-pentanon	e (MIBK)	2.4	U	2.4	5.5
Acetone	,	5.6	В	1.2	5.5
Acetonitrile		4.4	U	4.4	11
Acrolein		17	U	17	110
Benzene		0.22	Ū	0.22	1.1
Bromoform		0.14	Ū	0.14	1.1
Bromomethane		0.35	Ū	0.35	1.1
Carbon disulfide		0.47	Ū	0.47	1.1
Carbon tetrachloride		0.47	Ū	0.47	1.1
Chlorobenzene		0.15	Ū	0.15	1.1
Chlorobromomethan	e	0.19	Ū	0.19	1.1
Chlorodibromometha		0.16	Ü	0.16	1.1
Chloroethane		0.38	Ü	0.38	1.1
Chloroform		0.23	Ü	0.23	1.1
Chloromethane		0.41	Ü	0.41	1.1
cis-1,2-Dichloroether	ne	0.24	Ü	0.24	1.1
cis-1,3-Dichloroprope		0.16	Ü	0.16	1.1
Cyclohexane	51.10	0.50	Ü	0.50	1.1
Dichlorobromometha	ne	0.41	Ü	0.41	1.1
Dichlorodifluorometh		0.35	Ü	0.35	1.1
Ethylbenzene	and	0.20	Ü	0.20	1.1
Ethylene Dibromide		0.13	Ü	0.13	1.1
Isopropylbenzene		0.19	Ü	0.19	1.1
Methyl acetate		0.19	Ü	0.19	5.5
Methyl tert-butyl ethe	ar.	0.19	Ü	0.19	1.1
Methylcyclohexane	•1	0.19	U	0.19	1.1
Methylene Chloride		1.3	J	0.35	1.1
m-Xylene & p-Xylene		0.12	U	0.35 0.12	1.1
o-Xylene	•	0.12	U	0.12	1.1
0-Aylette		U. 1 <i>1</i>	U	0.17	1.1

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 Batch: 460-418049 Analysis Method: 8260C Instrument ID: CVOAMS4 5035 Prep Method: Prep Batch: 460-417672 Lab File ID: D32163.D Dilution: Initial Weight/Volume: 5.39 g 1.0 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	

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

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)

460-418440 Analysis Method: 8270D Analysis Batch: 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-Tetrachlorobenze	ene	58	U	58	780
2,2'-oxybis[1-chloropropa	ane]	32	U	32	780
2,3,4,6-Tetrachloropheno	ol	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-methylphen	ol	210	U	210	630
4-Bromophenyl phenyl e		24	U	24	780
4-Chloro-3-methylphenol		33	Ū	33	780
4-Chloroaniline		20	Ū	20	780
4-Chlorophenyl phenyl e	ther	23	Ū	23	780
4-Methylphenol		21	Ū	21	780
4-Nitroaniline		29	Ū	29	780
4-Nitrophenol		370	Ū	370	1600
Acenaphthene		150	J	19	780
Acenaphthylene		91	J	20	780
Acetophenone		17	Ū	17	780
Anthracene		440	J	74	780
Atrazine		35	Ū	35	310
Benzaldehyde		59	Ü	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	Ü	34	78
Bis(2-chloroethoxy)meth	ane	24	U	24	780
Bis(2-chloroethyl)ether		18	Ü	18	78
Bis(2-ethylhexyl) phthala	te	110	J	30	780
Butyl benzyl phthalate		24	Ü	24	780
Caprolactam		56	U	56	780
Carbazole		150	J	19	780
Chrysene		1000	J	21	780
Dibenz(a,h)anthracene		140		40	780 78
Dibenz(a,n)anunacene		140		40	10

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	Accept	ance Limits
2,4,6-Tribromophenol (Surr	)	44		10 - 10	3
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 - 10	9
. , , ,					

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

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

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

 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

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

1 mL Analysis Date: 02/03/2017 1609 Run Type: DL Final Weight/Volume:

Injection Volume: Prep Date: 02/02/2017 1249 1 uL

Analyte DryWt Corrected: Y Result (mg/Kg) Qualifier MDL RL C10-C44 1400 13 100

Surrogate %Rec Qualifier Acceptance Limits o-Terphenyl 25 - 132 85

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

 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	

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%RecQualifierAcceptance LimitsDCB Decachlorobiphenyl12750 - 150Tetrachloro-m-xylene12447 - 150

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, To	tal	300		11	79
Surrogate		%Rec	Qualifier	Acceptance Limits	
DCR Decachlorohinhenyl		1/13	35 - 150		

DCB Decachlorobiphenyl 143 35 - 150

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

Client: AKRF Inc Job Number: 460-127729-1

Client Sample ID: CE-WC-1

Lab Sample ID: Date Sampled: 02/01/2017 1100 460-127729-1

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: Final Weight/Volume: 1.0 10 mL Analysis Date: 02/07/2017 1550 Injection Volume: 1 uL

Prep Date: 02/06/2017 2120 Result Type: **PRIMARY** 

Qualifier MDL RL Analyte DryWt Corrected: Y Result (ug/Kg) 2,4-D 9.2 U 9.2 20 Silvex (2,4,5-TP) U 20 13 13 U 2,4,5-T 9.2 9.2 20

Surrogate %Rec Qualifier Acceptance Limits

2,4-Dichlorophenylacetic acid 80 - 141 139

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

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

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

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

331

45.0

150

Zinc

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

Client: AKRF Inc Job Number: 460-127729-1

General Chemistry						
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		
Analyte	Result	Qual Units M	MDL RL	Dil Method		
Cr (VI)	0.46		.46 2.4	1.0 7196A		
- ( )	Analysis Batch: 460-418276	Analysis Date: 02/06/2017 142	25	DryWt Corrected: Y		
	Prep Batch: 460-418195	Prep Date: 02/06/2017 0630		•		
Cr (VI)	0.46	•	.46 2.4	1.0 7196A		
,	Analysis Batch: 460-418449	Analysis Date: 02/07/2017 13	55	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 114	46	DryWt Corrected: Y		
	Prep Batch: 460-417787	Prep Date: 02/02/2017 1601				
Analyte	Result	Qual Units		Dil Method		
рН	9.3	HF SU		1.0 9045D		
	Analysis Batch: 460-417995	Analysis Date: 02/03/2017 143	30	DryWt Corrected: N		
Corrosivity	9.3	HF SU		1.0 9045D		
	Analysis Batch: 460-417995	Analysis Date: 02/03/2017 143	30	DryWt Corrected: N		
Analyte	Result	Qual Units R	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 113	30	DryWt Corrected: N		
Cr (III)	14.7	3 3	.0 2.0	1.0 7196A		
	Analysis Batch: 460-418471	Analysis Date: 02/07/2017 162	20	DryWt Corrected: N		
Cyanide, Reactiv		- 3 3	5.0 25.0	1.0 9014		
	Analysis Batch: 460-418287	•	24	DryWt Corrected: N		
	Prep Batch: 460-418285	Prep Date: 02/06/2017 1100				
Sulfide, Reactive	20.0	3 3	0.0 20.0	1.0 9034		
	Analysis Batch: 460-418286	Analysis Date: 02/06/2017 16	19	DryWt Corrected: N		
	Prep Batch: 460-418283	Prep Date: 02/06/2017 1100				
Free Liquid	0.500	3	.500 0.500			
	Analysis Batch: 460-418281	Analysis Date: 02/06/2017 110		DryWt Corrected: N		
Percent Moisture	15.0		.0 1.0	1.0 Moisture		
D 1 O. 11 1		Analysis Date: 02/02/2017 11		DryWt Corrected: N		
Percent Solids	85.0		.0 1.0	1.0 Moisture		
	Analysis Batch: 460-41//16	Analysis Date: 02/02/2017 11	10	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.
	В	The analyte was found in an associated blank, as well as in the sample.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	Е	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.
	Α	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.
	р	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**

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	2				
LB3 460-417672/1-A	Neutral Leach or MeOH Extraction Blank	Т	Solid	5035	
460-127729-1	CE-WC-1	T	Solid	5035	
Analysis Batch:460-417	<b>7855</b>				
LCS 460-417855/3	Lab Control Sample	Т	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	Т	Solid	8260C	460-417672
Analysis Batch:460-418					
LCS 460-418049/3	Lab Control Sample	Т	Solid	8260C	
LCSD 460-418049/4	Lab Control Sample Duplicate	Т	Solid	8260C	
MB 460-418049/6	Method Blank	T	Solid	8260C	
460-127729-1	CE-WC-1	Т	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:460-418					
LCS 460-418240/2-A	Lab Control Sample	T	Solid	8270D	460-418240
LCS 460-418240/3-A	Lab Control Sample	Т	Solid	8270D	460-418240
MB 460-418240/1-A	Method Blank	T	Solid	8270D	460-418240
Analysis Batch:460-418		<b>-</b>	Calid	00700	400 440040
460-127729-1	CE-WC-1	Т	Solid	8270D	460-418240
Analysis Batch:460-418		_			
460-127688-H-11-E MS	Matrix Spike	T	Solid	8270D	460-418240
460-127688-H-11-F MSD	Matrix Spike Duplicate	Т	Solid	8270D	460-418240

# Report Basis T = Total

#### TestAmerica Edison

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	Т	Solid	5035	
Analysis Batch:460-4179	99				
LCS 460-417999/2	Lab Control Sample	T	Solid	8015D	
LCSD 460-417999/3	Lab Control Sample Duplicate	Т	Solid	8015D	
MB 460-417999/4	Method Blank	Т	Solid	8015D	
460-127729-1	CE-WC-1	Т	Solid	8015D	460-417677

#### Report Basis

T = Total

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	Т	Solid	3546	
MB 460-417745/1-A	Method Blank	Т	Solid	3546	
460-127729-1DL	CE-WC-1	Ť	Solid	3546	
460-127729-1MSDL	Matrix Spike	Т	Solid	3546	
460-127729-1MSDDL	Matrix Spike Duplicate	Ť	Solid	3546	
Prep Batch: 460-417826					
LCS 460-417826/2-A	Lab Control Sample	Т	Solid	3546	
MB 460-417826/1-A	Method Blank	Т	Solid	3546	
460-127507-E-1-D MS	Matrix Spike	T	Solid	3546	
460-127507-E-1-E MSD	Matrix Spike Duplicate	Т	Solid	3546	
460-127729-1	CE-WC-1	Т	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:460-4179					
LCS 460-417745/2-A	Lab Control Sample	Т	Solid	8015D	460-417745
MB 460-417745/1-A	Method Blank	Т	Solid	8015D	460-417745
460-127729-1DL	CE-WC-1	Т	Solid	8015D	460-417745
460-127729-1MSDL	Matrix Spike	Т	Solid	8015D	460-417745
460-127729-1MSDDL	Matrix Spike Duplicate	Т	Solid	8015D	460-417745
Analysis Batch:460-4179					
460-127729-1	CE-WC-1	Т	Solid	8081B	460-417830
Analysis Batch:460-4179		_	0 11 1		400 447000
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	Т	Solid	8082A	460-417826
Analysis Batch:460-4181		<b>-</b>	Calid	0004D	400 447000
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	Т	Solid	8081B	460-417830

Client: AKRF Inc Job Number: 460-127729-1

### **QC Association Summary**

		Report			
Lab Sample ID	Client Sample ID	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	Т	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	Т	Solid	8151A	
460-127892-H-1-A MS	Matrix Spike	Т	Solid	8151A	
460-127892-H-1-B MSD	Matrix Spike Duplicate	Т	Solid	8151A	
Analysis Batch:460-418	431				
LCS 460-418320/2-A	Lab Control Sample	T	Solid	8151A	460-418320
MB 460-418320/1-A	Method Blank	Т	Solid	8151A	460-418320
460-127729-1	CE-WC-1	T	Solid	8151A	460-418320
460-127892-H-1-A MS	Matrix Spike	Т	Solid	8151A	460-418320
460-127892-H-1-B MSD	Matrix Spike Duplicate	Т	Solid	8151A	460-418320
Analysis Batch:460-418	2589				
LCS 460-418217/2-A	Lab Control Sample	T	Solid	NJDEP EPH	460-418217
LCSD 460-418217/3-A	Lab Control Sample Duplicate	Т	Solid	NJDEP EPH	460-418217
MB 460-418217/1-A	Method Blank	Т	Solid	NJDEP EPH	460-418217
460-127703-A-1-A MS	Matrix Spike	Т	Solid	NJDEP EPH	460-418217
460-127703-A-1-B MSD	Matrix Spike Duplicate	Ť	Solid	NJDEP EPH	460-418217
460-127729-1	CE-WC-1	T	Solid	NJDEP EPH	460-418217

# Report Basis T = Total

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	Т	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	Т	Solid	3051A	
460-127785-D-2-C MSD	Matrix Spike Duplicate	T	Solid	3051A	
Analysis Batch:490-4060	988				
LCS 490-405840/2-A	Lab Control Sample	Т	Solid	6010C	490-405840
MB 490-405840/1-A	Method Blank	Т	Solid	6010C	490-405840
460-127729-1	CE-WC-1	Т	Solid	6010C	490-405840
460-127785-D-2-B MS	Matrix Spike	Т	Solid	6010C	490-405840
460-127785-D-2-C MSD	Matrix Spike Duplicate	T	Solid	6010C	490-405840
Prep Batch: 460-417657					
-	^20LCS-Certified Reference Material	Т	Solid	7471B	
MB 460-417657/1-A	Method Blank	Ť	Solid	7471B	
460-127719-D-3-B DU	Duplicate	Ť	Solid	7471B	
460-127719-D-3-C MS	Matrix Spike	Ť	Solid	7471B 7471B	
460-127729-1	CE-WC-1	Ť	Solid	7471B	
Analysis Batch:460-4177	711				
	^20LCS-Certified Reference Material	Т	Solid	7471B	460-417657
MB 460-417657/1-A	Method Blank	T T	Solid	7471B 7471B	460-417657
460-127719-D-3-B DU		T T	Solid	7471B 7471B	460-417657
460-127719-D-3-B DO 460-127719-D-3-C MS	Duplicate Matrix Spike	T T	Solid	7471B 7471B	460-417657
460-127719-D-3-C WS	CE-WC-1	Ť	Solid	7471B 7471B	460-417657
400-127729-1	GE-WG-1	'	Solid	/4/ ID	400-417037
Prep Batch: 460-417769	TOLD ODLDE! D	_	0.11.1	1011	
LB 460-417769/1-C	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 460-417769/1-F ^5	TCLP SPLPE Leachate Blank	Р	Solid	1311	
460-127673-B-1-I DU	Duplicate	Р	Solid	1311	
460-127673-B-1-J MS	Matrix Spike	Р	Solid	1311	
460-127729-1	CE-WC-1	Р	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	Р	Solid	7470A	460-417769
460-127673-B-1-I DU	Duplicate	Р	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
· · · · · · · · · · · · · · · · · · ·	• .	-			

Client: AKRF Inc Job Number: 460-127729-1

#### **QC Association Summary**

		Report			
Lab Sample ID	Client Sample ID	Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-41797					
LB 460-417972/1-D ^5	TCLP SPLPE Leachate Blank	Р	Solid	1311	
460-127756-C-8-H DU	Duplicate	Р	Solid	1311	
460-127756-C-8-I MS	Matrix Spike	Р	Solid	1311	
Analysis Batch:460-418	3011				
LB 460-417769/1-C	TCLP SPLPE Leachate Blank	Р	Solid	7470A	460-417943
LCS 460-417943/2-A	Lab Control Sample	T	Water	7470A	460-417943
MB 460-417943/1-A	Method Blank	Т	Water	7470A	460-417943
460-127673-B-1-I DU	Duplicate	Р	Solid	7470A	460-417943
460-127673-B-1-J MS	Matrix Spike	Р	Solid	7470A	460-417943
460-127729-1	CE-WC-1	Р	Solid	7470A	460-417943
Prep Batch: 460-41811	В				
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	Р	Solid	3010A	460-417769
LB 460-417972/1-D ^5	TCLP SPLPE Leachate Blank	Р	Solid	3010A	460-417972
460-127729-1	CE-WC-1	Р	Solid	3010A	460-417769
460-127756-C-8-H DU	Duplicate	Р	Solid	3010A	460-417972
460-127756-C-8-I MS	Matrix Spike	Р	Solid	3010A	460-417972
Analysis Batch:460-418	3133				
LB 460-417769/1-F ^5	TCLP SPLPE Leachate Blank	Р	Solid	6010C	460-418118
LB 460-417972/1-D ^5	TCLP SPLPE Leachate Blank	Р	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	Р	Solid	6010C	460-418118
460-127756-C-8-H DU	Duplicate	Р	Solid	6010C	460-418118
460-127756-C-8-I MS	Matrix Spike	Р	Solid	6010C	460-418118

# Report Basis P = TCLP

T = Total

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:460-41771	16				
460-127677-B-1 DU	Duplicate	Т	Solid	Moisture	
460-127729-1	CE-WC-1	Т	Solid	Moisture	
Prep Batch: 460-417787					
HLCS 460-417787/3-A	High Level Control Sample	Т	Solid	9012B	
LCSSRM 460-417787/4-A ^	10LCS-Certified Reference Material	Т	Solid	9012B	
LLCS 460-417787/2-A	Low Level Control Sample	T	Solid	9012B	
MB 460-417787/1-A	Method Blank	Т	Solid	9012B	
460-127507-E-1-B MS	Matrix Spike	Т	Solid	9012B	
460-127507-E-1-C MSD	Matrix Spike Duplicate	Т	Solid	9012B	
460-127729-1	CE-WC-1	Т	Solid	9012B	
Analysis Batch:460-41799	95				
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	Т	Solid	9045D	
460-127729-1	CE-WC-1	Т	Solid	9045D	
Analysis Batch:460-41801	14				
HLCS 460-417787/3-A	High Level Control Sample	T	Solid	9012B	460-417787
LCSSRM 460-417787/4-A ^	10LCS-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	Т	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	Т	Solid	9012B	460-417787
Analysis Batch:460-41801					
460-127380-C-1 DU	Duplicate	Т	Solid	1030	
460-127729-1	CE-WC-1	Т	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	Т	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	

Client: AKRF Inc Job Number: 460-127729-1

### **QC Association Summary**

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
-	onent dample ib		Onent Matrix	Metrica	1 Top Baten
General Chemistry					
Analysis Batch:460-4182		_	Calid	7196A	400 440405
LCSI 460-418195/3-A	Lab Control Sample Insoluble LCS-Certified Reference Material	T T	Solid		460-418195
LCSSRM 460-418195/2-A			Solid	7196A	460-418195
MB 460-418195/1-A	Method Blank	T T	Solid	7196A	460-418195
460-127729-1	CE-WC-1		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	Т	Solid	7196A	460-418195
Analysis Batch:460-4182	81				
460-127663-C-1 DU	Duplicate	Т	Solid	9095B	
460-127729-1	CE-WC-1	Т	Solid	9095B	
Prep Batch: 460-418283					
LCSSRM 460-418283/3-A	LCS-Certified Reference Material	Т	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	Ť	Solid	7.3.4	
460-127729-1	CE-WC-1	Ť	Solid	7.3.4 7.3.4	
400-127729-1	CE-VVC-1	ı	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	Т	Solid	7.3.3	
Analysis Batch:460-4182	86				
LCSSRM 460-418283/3-A	LCS-Certified Reference Material	Т	Solid	9034	460-418283
MB 460-418283/1-A	Method Blank	Ť	Solid	9034	460-418283
180-63078-I-1-B MS	Matrix Spike	Ť	Solid	9034	460-418283
180-63078-I-1-C MSD	Matrix Spike Duplicate	, T	Solid	9034	460-418283
460-127729-1	CE-WC-1	Ť	Solid	9034	460-418283
100 121120 1		•	Cond	3001	100 +10200
Analysis Batch:460-4182		_			
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

Client: AKRF Inc Job Number: 460-127729-1

### **QC Association Summary**

		Report			
Lab Sample ID C	Client Sample ID	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	Т	Solid	3060A	
460-127753-A-1-G MSS	Matrix Spike Soluble	Т	Solid	3060A	
Analysis Batch:460-41844	9				
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	Т	Solid	7196A	460-418402
460-127753-A-1-F DU	Duplicate	Т	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	Т	Solid	7196A	460-418402
Analysis Batch:460-41847	1				
460-127729-1	CE-WC-1	Т	Solid	7196A	

# Report Basis T = Total

Client: AKRF Inc Job Number: 460-127729-1

#### **Surrogate Recovery Report**

#### 8260C Volatile Organic Compounds by GC/MS

**Client Matrix: Solid** 

		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	%Rec	%Rec	%Rec	%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

Client: AKRF Inc Job Number: 460-127729-1

#### **Surrogate Recovery Report**

#### 8270D Semivolatile Organic Compounds (GC/MS)

**Client Matrix: Solid** 

		TBP	FBP	2FP	NBZ	PHL	TPHL	
Lab Sample ID	Client Sample ID	%Rec	%Rec	%Rec	%Rec	%Rec	%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

Client: AKRF Inc Job Number: 460-127729-1

#### **Surrogate Recovery Report**

#### 8015D Gasoline Range Organics (GRO) (GC)

Client Matrix: Solid

		TFT1
Lab Sample ID	Client Sample ID	%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 80-135

TFT = a,a,a-Trifluorotoluene

TestAmerica Edison

Client: AKRF Inc Job Number: 460-127729-1

#### **Surrogate Recovery Report**

#### 8015D Diesel Range Organics (DRO) (GC)

Client Matrix: Solid

		OTPH
Lab Sample ID	Client Sample ID	%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	Acceptance Limits
OTPH = o-Terphenyl	25-132

Client: AKRF Inc Job Number: 460-127729-1

### **Surrogate Recovery Report**

#### 8081B Organochlorine Pesticides (GC)

**Client Matrix: Solid** 

		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	%Rec	%Rec	%Rec	%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

Client: AKRF Inc Job Number: 460-127729-1

#### **Surrogate Recovery Report**

#### 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Client Matrix: Solid** 

		DCBP1	DCBP2
Lab Sample ID	Client Sample ID	%Rec	%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 35-150

DCBP = DCB Decachlorobiphenyl

Client: AKRF Inc Job Number: 460-127729-1

#### **Surrogate Recovery Report**

#### 8151A Herbicides (GC)

**Client Matrix: Solid** 

		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	%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 MS		116	126
460-127892-H-1-B MSD		114	124

Acceptance Limits Surrogate 80-141

DCPAA = 2,4-Dichlorophenylacetic acid

Client: AKRF Inc Job Number: 460-127729-1

#### **Surrogate Recovery Report**

#### NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

**Client Matrix: Solid** 

		OTPH1	1COD1
Lab Sample ID	Client Sample ID	%Rec	%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 MS		80	84
460-127703-A-1-B MSD		79	82

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

CVOAMS9

Instrument ID:

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
Client Matrix: Solid Prep Batch: 460-417672

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
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	Ü	16	100
Benzene	0.20	U	0.20	1.0
Bromoform	0.13	Ū	0.13	1.0
Bromomethane	0.32	U	0.32	1.0
Carbon disulfide	0.43	Ü	0.43	1.0
Carbon tetrachloride	0.43	Ū	0.43	1.0
Chlorobenzene	0.14	Ū	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	Ū	0.17	1.0
Methyl acetate	0.90	Ū	0.90	5.0
Methyl tert-butyl ether	0.17	Ū	0.17	1.0
Methylcyclohexane	0.50	Ū	0.50	1.0
Methylene Chloride	0.32	Ü	0.32	1.0
m-Xylene & p-Xylene	0.11	Ū	0.11	1.0
- · · · · ·				

Client: AKRF Inc Job Number: 460-127729-1

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

Method: 8260C Preparation: 5035

Lab Sample ID: Client Matrix: Dilution:

Analysis Date:

Prep Date:

LB3 460-417672/1-A Solid

1.0

02/03/2017 0320 02/02/2017 0708 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

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

RT Cas Number Est. Result (ug/ Analyte Qual

Tentatively Identified Compound

None

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

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 Final Weight/Volume: 5 mL Analysis Date: 02/03/2017 0254 Units: ug/Kg

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	Ü	0.39	1.0	
trans-1,3-Dichloropropene	0.10	U	0.10	1.0	
Trichloroethene	0.26	Ü	0.26	1.0	
Trichlorofluoromethane	0.34	Ü	0.34	1.0	
Vinyl chloride	0.39	Ü	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 RT Est. Result (ug. Qual

Tentatively Identified Compound

None

Client: AKRF Inc Job Number: 460-127729-1

Lab Control Sample/ Method: 8260C
Lab Control Sample Duplicate Recovery Report - Batch: 460-417855 Preparation: N/A

LCS Lab Sample ID: LCS 460-417855/3 Analysis Batch: Instrument ID: CVOAMS9 460-417855 Client Matrix: Solid Prep Batch: N/A Lab File ID: K63730.D Dilution: 1.0 Leach Batch: N/A Initial Weight/Volume: 5 mL Final Weight/Volume: 02/03/2017 0101 Analysis Date: Units: ug/Kg 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: Prep Batch: Lab File ID: Solid N/A K63731.D Dilution: Leach Batch: N/A Initial Weight/Volume: 1.0 5 mL Analysis Date: 02/03/2017 0127 Units: ug/Kg Final Weight/Volume: 5 mL

Prep Date: N/A U127 Units: ug/kg Final Weight/Volume: 5 mL 5 mL

Leach Date: N/A

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
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		

Client: AKRF Inc Job Number: 460-127729-1

Lab Control Sample/ Method: 8260C
Lab Control Sample Duplicate Recovery Report - Batch: 460-417855 Preparation: N/A

LCS Lab Sample Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	ID: LCS 460-417855/3 Solid 1.0 02/03/2017 0101 N/A N/A	Prep	rsis Batch: Batch: n Batch:	460-417855 N/A N/A ug/Kg			CVOAMS9 K63730.D 5 mL 5 mL 5 mL	)
LCSD Lab Sampl Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	e ID: LCSD 460-417855/4 Solid 1.0 02/03/2017 0127 N/A N/A	Prep	rsis Batch: Batch: n Batch:	460-417855 N/A N/A ug/Kg			CVOAMS9 K63731.D 5 mL 5 mL 5 mL	)
		c	% Rec.					
Analyte		LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorobromome	ethane	95	91	76 - 129	4	30		
Dichlorodifluorom	ethane	92	98	72 - 127	6	30		
Ethylbenzene		104	101	79 - 124	3	30		
Ethylene Dibromi	de	98	98	80 - 122	0	30		
Isopropylbenzene	)	108	105	80 - 125	3	30		
Methyl acetate		97	99	73 - 123	2	30		
Methyl tert-butyl e	ether	90	88	80 - 120	2	30		
Methylcyclohexar	ne	97	95	71 - 137	2	30		
Methylene Chloric	de	90	88	79 - 128	2	30		
m-Xylene & p-Xyl	ene	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	е	101	100	73 - 130	2	30		
Toluene		104	102	75 - 122	2	30		
trans-1,2-Dichloro		95	92	80 - 129	4	30		
trans-1,3-Dichloro	ppropene	104	101	72 - 121	3	30		
Trichloroethene		95	93	79 - 122	2	30		
Trichlorofluorome	thane	99	102	68 - 136	3	30		
Vinyl chloride		101	103	70 - 134	2	30		
Surrogate		L	.CS % Rec	LCSD %	Rec	Accep	tance Limits	i
1,2-Dichloroethar			8	100			8 - 135	
4-Bromofluorober			02	104			7 - 126	
Dibromofluorome	thane (Surr)	9	96	98		6	1 - 149	

109

73 - 121

105

Toluene-d8 (Surr)

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

02/04/2017 0732

Prep Date: N/A Leach Date: N/A

Analysis Date:

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

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 Final Weight/Volume: 5 mL 02/04/2017 0732 Units: Analysis Date: ug/Kg

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 RT Est. Result (ug. Qual

Tentatively Identified Compound

None

Client: AKRF Inc Job Number: 460-127729-1

Lab Control Sample/ Method: 8260C
Lab Control Sample Duplicate Recovery Report - Batch: 460-418049 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 Final Weight/Volume: 02/04/2017 0608 Units: Analysis Date: ug/Kg 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: Prep Batch: N/A Lab File ID: D32148.D Solid Dilution: Leach Batch: N/A Initial Weight/Volume: 1.0 5 mL

Analysis Date: 02/04/2017 0633 Units: ug/Kg Final Weight/Volume: 5 mL

Prep Date: N/A Final Weight/Volume: 5 mL

5 mL

Leach Date: N/A

	%	Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
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		

73 - 121

Client: AKRF Inc Job Number: 460-127729-1

Lab Control Sample/ Method: 8260C
Lab Control Sample Duplicate Recovery Report - Batch: 460-418049 Preparation: N/A

LCS Lab Sample Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	ID: LCS 460-418049/3 Solid 1.0 02/04/2017 0608 N/A N/A	Prep	rsis Batch: Batch: n Batch:	460-418049 N/A N/A ug/Kg			CVOAMS4 D32147.D 5 mL 5 mL 5 mL	
LCSD Lab Sample Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	e ID: LCSD 460-418049/4 Solid 1.0 02/04/2017 0633 N/A N/A	Prep	rsis Batch: Batch: n Batch:	460-418049 N/A N/A ug/Kg			CVOAMS4 D32148.D 5 mL 5 mL 5 mL	
		o	% Rec.					
Analyte		LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorobromome	thane	101	108	76 - 129	7	30		
Dichlorodifluorome	ethane	105	104	72 - 127	1	30		
Ethylbenzene		105	109	79 - 124	4	30		
Ethylene Dibromic	de	101	108	80 - 122	6	30		
Isopropylbenzene		102	109	80 - 125	7	30		
Methyl acetate		97	107	73 - 123	10	30		
Methyl tert-butyl e	ther	103	111	80 - 120	7	30		
Methylcyclohexan	e	106	113	71 - 137	6	30		
Methylene Chlorid	le	103	108	79 - 128	5	30		
m-Xylene & p-Xyle	ene	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	<del>)</del>	105	111	73 - 130	6	30		
Toluene		100	103	75 - 122	4	30		
trans-1,2-Dichloro		106	114	80 - 129	7	30		
trans-1,3-Dichloro	propene	95	103	72 - 121	8	30		
Trichloroethene		106	113	79 - 122	6	30		
Trichlorofluoromet	thane	110	110	68 - 136	0	30		
Vinyl chloride		99	98	70 - 134	1	30		
Surrogate			.CS % Rec	LCSD %	Rec		tance Limits	
1,2-Dichloroethan			7	100			8 - 135	
4-Bromofluorober			00	106			7 - 126	
Dibromofluoromet	thane (Surr)	1	05	108		6	1 - 149	

99

98

Toluene-d8 (Surr)

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

Client Matrix: Solid Dilution: 1.0

Analysis Date: 02/07/2017 1220 Prep Date: 02/06/2017 1207

Leach Date: N/A

Analysis Batch: 460-418328 Prep Batch: 460-418240

Leach Batch: N/A Units: ug/Kg Instrument ID: CBNAMS5
Lab File ID: x225539.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

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 Client Matrix: Solid Dilution: 1.0 Analysis Date:

02/07/2017 1220 02/06/2017 1207

Prep Date: Leach Date: N/A Analysis Batch: 460-418328 Prep Batch: 460-418240 Leach Batch: N/A

Units: ug/Kg Instrument ID: CBNAMS5 Lab File ID: x225539.D Initial Weight/Volume: 15.0000 g Final Weight/Volume: 1 mL Injection Volume: 1 uL

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 9.6 330 330 Di-n-butyl phthalate 9.9 U 9.9 Di-n-octyl phthalate 330 17 U 17 330 Fluoranthene 9.8 U 9.8 Fluorene 7.2 U 7.2 330 Hexachlorobenzene U 33 13 13 67 Hexachlorobutadiene 9.3 U 9.3 U 330 Hexachlorocyclopentadiene 21 21 Hexachloroethane U 12 33 12 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 330 30 U 30 Pentachlorophenol 40 U 40 270 Phenanthrene 330 8.8 U 8.8 330 Phenol U 11 11 U 330 Pyrene 15 15

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	JA
	Aldol condensation product	2.38	284	JA

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

Client Matrix: Solid Dilution: 1.0

Analysis Date: 02/07/2017 0334 Prep Date: 02/06/2017 1207

Leach Date: N/A

Analysis Batch: 460-418328 Prep Batch: 460-418240

Leach Batch: N/A Units: ug/Kg Instrument ID: CBNAMS5
Lab File ID: x225516.D
Initial Weight/Volume: 1 mL

Final Weight/Volume: 1 mL

Final Weight/Volume: 1 mL
Injection Volume: 1 uL

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	
,6-Dinitro-2-methylphenol	6670	5000	75	67 - 120	
I-Bromophenyl phenyl ether	3330	2680	80	59 - 122	
I-Chloro-3-methylphenol	3330	3000	90	62 - 111	
I-Chloroaniline	3330	915	27	18 - 94	
1-Chlorophenyl phenyl ether	3330	2870	86	66 - 110	
I-Methylphenol	3330	2460	74	61 - 105	
I-Nitroaniline	3330	2370	71	49 - 118	
I-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	

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

Client Matrix: Solid Dilution: 1.0

Analysis Date: 02/07/2017 0334 Prep Date: 02/06/2017 1207

Analysis Batch: 460-418328 Prep Batch: 460-418240

Leach Batch: N/A Units: ug/Kg Instrument ID: CBNAMS5 Lab File ID: x225516.D Initial Weight/Volume: 15.0000 g Final Weight/Volume: 1 mL

Injection Volume: 1 uL Leach Date: N/A Analyte Spike Amount Result % Rec. Limit Qual Chrysene 3330 88 70 - 111 2940 97 Dibenz(a,h)anthracene 3330 3230 60 - 130 Dibenzofuran 3330 2940 88 67 - 107 Diethyl phthalate 3330 3070 92 66 - 117 3330 2940 88 68 - 112

Dimethyl phthalate 85 Di-n-butyl phthalate 3330 2850 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 2340 70 50 - 129 3330 Hexachloroethane 3330 2460 74 63 - 99 99 Indeno[1,2,3-cd]pyrene 3330 3280 53 - 137 Isophorone 3330 2760 83 68 - 111

Naphthalene 65 - 102 3330 2560 77 79 Nitrobenzene 3330 2630 66 - 108 N-Nitrosodimethylamine 3330 2530 76 58 - 103 N-Nitrosodi-n-propylamine 2940 88 63 - 117 3330 N-Nitrosodiphenylamine 2610 78 3330 65 - 114 75 Pentachlorophenol 6670 4980 56 - 116

Phenanthrene 3330 2660 80 68 - 111 79 Phenol 3330 2630 58 - 103 Pyrene 3330 3020 91 64 - 121 % Rec Surrogate 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	

Client: AKRF Inc Job Number: 460-127729-1

Lab Control Sample - Batch: 460-418240

Method: 8270D Preparation: 3546

Lab Sample ID: Client Matrix: Dilution: Analysis Date:

Prep Date:

LCS 460-418240/3-A 1.0

02/07/2017 0357 02/06/2017 1207 Analysis Batch: 460-418328 Prep Batch: 460-418240 Leach Batch: N/A

Units:

ug/Kg

Instrument ID: CBNAMS5 Lab File ID: x225517.D Initial Weight/Volume: 15.0000 g Final Weight/Volume: 1 mL 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	Е
Surrogate	% Re	ec	Aco	ceptance 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	

Client: AKRF Inc Job Number: 460-127729-1

Matrix Spike/ Method: 8270D
Matrix Spike Duplicate Recovery Report - Batch: 460-418240 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

MSD Lab Sample ID: 460-127688-H-11-F MSD Analysis Batch:

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 Instrument ID:

460-418529

460-418240

N/A

Prep Batch: 460-418240

Leach Batch: N/A

Prep Batch:

Leach Batch:

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

Instrument ID: CBNAMS11 Lab File ID: z4321701.D Initial Weight/Volume: 15.0428 g

Final Weight/Volume: 1 mL Injection Volume: 1 uL

% Rec.								
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual	
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			

Client: AKRF Inc Job Number: 460-127729-1

Matrix Spike/ Method: 8270D Matrix Spike Duplicate Recovery Report - Batch: 460-418240 Preparation: 3546

Prep Batch:

Leach Batch:

MS Lab Sample ID: 460-127688-H-11-E MS

Client Matrix:

Dilution: 1.0

Analysis Date: 02/08/2017 1502 Prep Date: 02/06/2017 1207

Leach Date: N/A

MSD Lab Sample ID: 460-127688-H-11-F MSD Analysis Batch:

Client Matrix: Solid Dilution: 1.0

Analysis Date: 02/08/2017 1526 Prep Date: 02/06/2017 1207

Leach Date: N/A

Instrument ID: Analysis Batch: 460-418529 CBNAMS11 Prep Batch: 460-418240 Lab File ID: z4321700.D Leach Batch: N/A Initial Weight/Volume: 15.0221 g

460-418529

460-418240

N/A

Final Weight/Volume: 1 mL Injection Volume: 1 uL

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

Injection Volume: 1 uL

	<u>% R</u>	lec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
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		

24 - 109

Client: AKRF Inc Job Number: 460-127729-1

Matrix Spike/ Method: 8270D
Matrix Spike Duplicate Recovery Report - Batch: 460-418240 Preparation: 3546

MS Lab Sample ID: 460-127688-H-11-E MS Analysis Batch: 460-418529 Instrument ID: CBNAMS11 Client Matrix: Prep Batch: 460-418240 Lab File ID: z4321700.D Dilution: 1.0 Leach Batch: N/A Initial Weight/Volume: 15.0221 g

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:

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

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

69

65

Terphenyl-d14 (Surr)

Client: AKRF Inc Job Number: 460-127729-1

Method Blank - Batch: 460-417999

Method: 8015D Preparation: N/A

Lab Sample ID: Client Matrix: Dilution:

Analysis Date:

Prep Date:

Leach Date:

Solid 50

MB 460-417999/4 02/03/2017 1805 Units:

Analysis Batch: 460-417999 Prep Batch: N/A Leach Batch: N/A ug/Kg

Instrument ID: Lab File ID: Initial Weight/Volume:

CVOAGC1 VF104746.D 5 mL

Final Weight/Volume: 10 mL Injection Volume: 5 mL Column ID: **PRIMARY** 

Analyte

N/A

N/A

LCS Lab Sample ID: LCS 460-417999/2

50

LCSD Lab Sample ID: LCSD 460-417999/3

Solid

50

Solid

02/03/2017 1716

Result 2500

Qual U

RL 2500 RL

2500

GRO

Surrogate

% Rec

Acceptance Limits

a,a,a-Trifluorotoluene

92

80 - 135

Method: 8015D

Injection Volume:

Column ID:

Preparation: N/A

Lab Control Sample/

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

460-417999 N/A N/A

ug/Kg

Instrument ID: Lab File ID: Initial Weight/Volume:

VF104744.D 5 mL Final Weight/Volume: 10 mL

Prep Date: N/A Leach Date: N/A

Client Matrix:

Analysis Date:

Client Matrix:

Dilution:

Dilution:

Analysis Batch: 460-417999 Prep Batch: N/A

Instrument ID: Lab File ID: Initial Weight/Volume:

CVOAGC1 VF104745.D

**PRIMARY** 

5 mL

5 mL

CVOAGC1

Analysis Date: 02/03/2017 1740 Prep Date:

N/A Leach Date: N/A Leach Batch: N/A Units: ug/Kg

Final Weight/Volume: 10 mL Injection Volume: 5 mL Column ID: **PRIMARY** 

% Rec.

Analysis Batch:

Prep Batch:

Units:

Leach Batch:

Analyte LCS

LCSD Limit **RPD** 

RPD Limit LCS Qual LCSD Qual

GRO 92 91 80 - 120 2 30 LCS % Rec LCSD % Rec Surrogate

a,a,a-Trifluorotoluene

91

92

Acceptance Limits 80 - 135

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

Client Matrix: Solid Dilution: 1.0

Analysis Date: 02/03/2017 1107 Prep Date: 02/02/2017 1249

Leach Date: N/A

460-417928 Analysis Batch: Prep Batch: 460-417745

Leach Batch: N/A Units:

mg/Kg

Instrument ID: CBNAGC3 Lab File ID: 3F007002.D Initial Weight/Volume: 15.0000 g

Final Weight/Volume: 1 mL Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
#2 Diesel Fuel C10-C44	1.1 1.1	U U	1.1 1.1	6.7 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 Client Matrix: Solid Dilution: 1.0

02/03/2017 1119 Analysis Date: Prep Date: 02/02/2017 1249

Leach Date: N/A Analysis Batch: 460-417928 Prep Batch: 460-417745 Leach Batch: N/A

Units: mg/Kg Instrument ID: CBNAGC3 Lab File ID: 3F007003.D Initial Weight/Volume: 15.0000 g

Final Weight/Volume: 1 mL Injection Volume: 1 uL

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

Client: AKRF Inc Job Number: 460-127729-1

Matrix Spike/ Method: 8015D Matrix Spike Duplicate Recovery Report - Batch: 460-417745 Preparation: 3546

Instrument ID: MS Lab Sample ID: 460-127729-1DL Analysis Batch: 460-417928 CBNAGC3 Client Matrix: Solid Prep Batch: 460-417745 Lab File ID: 3F007028.D Dilution: 10 Leach Batch: N/A Initial Weight/Volume: 15.0275 g Run Type: Final Weight/Volume: Analysis Date: 02/03/2017 1621 DL 1 mL Prep Date: 02/02/2017 1249 Injection Volume: 1 uL Leach Date: N/A MSD Lab Sample ID: 460-127729-1DL Analysis Batch: 460-417928 Instrument ID: CBNAGC3 Client Matrix: 460-417745 Lab File ID: Solid Prep Batch: 3F007029.D Dilution: Leach Batch: N/A Initial Weight/Volume: 10 15.0263 g Analysis Date: 02/03/2017 1633 Run Type: DL Final Weight/Volume: 1 mL Injection Volume: Prep Date: 02/02/2017 1249 1 uL Leach Date: N/A % Rec. Analyte MS MSD Limit **RPD RPD Limit** MSD Qual MS Qual #2 Diesel Fuel 42 49 67 - 126 30 Surrogate MS % Rec MSD % Rec Acceptance Limits o-Terphenyl 101 109 25 - 132

Client: AKRF Inc Job Number: 460-127729-1

Method Blank - Batch: 460-417830

Method: 8081B Preparation: 3546

50 - 150

47 - 150

Lab Sample ID: Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	MB 460-417830/1-A Solid 1.0 02/06/2017 1058 02/02/2017 2158 N/A	Analysis Batch: Prep Batch: Leach Batch: Units:	460-418193 460-417830 N/A ug/Kg	Lab Initia Fina Injed	rument ID: File ID: al Weight/Volume: al Weight/Volume: ction Volume: umn ID:	CPESTGC4 P4201426.D 15.0000 g 10 mL 1 uL PRIMARY
Analyte		Resi	ult	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 (techni	ical)	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	e	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 (Lin-	dane)	0.60		U	0.60	2.0
Heptachlor		0.86		U	0.86	6.7
Heptachlor epoxic	de	1.3		U	1.3	6.7
Methoxychlor		1.4		U	1.4	6.7
gamma-Chlordan	e	1.5		U	1.5	6.7
Toxaphene		20		U	20	67
alpha-Chlordane		1.1		U	1.1	6.7
Surrogate		%	Rec		Acceptance Lin	nits
DCB Decachlorob	piphenyl	1	19		50 - 150	
Tetrachloro-m-xyl		1:	27		47 - 150	
Surrogate		%	Rec		Acceptance Lin	nits

111

122

DCB Decachlorobiphenyl

Tetrachloro-m-xylene

Client: AKRF Inc Job Number: 460-127729-1

### Lab Control Sample - Batch: 460-417830

N/A

Leach Date:

Method: 8081B Preparation: 3546

Lab Sample ID:	LCS 460-417830/2-A	Analysis Batch:	460-418193	Ins
Client Matrix:	Solid	Prep Batch:	460-417830	La
Dilution:	1.0	Leach Batch:	N/A	Ini
Analysis Date:	02/06/2017 1112	Units:	ug/Kg	Fir
Prep Date:	02/02/2017 2158			Inj

Instrument ID: CPESTGC4
Lab File ID: P4201427.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
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	% R	ec	Acc		
DCB Decachlorobiphenyl	133	3		50 - 150	
Tetrachloro-m-xylene	144	4		47 - 150	

Lab Control Sample - Batch: 460-417830 Method: 8081B Preparation: 3546

Lab Sample ID: LCS 460-417830/2-A Analysis Batch: 460-418193 Client Matrix: Solid Prep Batch: 460-417830 Dilution: 1.0 Leach Batch: N/A Analysis Date: 02/06/2017 1112 Units: ug/Kg Prep Date: 02/02/2017 2158

Instrument ID: CPESTGC4
Lab File ID: P4201427.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: SECONDARY

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	

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 Client Matrix: Dilution: 1.0 Analysis Date: 02/06/2017 1112 Prep Date:

N/A

Leach Date:

02/02/2017 2158

Analysis Batch: 460-418193 Prep Batch: 460-417830 Leach Batch: N/A Units: ug/Kg

Instrument ID: CPESTGC4 Lab File ID: P4201427.D Initial Weight/Volume: 15.0000 g Final Weight/Volume: 10 mL Injection Volume: 1 uL

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	% R	ec	Acc	ceptance Limits	
DCB Decachlorobiphenyl	120	)		50 - 150	
Tetrachloro-m-xylene	134	134 47 - 150			

Client: AKRF Inc Job Number: 460-127729-1

Matrix Spike/ Method: 8081B Matrix Spike Duplicate Recovery Report - Batch: 460-417830 Preparation: 3546

MS Lab Sample ID Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	D: 460-127507-E-1-G MS Solid 1.0 02/06/2017 1124 02/02/2017 2158 N/A	Prep	ysis Batch: Batch: h Batch:	460-418193 460-417830 N/A	Final We	ID: eight/Volume: eight/Volume: Volume:	CPESTGO P4201428 15.0106 10 mL 1 uL PRIMARY	.D g
MSD Lab Sample Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	ID: 460-127507-E-1-H MSI Solid 1.0 02/06/2017 1138 02/02/2017 2158 N/A	Prep	ysis Batch: Batch: h Batch:	460-418193 460-417830 N/A	Final We	ID: eight/Volume: eight/Volume: Volume:	CPESTGO P4201429 15.0110 10 mL 1 uL PRIMARY	.D g
		<u>% F</u>	Rec.					
Analyte		MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
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 (Lind	dane)	100	106	67 - 126	194	30		*
Heptachlor		105	105	63 - 125	194	30		*
Heptachlor epoxid	e	107	106	64 - 125	194	30		*
Methoxychlor		105	95	56 - 123	194	30		*
gamma-Chlordane	Э	108	106	64 - 127	194	30		*
alpha-Chlordane		105	106	65 - 127	194	30		*
Surrogate			MS % Red	MSD %	% Rec	Acce	eptance Lim	its
DCB Decachlorob	iphenyl		2	* p 122		5	0 - 150	
Tetrachloro-m-xyle	ene		2	* p 135		4	7 - 150	

Client: AKRF Inc Job Number: 460-127729-1

Matrix Spike/ Method: 8081B
Matrix Spike Duplicate Recovery Report - Batch: 460-417830 Preparation: 3546

MS Lab Sample II Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	D: 460-127507-E-1-G MS Solid 1.0 02/06/2017 1124 02/02/2017 2158 N/A	Pre	alysis Batch: p Batch: ach Batch:	460-418193 460-417830 N/A	Final We	ID: eight/Volume: eight/Volume: Volume:	CPESTGO P4201428 15.0106 ( 10 mL 1 uL SECONDA	.D 9
MSD Lab Sample Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	ID: 460-127507-E-1-H MS Solid 1.0 02/06/2017 1138 02/02/2017 2158 N/A	Pre	alysis Batch: p Batch: ach Batch:	460-418193 460-417830 N/A	Final We	ID: eight/Volume: eight/Volume: Volume:	CPESTGO P4201429 15.0110 ( 10 mL 1 uL SECONDA	.D 9
		<u>%</u>	Rec.					
Analyte		MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
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	e	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 (Line	dane)	2	101	67 - 126	1	30	p *	
Heptachlor		2	101	63 - 125	4	30	J p *	
Heptachlor epoxid	le	2	99	64 - 125	8	30	Jp*	
Methoxychlor		2	94	56 - 123	12	30	Јр*	
gamma-Chlordane	е	2	99	64 - 127	8	30	Jp*	
alpha-Chlordane		2	99	65 - 127	6	30	J p *	
Surrogate			MS % Rec	MSD %	% Rec	Acce	eptance Limi	ts

142

125

117

132

50 - 150

47 - 150

DCB Decachlorobiphenyl

Tetrachloro-m-xylene

Client: AKRF Inc Job Number: 460-127729-1

Method Blank - Batch: 460-417826

Method: 8082A Preparation: 3546

Acceptance Limits

35 - 150

Lab Sample ID: Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	MB 460-417826/1-A Solid 1.0 02/03/2017 1530 02/02/2017 2054 N/A	Analysis Batch: Prep Batch: Leach Batch: Units:	460-417975 460-417826 N/A ug/Kg	Lab I Initia Final Injec	ument ID: File ID: I Weight/Volume: I Weight/Volume: tion Volume: mn ID:	CPESTGC11 T1339407.D 15.0000 g 10 mL 1 uL PRIMARY
Analyte		Resu	ult	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 b	iphenyls, Total	9.2		U	9.2	67
Surrogate		% I	Rec		Acceptance Lin	nits
DCB Decachlorol	ninhenyl	1'	39		35 - 150	

% Rec

134

Surrogate

DCB Decachlorobiphenyl

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 Client Matrix: Solid Dilution: 1.0

Analysis Date: 02/03/2017 1545 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: T1339408.D Initial Weight/Volume: 15.0000 g Final Weight/Volume: 10 mL Injection Volume: 1 uL Column ID: **PRIMARY** 

Analyte Spike Amount Result % Rec. Limit Qual Aroclor 1016 333 444 133 77 - 150 333 467 140 79 - 150 Aroclor 1260 % Rec Surrogate 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 Client Matrix: Solid Dilution: 1.0

Analysis Date: 02/03/2017 1545 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: T1339408.D Initial Weight/Volume: 15.0000 g Final Weight/Volume: 10 mL Injection Volume: 1 uL

Column ID: SECONDARY

% Rec. Analyte Spike Amount Result 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

Client: AKRF Inc Job Number: 460-127729-1

Matrix Spike/ Method: 8082A
Matrix Spike Duplicate Recovery Report - Batch: 460-417826 Preparation: 3546

MS Lab Sample II Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	D: 460-127507-E-1-D MS Solid 1.0 02/03/2017 1614 02/02/2017 2054 N/A	Pre	alysis Batch: ep Batch: ach Batch:	460-417975 460-417826 N/A	Final W	ID: /eight/Volume: eight/Volume: n Volume:	CPESTGO T1339410 15.0113 10 mL 1 uL PRIMARY	J.D g
MSD Lab Sample Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	ID: 460-127507-E-1-E MSI Solid 1.0 02/03/2017 1629 02/02/2017 2054 N/A	Pre	alysis Batch: ep Batch: ach Batch:	460-417975 460-417826 N/A	Initial W Final W	ID: /eight/Volume: eight/Volume: n Volume:	CPESTGO T1339411 15.0110 10 mL 1 uL PRIMARY	.D g
		%	Rec.					
Analyte		MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016		221	135	77 - 150	49	30	E *	*
Aroclor 1260		176	144	79 - 150	15	30	*	
Surrogate			MS % Red	: MSD	% Rec	Acce	eptance Lim	its
DCB Decachlorob	iphenyl		170	* 144		3	5 - 150	

Matrix Spike/ Method: 8082A
Matrix Spike Duplicate Recovery Report - Batch: 460-417826 Preparation: 3546

MS Lab Sample II Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	D: 460-127507-E-1-D MS Solid 1.0 02/03/2017 1614 02/02/2017 2054 N/A	Prep	ysis Batch: Batch: th Batch:	460-417975 460-417826 N/A	Final We	ID: eight/Volume: eight/Volume: Volume:	CPESTGO T1339410 15.0113 10 mL 1 uL SECONDA	.D g
MSD Lab Sample Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	ID: 460-127507-E-1-E MS Solid 1.0 02/03/2017 1629 02/02/2017 2054 N/A	Prep	ysis Batch: Batch: ch Batch:	460-417975 460-417826 N/A	Final We	ID: eight/Volume: eight/Volume: Volume:	CPESTGO T1339411 15.0110 10 mL 1 uL SECONDA	.D g
		<u>% I</u>	Rec.					
Analyte		MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016 Aroclor 1260		154 167	134 146	77 - 150 79 - 150	14 19	30 30	E *	

MSD % Rec

141

Acceptance Limits

35 - 150

MS % Rec

166

DCB Decachlorobiphenyl

Surrogate

Client: AKRF Inc Job Number: 460-127729-1

Method Blank - Batch: 460-418320

Method: 8151A Preparation: 8151A

Lab Sample ID: Client Matrix: Dilution:

Analysis Date:

Prep Date:

Solid 1.0

MB 460-418320/1-A 02/07/2017 1407 02/06/2017 2120

Prep Batch: Leach Batch: Units:

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

Instrument ID: Lab File ID: Initial Weight/Volume: Final Weight/Volume:

CPESTGC3 ZR143894.D 30.0000 g 10 mL 1 uL

Leach Date: N/A Injection Volume: 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	

Surrogate 2,4-Dichlorophenylacetic acid

130

Acceptance Limits 80 - 141

Surrogate 2,4-Dichlorophenylacetic acid % Rec 117

Acceptance Limits 80 - 141

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 Client Matrix: Solid Dilution: 1.0 Analysis Date: 02/07/2017 1421 Prep Date:

Leach Date:

02/06/2017 2120 N/A

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

Instrument ID: CPESTGC3 Lab File ID: ZR143895.D Initial Weight/Volume: 30.0000 g Final Weight/Volume: 10 mL Injection Volume: 1 uL Column ID: **PRIMARY** 

Analyte Spike Amount Result % Rec. Limit Qual 2,4-D 333 289 87 39 - 119 83.3 58 - 150 Silvex (2,4,5-TP) 125 150 2,4,5-T 83.3 90.8 109 53 - 134 Acceptance Limits Surrogate % Rec 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 Client Matrix: Solid Dilution: 1.0 02/07/2017 1421 Analysis Date: Prep Date: 02/06/2017 2120 Leach Date: N/A

Analysis Batch: Prep Batch: Leach Batch: N/A Units: ug/Kg

460-418431 460-418320

Instrument ID: CPESTGC3 Lab File ID: ZR143895.D Initial Weight/Volume: 30.0000 g Final Weight/Volume: 10 mL Injection Volume: 1 uL Column ID: **SECONDARY** 

Analyte Spike Amount Result % Rec. Limit Qual 2.4-D 333 289 87 39 - 119 83.3 58 - 150 Silvex (2,4,5-TP) 98.0 118 2,4,5-T 83.3 89.5 107 53 - 134 Surrogate % Rec Acceptance Limits 2,4-Dichlorophenylacetic acid 118 80 - 141

Client: AKRF Inc Job Number: 460-127729-1

Matrix Spike/ Method: 8151A
Matrix Spike Duplicate Recovery Report - Batch: 460-418320 Preparation: 8151A

MS Lab Sample I	D: 460-127892-H-1-A M	IS An	alysis Batch:	460-418431	Instrume	ent ID:	CPESTG	23	
Client Matrix:	Solid		p Batch:	460-418320	Lab File	ID:	ZR143896		
Dilution:	1.0	Lea	ach Batch:	N/A	Initial W	eight/Volume:	30.0118	g	
Analysis Date:	02/07/2017 1436				Final We	eight/Volume:	10 mL	_	
Prep Date:	02/06/2017 2120				Injection	Volume:	1 uL		
Leach Date:	N/A				Column	ID:	PRIMARY	,	
MSD Lab Sample	e ID: 460-127892-H-1-B M	ISD An	alysis Batch:	460-418431	Instrume	ent ID:	CPESTG	C3	
Client Matrix:	Solid	Pre	p Batch:	460-418320	Lab File	Lab File ID:		ZR143897.D	
Dilution:	1.0	Lea	ach Batch:	N/A	Initial W	eight/Volume:	30.0121	g	
Analysis Date:	02/07/2017 1451				Final We	eight/Volume:	10 mL		
Prep Date:	02/06/2017 2120				Injection	Volume:	1 uL		
Leach Date:	N/A				Column	ID:	PRIMARY	,	
		<u>%</u>	Rec.						
Analyte		MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual	
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 % Red	MSD 9	% Rec	Acce	eptance Lim	its	
2,4-Dichlorophen	vlacetic acid		126	124		8	0 - 141		

Client: AKRF Inc Job Number: 460-127729-1

Matrix Spike/ Method: 8151A
Matrix Spike Duplicate Recovery Report - Batch: 460-418320 Preparation: 8151A

Instrument ID: MS Lab Sample ID: 460-127892-H-1-A MS Analysis Batch: 460-418431 CPESTGC3 Client Matrix: Prep Batch: 460-418320 Lab File ID: ZR143896.D Dilution: 1.0 Leach Batch: N/A Initial Weight/Volume: 30.0118 g Final Weight/Volume: Analysis Date: 02/07/2017 1436 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: 460-418320 Lab File ID: Solid Prep Batch: ZR143897.D Dilution: Initial Weight/Volume: 1.0 Leach Batch: N/A 30.0121 g 02/07/2017 1451 Final Weight/Volume: Analysis Date: 10 mL Injection Volume: Prep Date: 02/06/2017 2120 1 uL Column ID: **SECONDARY** Leach Date: N/A % Rec. **RPD** Limit Analyte MS MSD Limit **RPD** MS Qual MSD Qual 2,4-D 85 83 39 - 119 2 30 58 - 150 Silvex (2,4,5-TP) 114 112 1 30 2,4,5-T 53 - 134 2 30 104 102 Surrogate MS % Rec MSD % Rec Acceptance Limits 2,4-Dichlorophenylacetic acid 116 114 80 - 141

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 Units: Final Weight/Volume: Analysis Date: 02/08/2017 1014 mg/Kg 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% RecAcceptance Limitso-Terphenyl10040 - 1401-Chlorooctadecane10140 - 140

Lab Control Sample/ Method: NJDEP EPH
Lab Control Sample Duplicate Recovery Report - Batch: 460-418217 Preparation: 3546

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: Leach Batch: Initial Weight/Volume: 15.0000 g 1.0 N/A Analysis Date: 02/08/2017 1027 Final Weight/Volume: 2 mL Units: mg/Kg Injection Volume: Prep Date: 02/06/2017 1006 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: Units: 2 mL

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
 ½ Rec. LCS
 LCSD
 Limit
 RPD
 RPD Limit
 LCS Qual
 LCSD Qual

 Total EPH (C9-C40)
 83
 88
 40 - 140
 6
 25

Client: AKRF Inc Job Number: 460-127729-1

Matrix Spike/ Method: NJDEP EPH Matrix Spike Duplicate Recovery Report - Batch: 460-418217 Preparation: 3546

MS Lab Sample Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	D: 460-127703-A-1-A MS Solid 1.0 02/08/2017 1051 02/06/2017 1006 N/A	Analysis Ba Prep Batch: Leach Batcl	460-418217	Instrument ID: Lab File ID: Initial Weight/Volume Final Weight/Volume: Injection Volume: Column ID:	•
MSD Lab Sample Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	e ID: 460-127703-A-1-B MSE Solid 1.0 02/08/2017 1103 02/06/2017 1006 N/A	Analysis Ba Prep Batch: Leach Batch	460-418217	Instrument ID: Lab File ID: Initial Weight/Volume Final Weight/Volume: Injection Volume: Column ID:	•
Analyte Total EPH (C9-C	40)	<ul><li>% Rec.</li><li>MS</li><li>MSI</li><li>74</li><li>72</li></ul>	) Limit 40 - 140	RPD RPD Limit 3 25	MS Qual MSD Qual

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

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

Client Matrix: Solid Dilution: 1.0

Analysis Date: 02/06/2017 1529 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: 0.495 g Final Weight/Volume: 100 mL

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	
ron	202	213.3	106	80 - 120	
₋ead	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	
Гhallium	20.2	19.52	97	80 - 120	
√anadium	20.2	20.32	101	80 - 120	
Zinc	20.2	21.23	105	80 - 120	
Sulfur	101	116.0	115	80 - 120	

Client: AKRF Inc Job Number: 460-127729-1

Method: 6010C Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 490-405840 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

Final Weight/Volume: Analysis Date: 02/06/2017 1554 100 mL

Prep Date: 02/06/2017 0933

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

Initial Weight/Volume: Dilution: 1.0 Leach Batch: N/A 0.500 g

02/06/2017 1609 Final Weight/Volume: 100 mL Analysis Date:

Prep Date: 02/06/2017 0933

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

Leach Date:

Leach Date:

N/A

N/A

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

02/05/2017 1524 Analysis Date: 02/04/2017 1945 Prep Date:

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	

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

Client Matrix: Solid Dilution: 5.0

Analysis Date: 02/05/2017 1707 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	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

Client Matrix: Water Dilution: 2.0 Analysis Date: 02/05/2017 1509

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	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	

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: 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 R	esult/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 Re	esult/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	

Client: AKRF Inc Job Number: 460-127729-1

Method Blank - Batch: 460-417943

Preparation: 7470A

Method: 7470A

Lab Sample ID: MB 460-417943/1-A

Client Matrix: Water Dilution: 1.0

Analysis Date: 02/03/2017 1501 Prep Date: 02/03/2017 1124

Leach Date: N/A Analysis Batch: 460-418011 Prep Batch: 460-417943

Leach Batch: N/A Units: ug/L Instrument ID: LEEMAN6 Lab File ID: 417936hg1.CSV

Initial Weight/Volume: 30 mL Final Weight/Volume: 30 mL

Analyte Result Qual RL MDL U 0.17 0.20 Mercury 0.17

TCLP SPLPE Leachate Blank - Batch: 460-417943 Method: 7470A Preparation: 7470A

**TCLP** 

Lab Sample ID: LB 460-417769/1-C

Client Matrix: Solid Dilution: 1.0

Analysis Date: 02/03/2017 1537 Prep Date: 02/03/2017 1125

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

RL Analyte Result Qual MDL 0.17 U 0.20 Mercury 0.17

Lab Control Sample - Batch: 460-417943 Method: 7470A Preparation: 7470A

Analysis Batch:

Lab Sample ID: LCS 460-417943/2-A Client Matrix: Water Dilution: 1.0

Analysis Date: 02/03/2017 1503 Prep Date: 02/03/2017 1124

Leach Date: N/A

Units:

Prep Batch: 460-417943 Leach Batch: N/A ug/L

Instrument ID: LEEMAN6 Lab File ID: 417936hg1.CSV

Initial Weight/Volume: 30 mL Final Weight/Volume: 30 mL

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

460-418011

LEEMAN6

417936hg1.CSV

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 Analysis Batch: 460-418011 Instrument ID: Client Matrix: Solid Prep Batch: 460-417943 Lab File ID:

Dilution: 1.0 Leach Batch: 460-417769 Initial Weight/Volume: 30 mL Analysis Date: 02/03/2017 1509 Units: ug/L Final Weight/Volume: 30 mL

Prep Date: 02/03/2017 1124 Leach Date: 02/02/2017 1700

02/02/2017 1700

Leach Date:

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 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 1507 Units: ug/L Final Weight/Volume: 30 mL Prep Date: 02/03/2017 1124

Analyte Sample Result/Qual Result RPD Limit Qual

Mercury 0.17 U 0.17 NC 20 U

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: N/A

1.0 Leach Batch: Initial Weight/Volume: 0.60 g Final Weight/Volume: Analysis Date: 02/02/2017 0947 Units: mg/Kg 50 mL

Prep Date: 02/02/2017 0517

N/A

N/A

Leach Date: N/A

Leach Date:

Leach Date:

Analyte Result Qual MDL RL U 0.017 Mercury 0.011 0.011

LCS-Certified Reference Material - Batch: 460-417657 Method: 7471B Preparation: 7471B

Lab Sample ID: LCSSRM 460-417657/2-F Analysis Batch: 460-417711 Instrument ID: LEEMAN5

Client Matrix: Prep Batch: 460-417657 Lab File ID: Solid 417656HG1.PRN Dilution: 20 Leach Batch: Initial Weight/Volume: 0.60 g N/A

Analysis Date: 02/02/2017 0949 Units: mg/Kg Final Weight/Volume: 50 mL

Prep Date: 02/02/2017 0517

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

Method: 7471B Matrix Spike - Batch: 460-417657 Preparation: 7471B

Lab Sample ID: 460-127719-D-3-C MS Analysis Batch: 460-417711 Instrument ID: LEEMAN5 Prep Batch: Client Matrix: Solid 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

Analyte Sample Result/Qual Spike Amount Result % Rec. Limit Qual

Mercury 0.035 0.0849 0.144 129 75 - 125 Ν

Limit

Qual

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 Analysis Batch: 460-417711 Instrument ID: LEEMAN5

Client Matrix: Prep Batch: 417656HG1.PRN 460-417657 Lab File ID:

Dilution: 1.0 Leach Batch: N/A Initial Weight/Volume: 0.64 g mg/Kg Final Weight/Volume: 02/02/2017 0953 Units: 50 mL

Analysis Date: Prep Date: 02/02/2017 0517

Leach Date: N/A RPD

Analyte Sample Result/Qual Mercury 0.035 0.0362 4 20

Result

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:

Analysis Date: 02/03/2017 1130 Units: mm/sec Final 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

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

Client Matrix: Solid Dilution: 1.0

Analysis Date: 02/06/2017 1330 Prep Date: 02/06/2017 0630

Leach Date: N/A Analysis Batch: 460-418276 Prep Batch: 460-418195

Leach Batch: N/A Units: mg/Kg

Instrument ID: WetHexSpec

Lab File ID: N/A Initial Weight/Volume: 2.50 g Final Weight/Volume: 100.00 mL

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

Lab Control Sample Insoluble - Batch: 460-418195

Method: 7196A Preparation: 3060A

Lab Sample ID: LCSI 460-418195/3-A

Client Matrix: Solid Dilution: 50 Analysis Date: 02/06/2017 1330 02/06/2017 0630

Prep Date:

Leach Date: N/A Analysis Batch: 460-418276 Prep Batch: 460-418195 Leach Batch: N/A

Units: mg/Kg Instrument ID: WetHexSpec

Lab File ID: N/A Initial Weight/Volume: 2.50 g Final Weight/Volume: 100.00 mL

Qual

Analyte Spike Amount Result % Rec. Limit 708 771.7 109 80 - 120

Cr (VI)

LCS-Certified Reference Material - Batch: 460-418195

Method: 7196A Preparation: 3060A

Lab Sample ID: LCSSRM 460-418195/2- Analysis Batch: 460-418276 Instrument ID: WetHexSpec

Client Matrix: Solid Dilution: 1.0 Analysis Date: 02/06/2017 1330 Prep Date:

02/06/2017 0630

Leach Date: N/A Prep Batch: 460-418195 Lab File ID: N/A Leach Batch: N/A Initial Weight/Volume: 2.50 g Units: mg/Kg Final Weight/Volume: 100.00 mL

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

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: Prep Batch: 460-418195 Lab File ID: N/A Dilution: Leach Batch: N/A Initial Weight/Volume: 1.0 2.50 g Final Weight/Volume: Analysis Date: 02/06/2017 1330 Units: mg/Kg 100.00 mL

Prep Date: 02/06/2017 0630

N/A

N/A

Leach Date: N/A

Leach Date:

Leach Date:

 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

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: Prep Batch: 460-418195 Solid Lab File ID: N/A 2.50 g Dilution: 1.0 Leach Batch: N/A Initial Weight/Volume: Analysis Date: 02/06/2017 1330 Units: mg/Kg Final Weight/Volume: 100.00 mL

Prep Date: 02/06/2017 0630

Analyte Sample Result/Qual Result RPD Limit Qual

Cr (VI) 1.9 U 1.9 NC 20 U

WetHexSpec

WetHexSpec

WetHexSpec

N/A

2.50 g

100 mL

N/A

2.50 g

100 mL

N/A

2.50 g

100 mL

Client: AKRF Inc Job Number: 460-127729-1

460-418449

460-418402

460-418449

460-418402

460-418449

460-418402

N/A

mg/Kg

N/A

mg/Kg

N/A

mg/Kg

Method Blank - Batch: 460-418402

Method: 7196A Preparation: 3060A

Initial Weight/Volume:

Final Weight/Volume:

Instrument ID:

Lab File ID:

Lab Sample ID: MB 460-418402/1-A

Client Matrix: Solid Dilution: 1.0

Analysis Date: 02/07/2017 1315 Prep Date:

Leach Date: N/A

02/07/2017 0900

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

Analysis Batch:

Prep Batch:

Units:

Leach Batch:

Lab Control Sample Insoluble - Batch: 460-418402

Method: 7196A Preparation: 3060A

Initial Weight/Volume:

Final Weight/Volume:

Method: 7196A

Instrument ID:

Initial Weight/Volume:

Final Weight/Volume:

Lab File ID:

Instrument ID:

Lab File ID:

Lab Sample ID: LCSI 460-418402/3-A

Client Matrix: Solid Dilution: 50 Analysis Date: 02/07/2017 1315

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

Prep Batch:

Units:

Leach Batch:

Analysis Batch:

Prep Batch:

Units:

Leach Batch:

LCS-Certified Reference Material - Batch: 460-418402

Preparation: 3060A

Lab Sample ID: LCSSRM 460-418402/2- Analysis Batch:

Client Matrix: Solid Dilution: 1.0 Analysis Date: 02/07/2017 1315

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

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: Prep Batch: 460-418402 Lab File ID: N/A Dilution: Leach Batch: N/A Initial Weight/Volume: 1.0 2.50 g Final Weight/Volume: Analysis Date: 02/07/2017 1315 Units: mg/Kg 100 mL

Prep Date: 02/07/2017 0900

Leach Date: N/A

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

Matrix Spike Insoluble - Batch: 460-418402 Method: 7196A Preparation: 3060A

Lab Sample ID: Analysis Batch: 460-418449 Instrument ID: 460-127753-A-1-H MSI WetHexSpec

Client Matrix: Prep Batch: 460-418402 Lab File ID: N/A Solid Initial Weight/Volume: Dilution: 50 Leach Batch: N/A 2.50 q

Units: Final Weight/Volume: Analysis Date: 02/07/2017 1315 mg/Kg 100 mL

Prep Date: 02/07/2017 0900 Leach Date: N/A

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

Duplicate - Batch: 460-418402 Method: 7196A Preparation: 3060A

Lab Sample ID: 460-127753-A-1-F DU Analysis Batch: 460-418449 Instrument ID: WetHexSpec 460-418402 Client Matrix: Prep Batch: Lab File ID: Solid 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

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

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:

Leach Batch: N/A Units:

460-417787

mg/Kg

Instrument ID: Lachat3

Lab File ID: OM\_2-3-2017\_11-21-01

Initial Weight/Volume: 0.50 g

Final Weight/Volume:

Analyte Result Qual MDL RL Cyanide, Total 0.027 U 0.027 0.10

Qual

Client: AKRF Inc Job Number: 460-127729-1

Result

0.941

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

Analyte

Cyanide, Total

Leach Date: N/A Analysis Batch: 460-418014 Prep Batch: 460-417787

Leach Batch: N/A Units: mg/Kg

Spike Amount

1.00

Instrument ID:

Lachat3 Lab File ID: OM 2-3-2017 11-21-01

Initial Weight/Volume: 0.50 g

Final Weight/Volume:

Limit

90 - 110

High Level Control Sample - Batch: 460-417787

Method: 9012B Preparation: 9012B

% Rec.

94

Lab Sample ID: HLCS 460-417787/3-A

Client Matrix: Solid Dilution: 1.0 Analysis Date: 02/03/2017 1133

02/02/2017 1559 Prep Date:

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 % Rec. Limit Qual Spike Amount Result 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-F Analysis Batch:

Client Matrix: Solid Dilution: 10

Analysis Date: 02/03/2017 1134 Prep Date: 02/02/2017 1559

Leach Date: N/A

460-418014 Prep Batch: 460-417787

Leach Batch: N/A Units: mg/Kg

Final Weight/Volume:

Instrument ID: Lachat3

Lab File ID: OM\_2-3-2017\_11-21-01 Initial Weight/Volume: 0.50 g

Result % Rec. Limit Qual Analyte Spike Amount

Cyanide, Total 78.3 18.60 23.8 14.4 - 132.8

Client: AKRF Inc Job Number: 460-127729-1

Matrix Spike/ Method: 9012B Matrix Spike Duplicate Recovery Report - Batch: 460-417787 Preparation: 9012B

Instrument ID: Lachat3 MS Lab Sample ID: 460-127507-E-1-B MS Analysis Batch: 460-418014

Client Matrix: 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

Final Weight/Volume: Analysis Date: 02/03/2017 1136

Prep Date: 02/02/2017 1559

MSD Lab Sample ID: 460-127507-E-1-C MSD Analysis Batch: 460-418014 Instrument ID: Lachat3

Client Matrix: Lab File ID: Solid Prep Batch: 460-417787 OM\_2-3-2017\_11-21-01

Dilution: Initial Weight/Volume: 1.0 Leach Batch: N/A 0.50 g

Analysis Date: 02/03/2017 1137 Final Weight/Volume: 5 mL

Prep Date: 02/02/2017 1559

% Rec. Analyte MS MSD Limit **RPD RPD Limit** MS Qual MSD Qual

Cyanide, Total 91 91 47 - 118 0 35

Leach Date:

Leach Date:

N/A

N/A

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

Analyte Sample Result/Qual Result RPD Limit Qual

Cyanide, Reactive 25.0 U 25.0 NC 10 U

Leach Date:

N/A

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: Leach Batch: N/A Initial Weight/Volume: Dilution: 1.0 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-/ Analysis Batch: 460-418286 Instrument ID: No Equipment Assigned

Client Matrix: Prep Batch: 460-418283 Lab File ID: N/A Solid 10 g Dilution: 1.0 Leach Batch: N/A Initial Weight/Volume: 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/ Method: 9034
Matrix Spike Duplicate Recovery Report - Batch: 460-418283 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

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
 MS
 MSD
 Limit
 RPD
 RPD Limit
 MS Qual
 MSD Qual

 Sulfide, Reactive
 85
 81
 27 - 110
 6
 22

Qual

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: Dilution: 1.0 Leach Batch: N/A Initial Weight/Volume: 20 mL

Final Weight/Volume: Analysis Date: 02/03/2017 1352 Units: SU 20 mL

Prep Date: N/A Leach Date: N/A

Analyte Result Qual NONE NONE рН 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: Prep Batch: N/A Solid N/A Lab File ID: 20 mL Dilution: Leach Batch: Initial Weight/Volume: 1.0 N/A Units: SU Final Weight/Volume: 20 mL

Analysis Date: 02/03/2017 1355 Prep Date: N/A

N/A

N/A

Leach Date: Analyte Spike Amount Result % Rec. Limit

98.2 - 102.0 рΗ 6.06 6.0 99.7 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: Leach Batch: Initial Weight/Volume: 20 g 1.0 N/A

Analysis Date: 02/03/2017 1401 Units: SU Final Weight/Volume: 20 mL Prep Date: N/A

9.7

Analyte Sample Result/Qual Result RPD Limit Qual рН 9.7 9.7 0.2 10

9.7

0.2

10

Leach Date:

Corrosivity

Client: AKRF Inc Job Number: 460-127729-1

Duplicate - Batch: 460-418281 Method: 9095B Preparation: N/A

0.500

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

Free Liquid

Analyte Sample Result/Qual Result RPD Limit Qual

0.500

NC

10

U

U

Client: AKRF Inc Job Number: 460-127729-1

Duplicate - Batch: 460-417716 Method: Moisture Preparation: N/A

Lab Sample ID:460-127677-B-1 DUAnalysis Batch:460-417716Instrument ID:No Equipment AssignedClient Matrix:SolidPrep Batch:N/ALab File ID:N/ADilution:1.0Leach Batch:N/AInitial 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	

<u>TestAmerica</u>

777 New Durham Road Edison, New Jersey 08817 Phone: (732) 549-3900 Fax: (732) 549-3679

ONMENTAL TESTI VOICE) CLE, NC ARK AVE ARK AVE Fax Fax (91)	CHAIN OF  Samplers  P.O.#  P.O.#  State  NY (00)6  State  NY (00)6  Standard  Analysis Tu  Rush Chard  2 week  1 week  1 week  Other	F CUSTODY / AN.  Provided (Printed)  Provided	TO INDICATE HE	3, 82700 C, 7570 A SUBSTITUTE OF SUBSTITUTE	Page of  A Other:  DER 10  LAB USE ONLY Project No:  12 7770
53)810 - (≤ 13 ( Sample Identification	SK/949 7559   1 Week   Other   Time   2/1/17   11:00	No. of.   Matrix   Cont.   Spic   2	X 6010C X 8082 A 7 7 1 36A, X 7 1 36A, X 8014, X 90150, X 80813	× 80151	Sample Numbers
460-127729 Chain of Custody					S I
Preservation Used 1 = ICE 2 = HCl, 3 = I	ō   L	Soil:	-		HOLD
Special Instructions Cotypony A Delivership, Relinquished by Company Company ARRIVATE ARRE		VOCS 8260C and 80150 one  Date/Time Received  WC 09/01/17 (4:301)	by by	All Illy Company Company  A  Company  Company  A  Company  Company	(Yes/No)?
Relinquished by Co	Company H	U///7 + U//7 + U/2 = 0	2) William Manual	Company	111/2 111/2
Relinquished by Co	Company	Date / Time Reck	Received by V	Company	
Relinquished by  (Co	Company	Date / Time Reco	Received by 4)	Company	
Laboratory Certifications: New Jersey Massachusetts (M-NJ312), North Carol	New Jersey (12028), New York (11452), North Carolina (No. 578)	Pennsylvania (68-5:	22), Connecticut (PH-0200), Rhode Island (132).	Rhode Island (132).	TAL - 0016 (0814)
		,	١	,	

# Receipt Temperature and pH Log TestAmerica Edison

Page \_\_

| 으 -

Job Number:

							,		_	
						,			TALS Sample Number	
If pH adj					=				(pH<2)	Ammonia
ustments									(pH<2)	COD
If pH adjustments are required record the information below:				:					(pH<2)	Nitrate Nitrite
red recon									(pH<2)	* Metals
d the info									(pH<2)	Hardness
rmation b			-						(pH 5-9) (pH<2)	Pest
elow:									(pH<2)	EPH or QAM
							,		(pH<2)	Phenois Sulfide
									(pH>9)	Sulfide
									(pH<2)	TKN
									(pH<2)	Тос
									(pH>12)	Total Cyanide
								, ,	(pH<2)	Total Cyanide Total Phos Other
		,								Other
										Other

Volume of Preservative used (ml): Expiration Date:

Preservative Name/Conc.:\_ Sample No(s). adjusted:

Lot # of Preservative(s):

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.

Page 112 of 116



THE LEADER IN ENVIRONMENTAL TESTING

#### COOLER RECEIPT FORM



Nashville, TN Cooler Received/Opened On 2/3/2017 1020 Time Samples Placed In Storage Time Samples Removed From Cooler Courier: FedEx (last 4 digits, FedEx) 1. Tracking # Chlorine Strip Lot IR Gun ID\_\_17960353 pH Strip Lot 2. Temperature of rep. sample or temp blank when opened:  $\frac{\circ \cdot 3}{}$ 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? If yes, how many and where:\_ YES...NO.(NA) 5. Were the seals intact, signed, and dated correctly? YES.).NO...NA 6. Were custody papers inside cooler? I certify that I opened the cooler and answered questions 1-6 (intial) YES...NO MON and Intact YES 7. Were custody seals on containers: YES...NO(..N Were these signed and dated correctly? Plastic bag Peanuts Vermiculite Foam Insert Paper Other None 8. Packing mat'l used? Bubblewrap Ice (direct contact) Dry ice Other None Ice-pack 9. Cooling process: YES. NO...NA 10. Did all containers arrive in good condition (unbroken)? ES\.)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? 13a. Were VOA vials received? YES...NO. b. Was there any observable headspace present in any VOA vial? If multiple coolers, sequence # ŃΟ. 14. Was there a Trip Blank in this cooler? I certify that I unloaded the cooler and answered questions 7-14 (intial) 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 16. Was residual chlorine present? I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) YES)..NO...NA 17. Were custody papers properly filled out (ink, signed, etc)? ..NO...NA 18. Did you sign the custody papers in the appropriate place? ...NO...NA 19. Were correct containers used for the analysis requested? /ES/..NO...NA 20. Was sufficient amount of sample sent in each container? I certify that I entered this project into LIMS and answered questions 17-20 (intial) I certify that I attached a label with the unique LIMS number to each container (intial)

21. Were there Non-Conformance issues at login? YES. (NO ) Was a NCM generated? YES.

# TestAmerica Edison

Phone (732) 549-3900 Fax (732) 549-3679 777 New Durham Road Edison, NJ 08817

Chail

$\overline{a}$
0
$\tilde{\alpha}$
$\simeq$
œ
2
14
_
$\rightarrow$
7
$\simeq$
0
Ţ
S
===
_
$\boldsymbol{()}$
_
4
$\mathbf{\mathcal{I}}$
_
_



The Leader is environmental testing

Client Information (Sub Contract Lab)				Haas	Haas, Melissa				٠				460-47664 1		
Client Contact:	Phone:			E-Mail:					Stat	State of Origin:			Page:		
Shipping/Receiving		,		melis	sa.haas	@testam	melissa.haas@testamericainc.com	шо	Ne Se	New York			Page 1 of 1		
Company:					Accreditati	ons Requir	Accreditations Required (See note):	;;					Job #:		
ierica Laboratories, Inc					NELAP.	NELAP - New York	¥						460-127729-1		
Address: 2960 Foster Creighton Drive	Due Date Requested: 2/8/2017						ΔV	alveie	Analysis Beginested	had			Preservation Codes:	;sepo;	
	110707							200		2			A-HCL	M - Hexane	
City: Nashville	TAT Requested (days):	:(s											B - NaOH C - Zn Acetate	N - None O - AsNaO	
State, Zip. TN, 37204							•							P - Na2048 Q - Na2S03	
Phone: 615-726-0177(Tel) 615-726-3404(Fax)	PO #:		İ			Sulfur							G - Amchlor H - Ascorbic Acid	R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate	3 lecahydrate
Email:	WO#:				(0)	+ 35!7									
ct Name. hing Industrial Park	Project #. 46008628			ì		nalyte i			x			<u> </u>	K - EDTA	W - pH 4-5 Z - other (specify)	ecify)
Site:	SSOW#:				V) ası	A jegir							other:		
Sample Identification - Client ID (Lab ID)	Sample Date	Sample	Sample Type C=comp,	Watrix (W=water, S=solid, O=waste(oii,	VI/SM mnotre9	5T A1308\20108							TedmuM lettoT	Special Instructions/Note:	Note:
	777	$\bigvee$	Preserva	n Code:	X				: Æ.						100
CE-WC-1 (460-127729-1)	2/1/17	· 11:00 Eastern		Solid		×							**************************************	,	
													7.5		
													200		
			,												
				-											
							-							,	
Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of	ies, Inc. places the owr	ership of meth	od, analyte & ac	creditation co	npliance up	on out sub	contract lab	oratories.	This sampl	shipment	is forward	ad under o	method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not	laboratory does	not

currently maintain accreditation in the State of Origin listed above for analysis/hests/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 Laboratorica, inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratorices, inc. Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Month
Special Instructions/QC Requirements: Method of Shipmen Time: Primary Deliverable Rank: 1 Date: Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) Possible Hazard Identification Empty Kit Relinquished by: elinquished by:

Date/Time:

Cooler Temperature(s) °C and Other Remarks.

Received by:

Company

Date/Time:

Custody Seal No.:

Custody Seals Intact: △ Yes △ No

elinquished by: elinquished by:

#### **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 = background as measured by a survey meter.</td <td>N/A</td> <td></td>	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 <6mm (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 = background as measured by a survey meter.</td <td>N/A</td> <td></td>	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 <6mm (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

Designee for

Allian L. Bennett

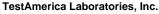
Melissa Haas, Project Manager I 777 New Durham Road, Edison, NJ, 08817 (203)944-1310

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





Allison L Bennett Project Management Assistant II 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.

Approved for release. Allison L Bennett Project Management Assistant II 2/7/2017 3:01 PM

Allion L. Bennett

Designee for Melissa Haas

Page 2 of 63

## **Table of Contents**

Cover Title Page	1
Report Narrative	4
Executive Summary	7
Method Summary	9
Method / Analyst Summary	10
Sample Summary	11
Sample Results	12
Sample Datasheets	13
Data Qualifiers	23
QC Results	24
Qc Association Summary	25
Surrogate Recovery Report	28
Qc Reports	32
Client Chain of Custody	61
Sample Receipt Checklist	63

#### **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 Client Sample ID Analyte	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	В	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	Ü	750	ug/Kg	8270D
Dibenz(a,h)anthracene	570		750 75	ug/Kg	8270D
Dibenzofuran	530	J	750	ug/Kg ug/Kg	8270D
Fluoranthene	6600	J	750 750	ug/Kg ug/Kg	8270D
Fluorene	970		750 750	ug/Kg ug/Kg	8270D
	2300	*	750 75	ug/Kg ug/Kg	8270D
Indeno[1,2,3-cd]pyrene Naphthalene	520 520	J	75 750	ug/Kg ug/Kg	8270D 8270D
Phenanthrene	6700	J	750 750		8270D 8270D
	57 57		750 750	ug/Kg	
Phenol		J		ug/Kg	8270D
Pyrene	4900		750 76	ug/Kg	8270D
Aroclor 1260	450 450		76 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 Closed System Purge and Trap	TAL EDI TAL EDI	SW846 8260C	SW846 5035
Semivolatile Organic Compounds (GC/MS) Microwave Extraction	TAL EDI TAL EDI	SW846 8270D	SW846 3546
Organochlorine Pesticides (GC) Microwave Extraction	TAL EDI TAL EDI	SW846 8081B	SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography Microwave Extraction	TAL EDI TAL EDI	SW846 8082A	SW846 3546
Metals (ICP) Preparation, Metals	TAL EDI TAL EDI	SW846 6010C	SW846 3050B
Mercury (CVAA) Preparation, Mercury	TAL EDI TAL EDI	SW846 7471B	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

			Date/Time	Date/Time
Lab Sample ID	Client Sample ID	Client Matrix	Sampled	Received
460-127730-1	CE-SP1-RMZB	Solid	02/01/2017 1145	02/01/2017 1600

### **SAMPLE RESULTS**

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

460-417855 Analysis Method: 8260C Analysis Batch: 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	9	0.18	U	0.18	1.0
1,1,2-Trichloro-1,2,2-triflu	oroethane	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-Chloropro	pane	0.49	U	0.49	1.0
1,2-Dichlorobenzene		0.14	U	0.14	1.0
1,2-Dichloroethane		0.11	Ū	0.11	1.0
1,2-Dichloropropane		0.18	Ū	0.18	1.0
1,3-Dichlorobenzene		0.12	Ū	0.12	1.0
1,4-Dichlorobenzene		0.13	Ü	0.13	1.0
1,4-Dioxane		6.6	Ü	6.6	21
2-Butanone (MEK)		2.1	J	0.80	5.2
2-Hexanone		0.97	Ŭ	0.97	5.2
4-Methyl-2-pentanone (M	IRK)	2.3	Ü	2.3	5.2
Acetone	ibit)	14	В	1.1	5.2
Benzene		0.21	U	0.21	1.0
Bromoform		0.13	U	0.13	1.0
Bromomethane		0.13	U	0.13	1.0
Carbon disulfide		0.33			
			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

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 Initial Weight/Volume: 5.51 g
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
		0/ 5	0 115		

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

Client: AKRF Inc Job Number: 460-127730-1

Client Sample ID: CE-SP1-RMZB

Bis(2-ethylhexyl) phthalate

Butyl benzyl phthalate

Dibenz(a,h)anthracene

Caprolactam

Carbazole

Chrysene

Lab Sample ID: 460-127730-1 Date Sampled: 02/01/2017 1145

Client Matrix: Solid % Moisture: 12.3 Date Received: 02/01/2017 1600

#### 8270D Semivolatile Organic Compounds (GC/MS)

8270D Analysis Batch: 460-417837 Analysis Method: Instrument ID: CBNAMS5 Prep Method: 3546 Prep Batch: 460-417710 x225440.D Lab File ID: Dilution: 2.0 Initial Weight/Volume: 15.0289 q 1

Analysis Date: 02/03/2017 0557 Final Weight/Volume: mL Prep Date: 02/02/2017 1028 Injection Volume: 1 uL Qualifier Result (ug/Kg) MDL RL Analyte DryWt Corrected: Y 1,1'-Biphenyl 110 64 750 1,2,4,5-Tetrachlorobenzene 56 U 56 750 U 2,2'-oxybis[1-chloropropane] 31 31 750 2.3.4.6-Tetrachlorophenol 71 U 71 750 2,4,5-Trichlorophenol U 75 75 750

J

U

U

110

23

54

490

2800

570

29

23

54

19

20

39

750

750

750

750

750

75

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

#### 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

Analysis Date. 02/05/2017 0007			Tillar VVCignit Volunic. Till			
Prep Date: 02/	02/2017 1028		Injec	tion 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	
Hexachlorocyclopentac	diene	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-propylam	nine	25	U *	25	75	
N-Nitrosodiphenylamin	e	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	Accep	tance Limits	
2,4,6-Tribromophenol (	Surr)	62		10 - 10	03	
2-Fluorobiphenyl		76		38 - 9	5	
2-Fluorophenol (Surr)		56		25 - 9	2	
Nitrobenzene-d5 (Surr)	)	67		37 - 9	4	
Phenol-d5 (Surr)		63		32 - 9	1	
Terphenyl-d14 (Surr)		68		24 - 10	09	

02/07/2017

Client: AKRF Inc Job Number: 460-127730-1

Client Sample ID: CE-SP1-RMZB

**TestAmerica Edison** 

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

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	Accepta	nce Limits
DCB Decachlorobiphenyl		121		50 - 150	
Tetrachloro-m-xylene		138		47 - 150	

Page 17 of 63

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%RecQualifierAcceptance LimitsDCB Decachlorobiphenyl12050 - 150Tetrachloro-m-xylene12647 - 150

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: Final Weight/Volume: 1.0 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, To	tal	450		10	76
Surrogate		%Rec	Qualifier	Accepta	ance Limits
DCP Decachlorohinhonyl		125		25 15	n

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

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 Date Received: 02/01/2017 1600 % Moisture: 12.3

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 50 mL Analysis Date: 02/05/2017 1848 Final Weight/Volume:

02/02/2017 2130 Prep Date:

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 RLMercury 0.25 0.013 0.019

Client: AKRF Inc Job Number: 460-127730-1

#### **General Chemistry**

Client Sample ID: CE-SP1-RMZB

Lab Sample ID: 460-127730-1 Date Sampled: 02/01/2017 1145

Client Matrix: Solid Date Received: 02/01/2017 1600

Analyte RLRLDil Result Qual Units Method Percent Moisture 12.3 % 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 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.
	В	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.
	Е	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.
	р	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**

Client: AKRF Inc Job Number: 460-127730-1

# **QC Association Summary**

		Report			
Lab Sample ID	Client Sample ID	Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-41767	2				
LB3 460-417672/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	5035	
460-127730-1	CE-SP1-RMZB	Т	Solid	5035	
Analysis Batch:460-41	7855				
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: 460-41771			0.151	0540	
<b>Prep Batch: 460-41771</b> _CS 460-417710/2-A	Lab Control Sample	Ţ	Solid	3546	
<b>Prep Batch: 460-41771</b> LCS 460-417710/2-A LCS 460-417710/3-A	Lab Control Sample Lab Control Sample	T	Solid	3546	
<b>Prep Batch: 460-41771</b> LCS 460-417710/2-A LCS 460-417710/3-A MB 460-417710/1-A	Lab Control Sample Lab Control Sample Method Blank	T T	Solid Solid	3546 3546	
Prep Batch: 460-41771 LCS 460-417710/2-A LCS 460-417710/3-A MB 460-417710/1-A 460-127477-E-3-A MS	Lab Control Sample Lab Control Sample Method Blank Matrix Spike	T T T	Solid Solid Solid	3546 3546 3546	
Prep Batch: 460-41771 LCS 460-417710/2-A LCS 460-417710/3-A MB 460-417710/1-A 460-127477-E-3-A MS 460-127477-E-3-B MSD	Lab Control Sample Lab Control Sample Method Blank Matrix Spike Matrix Spike Duplicate	T T T T	Solid Solid Solid Solid	3546 3546 3546 3546	
Prep Batch: 460-41771 LCS 460-417710/2-A LCS 460-417710/3-A MB 460-417710/1-A 460-127477-E-3-A MS	Lab Control Sample Lab Control Sample Method Blank Matrix Spike	T T T	Solid Solid Solid	3546 3546 3546	
Prep Batch: 460-41771 LCS 460-417710/2-A LCS 460-417710/3-A MB 460-417710/1-A 460-127477-E-3-A MS 460-127477-E-3-B MSD 460-127730-1 Analysis Batch:460-41	Lab Control Sample Lab Control Sample Method Blank Matrix Spike Matrix Spike Duplicate CE-SP1-RMZB	T T T T	Solid Solid Solid Solid Solid	3546 3546 3546 3546 3546	
Prep Batch: 460-41771 LCS 460-417710/2-A LCS 460-417710/3-A MB 460-417710/1-A 460-127477-E-3-A MS 460-127477-E-3-B MSD 460-127730-1 Analysis Batch:460-41 LCS 460-417710/2-A	Lab Control Sample Lab Control Sample Method Blank Matrix Spike Matrix Spike Duplicate CE-SP1-RMZB  7837 Lab Control Sample	T T T T	Solid Solid Solid Solid Solid	3546 3546 3546 3546	460-417710
Prep Batch: 460-41771  LCS 460-417710/2-A  LCS 460-417710/3-A  MB 460-417710/1-A  460-127477-E-3-A MS  460-127477-E-3-B MSD  460-127730-1  Analysis Batch:460-41  LCS 460-417710/2-A  LCS 460-417710/3-A	Lab Control Sample Lab Control Sample Method Blank Matrix Spike Matrix Spike Duplicate CE-SP1-RMZB  7837  Lab Control Sample Lab Control Sample	T T T T T	Solid Solid Solid Solid Solid Solid	3546 3546 3546 3546 3546 8270D 8270D	460-417710 460-417710
Prep Batch: 460-41771 LCS 460-417710/2-A LCS 460-417710/3-A MB 460-417710/1-A 460-127477-E-3-A MS 460-127477-E-3-B MSD 460-127730-1 Analysis Batch:460-41 LCS 460-417710/2-A	Lab Control Sample Lab Control Sample Method Blank Matrix Spike Matrix Spike Duplicate CE-SP1-RMZB  7837 Lab Control Sample	T T T T	Solid Solid Solid Solid Solid	3546 3546 3546 3546 3546 8270D	
Prep Batch: 460-41771  LCS 460-417710/2-A  LCS 460-417710/3-A  MB 460-417710/1-A  460-127477-E-3-A MS  460-127477-E-3-B MSD  460-127730-1  Analysis Batch:460-41  LCS 460-417710/2-A  LCS 460-417710/3-A	Lab Control Sample Lab Control Sample Method Blank Matrix Spike Matrix Spike Duplicate CE-SP1-RMZB  7837  Lab Control Sample Lab Control Sample Method Blank Matrix Spike	T T T T T	Solid Solid Solid Solid Solid Solid	3546 3546 3546 3546 3546 8270D 8270D	460-417710
Prep Batch: 460-41771  LCS 460-417710/2-A  LCS 460-417710/3-A  MB 460-417710/1-A  460-127477-E-3-A MS  460-127730-1  Analysis Batch: 460-41  LCS 460-417710/2-A  LCS 460-417710/3-A  MB 460-417710/1-A	Lab Control Sample Lab Control Sample Method Blank Matrix Spike Matrix Spike Duplicate CE-SP1-RMZB  7837  Lab Control Sample Lab Control Sample Method Blank	T T T T T T T T T T T T T T T T T T T	Solid Solid Solid Solid Solid Solid Solid Solid	3546 3546 3546 3546 3546 8270D 8270D 8270D	460-417710 460-417710

# Report Basis T = Total

Client: AKRF Inc Job Number: 460-127730-1

# **QC Association Summary**

Lab Camaria ID	Client Comple ID	Report Basis	Client Metric	Madlaad	Duan Datah
Lab Sample ID	Client Sample ID	Dasis	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	Т	Solid	3546	
460-127730-1	CE-SP1-RMZB	T	Solid	3546	
Prep Batch: 460-417830					
_CS 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	Т	Solid	3546	
460-127507-E-1-H MSD	Matrix Spike Duplicate	Т	Solid	3546	
460-127730-1	CE-SP1-RMZB	Т	Solid	3546	
Analysis Batch:460-417	932				
460-127730-1	CE-SP1-RMZB	T	Solid	8081B	460-417830
Analysis Batch:460-417	975				
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	Т	Solid	8082A	460-417826
460-127507-E-1-E MSD	Matrix Spike Duplicate	Т	Solid	8082A	460-417826
460-127730-1	CE-SP1-RMZB	Т	Solid	8082A	460-417826
Analysis Batch:460-418	193				
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	Т	Solid	8081B	460-417830
460-127507-E-1-H MSD	Matrix Spike Duplicate	Т	Solid	8081B	460-417830

# Report Basis T = Total

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	onent cample is		Onent matrix	Metriou	1 Tep Baten
Prep Batch: 460-417657					
	20LCS-Certified Reference Material	Т	Solid	7471B	
MB 460-417657/1-A	Method Blank	Ť	Solid	7471B	
460-127719-D-3-B DU	Duplicate	Ť	Solid	7471B	
460-127719-D-3-C MS	Matrix Spike	Ť	Solid	7471B	
460-127730-1	CE-SP1-RMZB	T	Solid	7471B	
Analysis Batch:460-41771	1				
-	20LCS-Certified Reference Material	Т	Solid	7471B	460-417657
MB 460-417657/1-A	Method Blank	Т	Solid	7471B	460-417657
460-127719-D-3-B DU	Duplicate	Т	Solid	7471B	460-417657
460-127719-D-3-C MS	Matrix Spike	Т	Solid	7471B	460-417657
460-127730-1	CE-SP1-RMZB	Т	Solid	7471B	460-417657
Prep Batch: 460-417854					
LCSSRM 460-417854/2-A ^4	4 LCS-Certified Reference Material	T	Solid	3050B	
MB 460-417854/1-A ^2	Method Blank	Т	Solid	3050B	
460-127697-A-2-G DU	Duplicate	Т	Solid	3050B	
460-127697-A-2-H MS	Matrix Spike	T	Solid	3050B	
460-127730-1	CE-SP1-RMZB	T	Solid	3050B	
Analysis Batch:460-41813	3				
LCSSRM 460-417854/2-A ^4	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
Daniert Danie					
Report Basis T = Total					
General Chemistry					
Analysis Batch:460-41770	7				
460-127719-D-6 DU	Duplicate	T	Solid	Moisture	
460-127730-1	CE-SP1-RMZB	Т	Solid	Moisture	
	•	=			

#### Report Basis

T = Total

Client: AKRF Inc Job Number: 460-127730-1

# **Surrogate Recovery Report**

## 8260C Volatile Organic Compounds by GC/MS

**Client Matrix: Solid** 

		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	%Rec	%Rec	%Rec	%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

Client: AKRF Inc Job Number: 460-127730-1

## **Surrogate Recovery Report**

#### 8270D Semivolatile Organic Compounds (GC/MS)

**Client Matrix: Solid** 

		TBP	FBP	2FP	NBZ	PHL	TPHL	
Lab Sample ID	Client Sample ID	%Rec	%Rec	%Rec	%Rec	%Rec	%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

Client: AKRF Inc Job Number: 460-127730-1

# **Surrogate Recovery Report**

#### 8081B Organochlorine Pesticides (GC)

**Client Matrix: Solid** 

		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	%Rec	%Rec	%Rec	%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** 

		DCBP1	DCBP2
Lab Sample ID	Client Sample ID	%Rec	%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

Acceptance Limits Surrogate 35-150

DCBP = DCB Decachlorobiphenyl

TestAmerica Edison

Client: AKRF Inc Job Number: 460-127730-1

#### Method: 8260C Neutral Leach or MeOH Extraction Blank - Batch: 460-417672 Preparation: 5035

Lab Sample ID: LB3 460-417672/1-A Analysis Batch: 460-417855 Instrument ID: CVOAMS9 Client Matrix: Prep Batch: Solid 460-417672 Lab File ID: K63735.D Dilution: 1.0 Leach Batch: N/A Initial Weight/Volume: 5 g Final Weight/Volume: 5 mL

Analysis Date: 02/03/2017 0320 Units: ug/Kg Prep Date: 02/02/2017 0708

Leach Date: N/A

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	Ü	1.1	5.0	
Benzene	0.20	Ü	0.20	1.0	
Bromoform	0.13	Ü	0.13	1.0	
Bromomethane	0.32	Ü	0.32	1.0	
Carbon disulfide	0.43	Ü	0.43	1.0	
Carbon tetrachloride	0.43	U	0.43	1.0	
Chlorobenzene	0.14	Ü	0.14	1.0	
Chlorobromomethane	0.17	U	0.17	1.0	
Chlorodibromomethane	0.15	Ü	0.15	1.0	
Chloroethane	0.35	Ü	0.35	1.0	
Chloroform	0.21	Ü	0.21	1.0	
Chloromethane	0.38	Ü	0.38	1.0	
cis-1,2-Dichloroethene	0.22	Ü	0.22	1.0	
cis-1,3-Dichloropropene	0.15	Ü	0.15	1.0	
Cyclohexane	0.46	Ü	0.46	1.0	
Dichlorobromomethane	0.38	Ü	0.38	1.0	
Dichlorodifluoromethane	0.32	Ü	0.32	1.0	
Ethylbenzene	0.18	Ü	0.18	1.0	
Ethylene Dibromide	0.12	Ü	0.12	1.0	
Isopropylbenzene	0.17	Ü	0.17	1.0	
Methyl acetate	0.90	Ü	0.90	5.0	
Methyl tert-butyl ether	0.17	Ü	0.17	1.0	
Methylcyclohexane	0.50	Ü	0.50	1.0	
Methylene Chloride	0.32	Ü	0.32	1.0	
m-Xylene & p-Xylene	0.11	Ü	0.11	1.0	
o-Xylene	0.16	Ü	0.16	1.0	
Styrene	0.15	Ü	0.15	1.0	
0.9.0.0	5.10	•	0.10	1.0	

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: Prep Batch: Solid 460-417672 Lab File ID: K63735.D Dilution: 1.0 Leach Batch: N/A Initial Weight/Volume: 5 g Final Weight/Volume: 5 mL Analysis Date: 02/03/2017 0320 Units: ug/Kg

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	3

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	

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

Prep Date: Leach Date: N/A

Analyte

Styrene

Analysis Batch: 460-417855 Instrument ID: CVOAMS9 Prep Batch: N/A Lab File ID: Leach Batch: N/A Initial Weight/Volume: 5 mL

K63734.D Final Weight/Volume: Analysis Date: 02/03/2017 0254 Units: ug/Kg 5 mL N/A Result Qual RL MDL 1,1,1-Trichloroethane 0.38 U 0.38 1.0 1.1.2.2-Tetrachloroethane 0.17 U 0.17 1.0

0.15

U

0.15

1.0

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

Prep Date: N/A 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	107	67 - 126	
Dibromofluoromethane (Surr)	100	61 - 149	
Toluene-d8 (Surr)	107	73 - 121	

Client: AKRF Inc Job Number: 460-127730-1

Lab Control Sample/ Method: 8260C
Lab Control Sample Duplicate Recovery Report - Batch: 460-417855 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 Final Weight/Volume: 02/03/2017 0101 Units: Analysis Date: ug/Kg 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: Prep Batch: N/A Lab File ID: K63731.D Solid 5 mL Dilution: 1.0 Leach Batch: N/A Initial Weight/Volume: Final Weight/Volume: Analysis Date: 02/03/2017 0127 Units: ug/Kg 5 mL Prep Date: N/A 5 mL

Leach Date: N/A

	9	<sup></sup> Rec. €					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
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		

Client: AKRF Inc Job Number: 460-127730-1

Lab Control Sample/ Method: 8260C
Lab Control Sample Duplicate Recovery Report - Batch: 460-417855 Preparation: N/A

LCS Lab Sample Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	ID: LCS 460-417855/3 Solid 1.0 02/03/2017 0101 N/A N/A	Prep I	sis Batch: Batch: Batch:	460-417855 N/A N/A ug/Kg			CVOAMS9 K63730.D 5 mL 5 mL 5 mL	1
LCSD Lab Sample Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	e ID: LCSD 460-417855/4 Solid 1.0 02/03/2017 0127 N/A N/A	Prep I	Batch:	460-417855 N/A N/A ug/Kg			CVOAMS9 K63731.D 5 mL 5 mL 5 mL	
		<u>%</u>	Rec.					
Analyte		LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ethylbenzene		104	101	79 - 124	3	30		
Ethylene Dibromic		98	98	80 - 122	0	30		
Isopropylbenzene		108	105	80 - 125	3	30		
Methyl acetate		97	99	73 - 123	2	30		
Methyl tert-butyl e		90	88	80 - 120	2	30		
Methylcyclohexan		97	95	71 - 137	2	30		
Methylene Chlorid		90	88	79 - 128	2	30		
m-Xylene & p-Xyle	ene	106	101	79 - 121	4	30		
o-Xylene		103	103	79 - 123	0	30		
Styrene		102	99	78 - 123	3	30		
Tetrachloroethene	9	101	100	73 - 130	2	30		
Toluene		104	102	75 - 122	2	30		
trans-1,2-Dichloro		95	92	80 - 129	4	30		
trans-1,3-Dichloro	propene	104	101	72 - 121	3	30		
Trichloroethene		95	93	79 - 122	2	30		
Trichlorofluoromet	thane	99	102	68 - 136	3	30		
Vinyl chloride		101	103	70 - 134	2	30		
Surrogate		L	CS % Rec	LCSD %	Rec	Accep	tance Limits	
1,2-Dichloroethan		9		100			8 - 135	
4-Bromofluorober			02	104			7 - 126	
Dibromofluoromet		9		98			1 - 149	
Toluene-d8 (Surr)		1	05	109		7:	3 - 121	

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

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

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
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	

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

Client Matrix: Dilution: 1.0

Analysis Date: 02/03/2017 0037 Prep Date: 02/02/2017 1028

Leach Date: N/A Analysis Batch: 460-417837 Prep Batch: 460-417710

Leach Batch: N/A Instrument ID: CBNAMS5 Lab File ID: x225426.D Initial Weight/Volume: 15.0000 g Final Weight/Volume: 1 mL

Units: ug/Kg Injection Volume: 1 uL

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	
,6-Dinitro-2-methylphenol	6670	6360	95	67 - 120	
I-Bromophenyl phenyl ether	3330	3310	99	59 - 122	
1-Chloro-3-methylphenol	3330	3550	106	62 - 111	
I-Chloroaniline	3330	2050	62	18 - 94	
1-Chlorophenyl phenyl ether	3330	3490	105	66 - 110	
I-Methylphenol	3330	3130	94	61 - 105	
I-Nitroaniline	3330	3260	98	49 - 118	
-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	

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 Client Matrix: Solid

Dilution: 1.0

Analysis Date: 02/03/2017 0037 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: x225426.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

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	% R	ec	Acc	ceptance Limits	
2,4,6-Tribromophenol (Surr)	137	7 *		10 - 103	
2-Fluorobiphenyl	102	2 *		38 - 95	
2-Fluorophenol (Surr)	93	*		25 - 92	
Nitrobenzene-d5 (Surr)	111	1 *		37 - 94	
Phenol-d5 (Surr)	103	*		32 - 91	
Terphenyl-d14 (Surr)	120	*		24 - 109	

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

 Client Matrix:
 Solid

 Dilution:
 1.0

 Analysis Date:
 02/03/2017 0100

 Prep Date:
 02/02/2017 1028

Analysis Batch: 460-417837
Prep Batch: 460-417710
Leach Batch: N/A
Units: ug/Kg

Instrument ID: CBNAMS5
Lab File ID: x225427.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 1 mL
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	% R	ec	Acc	ceptance 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	

Client: AKRF Inc Job Number: 460-127730-1

Matrix Spike/ Method: 8270D Matrix Spike Duplicate Recovery Report - Batch: 460-417710 Preparation: 3546

MS Lab Sample ID: 460-127477-E-3-A MS

Client Matrix: Dilution: 1.0

02/03/2017 0146 Analysis Date: Prep Date: 02/02/2017 1028

Leach Date: N/A

MSD Lab Sample ID: 460-127477-E-3-B MSD

Client Matrix: Solid Dilution: 1.0

Analysis Date: 02/03/2017 0209 Prep Date: 02/02/2017 1028

Leach Date: N/A

Instrument ID: CBNAMS5 Analysis Batch: 460-417837 Prep Batch: 460-417710 Lab File ID: x225429.D Leach Batch: N/A Initial Weight/Volume: 15.0145 g

Final Weight/Volume: 1 mL Injection Volume: 1 uL

Analysis Batch: 460-417837 Instrument ID: CBNAMS5 460-417710 Lab File ID: Prep Batch: x225430.D Leach Batch: N/A Initial Weight/Volume: 15.0201 g Final Weight/Volume: 1 mL

Injection Volume: 1 uL

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-Dimitrophenol       72       68       63 - 101       6       30       *       U *         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-Chlorophenol       67       62       62 - 97       8       30         2-Methylna		%	Rec.					
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-Dinchlorophenol       67       64       61 - 103       6       30       *       *       *         2,4-Dinitrophenol       72       68       63 - 101       6       30       *       U *         2,4-Dinitrotoluene       102       96       66 - 122       NC       30       *       U *         2,6-Dinitrotoluene       90       85       70 - 114       6       30       *       U *         2-Chlorophenol       67       62       62 - 97       8       30       *       *         2-Methylphaphthalene       78       73       65 - 104       7       30       *       *         2-Nitroaniline	Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
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-Dimitrophenol       72       68       63 - 101       6       30       *       U *         2,4-Dinitrophenol       8       0       56 - 122       NC       30       *       U *         2,4-Dinitrotoluene       102       96       66 - 122       5       30       *       U *         2,6-Dinitrotoluene       90       85       70 - 114       6       30       *       *       U *         2-Chlorophenol       67       62       62 - 97       8       30       *       *       *         2-Methylphenol       76       72       61 - 103       6       30       *       *	1,1'-Biphenyl	77	73	64 - 108	5	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-Dimitrophenol       72       68       63 - 101       6       30       *       U *         2,4-Dinitrophenol       8       0       56 - 122       NC       30       *       U *         2,4-Dinitrotoluene       102       96       66 - 122       5       30       *       U *         2,6-Dinitrotoluene       90       85       70 - 114       6       30       *       *       U *         2,6-Dinitrotoluene       76       72       63 - 107       6       30       *       *       *         2-Chlorophenol       67       62       62 - 97       8       30       *       *       *         2-Methylphenol       76       72       61 - 103       6       30       * </td <td>1,2,4,5-Tetrachlorobenzene</td> <td>76</td> <td>71</td> <td>57 - 112</td> <td>8</td> <td>30</td> <td></td> <td></td>	1,2,4,5-Tetrachlorobenzene	76	71	57 - 112	8	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       *       U *         2,6-Dinitrotoluene       90       85       70 - 114       6       30       *       *       U *         2,6-Dinitrotoluene       76       72       63 - 107       6       30       *       *       *         2,6-Dinitrotoluene       76       72       63 - 107       6       30       *       *       *         2-Chlorophenol       67       62       62 - 97       8       30       *       *       *         2-Methylphenol       76       72       61 - 103       6       30       *       *       *         2-Nitrophenol       55       <	2,2'-oxybis[1-chloropropane]	89	83	39 - 122	8	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       *       U *         2,4-Dinitrotoluene       90       85       70 - 114       6       30       *       *       U *         2,6-Dinitrotoluene       90       85       70 - 114       6       30       *       *       *         2,6-Dinitrotoluene       76       72       63 - 107       6       30       *       *       *         2-Chlorophenol       67       62       62 - 97       8       30       *       *       *         2-Methylphenol       76       72       61 - 103       6       30       *       *       *         2-Nitroaniline       95       89       57 - 114       6       30       *       *       *         3,3'-Dichlorobenz	2,3,4,6-Tetrachlorophenol	58	51	60 - 114	13	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       *       U *         2,6-Dinitrotoluene       90       85       70 - 114       6       30       *       *       *         2,6-Dinitrotoluene       76       72       63 - 107       6       30       *       *       *         2,6-Dinitrotoluene       76       72       63 - 107       6       30       *       *       *         2-Chlorophenol       67       62       62 - 97       8       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       *       *       *     <	2,4,5-Trichlorophenol	60	57	60 - 106	4	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       *       * <td>2,4,6-Trichlorophenol</td> <td>70</td> <td>63</td> <td>62 - 110</td> <td>10</td> <td>30</td> <td></td> <td></td>	2,4,6-Trichlorophenol	70	63	62 - 110	10	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       *       *       *	2,4-Dichlorophenol	67	64	61 - 103	6	30		
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       *       *	2,4-Dimethylphenol	72	68	63 - 101	6	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       *       *	2,4-Dinitrophenol	8	0	56 - 122	NC	30	*	U *
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       *       *	2,4-Dinitrotoluene	102	96	66 - 122	5	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       *       *	2,6-Dinitrotoluene	90	85	70 - 114	6	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       *       *	2-Chloronaphthalene	76	72	63 - 107	6	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       *       *	2-Chlorophenol	67	62	62 - 97	8	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       *       *	2-Methylnaphthalene	78	73	65 - 104	7	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       *       *	2-Methylphenol	76	72	61 - 103	6	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       *       *	2-Nitroaniline	95	89	57 - 114	6	30		
3-Nitroaniline 72 70 30 - 94 3 30 4,6-Dinitro-2-methylphenol 18 9 67 - 120 73 30 * *	2-Nitrophenol	55	48	65 - 104	14	30	*	*
4,6-Dinitro-2-methylphenol 18 9 67 - 120 73 30 * *	3,3'-Dichlorobenzidine	73	71	18 - 88	3	30		
	3-Nitroaniline	72	70	30 - 94	3	30		
4 Boundard Laboratoria (1997)	4,6-Dinitro-2-methylphenol	18	9	67 - 120	73	30	*	*
4-Bromophenyi phenyi ether /4 /2 59 - 122 3 30	4-Bromophenyl phenyl ether	74	72	59 - 122	3	30		
4-Chloro-3-methylphenol 87 84 62 - 111 4 30	4-Chloro-3-methylphenol	87	84	62 - 111	4	30		
4-Chloroaniline 48 49 18 - 94 0 30	4-Chloroaniline	48	49	18 - 94	0	30		
4-Chlorophenyl phenyl ether 87 85 66 - 110 2 30	4-Chlorophenyl phenyl ether	87	85	66 - 110	2	30		
4-Methylphenol 73 70 61 - 105 5 30	4-Methylphenol	73	70	61 - 105	5	30		
4-Nitroaniline 86 79 49 - 118 9 30	4-Nitroaniline	86	79	49 - 118	9	30		
4-Nitrophenol 85 76 43 - 141 11 30	4-Nitrophenol	85	76	43 - 141	11	30		
Acenaphthene 75 73 62 - 108 2 30	-	75	73	62 - 108	2	30		
Acenaphthylene 80 76 67 - 107 5 30		80	76	67 - 107	5	30		
Acetophenone 81 75 60 - 109 8 30		81	75	60 - 109	8	30		
Anthracene 75 74 69 - 111 2 30	· · · · · · · · ·	75	74	69 - 111	2	30		
Atrazine 84 79 62 - 137 7 30	Atrazine	84	79	62 - 137	7	30		

CBNAMS5

Client: AKRF Inc Job Number: 460-127730-1

Matrix Spike/ Method: 8270D
Matrix Spike Duplicate Recovery Report - Batch: 460-417710 Preparation: 3546

MS Lab Sample ID: 460-127477-E-3-A MS Analysis Batch: 460-417837 Instrument ID: Client Matrix: Solid Prep Batch: 460-417710 Lab File ID:

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

 Analysis Date:
 02/03/2017 0146
 Final Weight/Volume:
 1 mL

 Prep Date:
 02/02/2017 1028
 Injection Volume:
 1 uL

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

	<u>%</u> R	ec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
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	*	*

32 - 91

24 - 109

Client: AKRF Inc Job Number: 460-127730-1

Matrix Spike/ Method: 8270D

Matrix Spike Duplicate Recovery Report - Batch: 460-417710 Preparation: 3546

Instrument ID: MS Lab Sample ID: 460-127477-E-3-A MS Analysis Batch: 460-417837 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 Final Weight/Volume: Analysis Date: 02/03/2017 0146 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: Lab File ID: Solid Prep Batch: 460-417710 x225430.D Dilution: Leach Batch: Initial Weight/Volume: 1.0 N/A 15.0201 g Analysis Date: 02/03/2017 0209 Final Weight/Volume: 1 mL

 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

82

90

Phenol-d5 (Surr)

Terphenyl-d14 (Surr)

% Rec. Analyte MS **MSD** Limit **RPD RPD Limit** MS Qual MSD Qual Phenanthrene 75 74 68 - 111 1 30 Phenol 77 73 58 - 103 5 30 76 72 64 - 121 5 30 Pyrene Surrogate MS % Rec MSD % Rec Acceptance Limits 2,4,6-Tribromophenol (Surr) 94 10 - 103 86 2-Fluorobiphenyl 82 76 38 - 95 2-Fluorophenol (Surr) 70 64 25 - 92 Nitrobenzene-d5 (Surr) 88 81 37 - 94

74

Client: AKRF Inc Job Number: 460-127730-1

#### Method Blank - Batch: 460-417830

DCB Decachlorobiphenyl

Tetrachloro-m-xylene

Method: 8081B Preparation: 3546

50 - 150

47 - 150

				• • •	cparation. 5546		
Lab Sample ID: Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	MB 460-417830/1-A Solid 1.0 02/06/2017 1058 02/02/2017 2158 N/A	Analysis Batch: Prep Batch: Leach Batch: Units:	460-418193 460-417830 N/A ug/Kg	La Init Fir Inje	strument ID: b File ID: tial Weight/Volume: nal Weight/Volume: ection Volume: olumn ID:	CPESTGC4 P4201426.D 15.0000 g 10 mL 1 uL PRIMARY	
Analyte		Resi	ult	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	ı	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	i	U	0.65	2.0	
Chlordane (techn	ical)	30		U	30	67	
delta-BHC	•	0.73	i	U	0.73	2.0	
Dieldrin		0.87	ı.	U	0.87	2.0	
Endosulfan I		0.93	i	U	0.93	6.7	
Endosulfan II		1.1		U	1.1	6.7	
Endosulfan sulfat	e	0.78		U	0.78	6.7	
Endrin		0.85		U	0.85	6.7	
Endrin aldehyde		0.83	i	U	0.83	6.7	
Endrin ketone		0.93	i	U	0.93	6.7	
gamma-BHC (Lin	dane)	0.60	1	U	0.60	2.0	
Heptachlor		0.86	i	U	0.86	6.7	
Heptachlor epoxic	de	1.3		U	1.3	6.7	
Methoxychlor		1.4		U	1.4	6.7	
Toxaphene		20		U	20	67	
Surrogate			Rec		Acceptance Lin	nits	
DCB Decachlorob	oiphenyl		19		50 - 150		
Tetrachloro-m-xyl	ene	1	27		47 - 150		
Surrogate		%	Rec		Acceptance Lin	nits	

111

Client: AKRF Inc Job Number: 460-127730-1

#### Lab Control Sample - Batch: 460-417830

Method: 8081B Preparation: 3546

Lab Sample ID: Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	LCS 460-417830/2-A Solid 1.0 02/06/2017 1112 02/02/2017 2158 N/A	Analysis Batch: Prep Batch: Leach Batch: Units:	460-418193 460-417830 N/A ug/Kg	Instrument II Lab File ID: Initial Weigh Final Weight Injection Vol Column ID:	t/Volume: :/Volume:	CPESTGC4 P4201427.D 15.0000 g 10 mL 1 uL 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	е	133	157	118	62 -	123	
Endrin		133	145	109	58 -	126	

162

167

156

153

Heptachlor epoxide	133	156	117	64 - 125
Methoxychlor	133	136	102	56 - 123
Surrogate		% Rec	Д	cceptance Limits
DCB Decachlorobiphenyl		133		50 - 150
Tetrachloro-m-xylene		144		47 - 150

133

133

133

133

#### Lab Control Sample - Batch: 460-417830

Endrin aldehyde

gamma-BHC (Lindane)

Endrin ketone

Heptachlor

Method: 8081B Preparation: 3546

69 - 131

62 - 125

67 - 126

63 - 125

121

125

117

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

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	% R	ec	Aco	ceptance Limits	
DCB Decachlorobiphenyl	12	0		50 - 150	
		_			

Client: AKRF Inc Job Number: 460-127730-1

Matrix Spike/ Method: 8081B
Matrix Spike Duplicate Recovery Report - Batch: 460-417830 Preparation: 3546

MS Lab Sample II Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	D: 460-127507-E-1-G MS Solid 1.0 02/06/2017 1124 02/02/2017 2158 N/A	Pre	lysis Batch: o Batch: ch Batch:	460-418193 460-417830 N/A	Final We	ID: eight/Volume: eight/Volume: Volume:	CPESTGO P4201428 15.0106 10 mL 1 uL PRIMARY	.D g
MSD Lab Sample Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	ID: 460-127507-E-1-H MSE Solid 1.0 02/06/2017 1138 02/02/2017 2158 N/A	Pre	lysis Batch: o Batch: ch Batch:	460-418193 460-417830 N/A	Final We	ID: eight/Volume: eight/Volume: Volume:	CPESTGO P4201429 15.0110 10 mL 1 uL PRIMARY	.D g
		<u>%</u>	Rec.					
Analyte		MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
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	9	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 (Line	dane)	100	106	67 - 126	194	30		*
Heptachlor		105	105	63 - 125	194	30		*
Heptachlor epoxid	le	107	106	64 - 125	194	30		*
Methoxychlor		105	95	56 - 123	194	30		*
Surrogate			MS % Rec		% Rec	Acce	eptance Lim	its
DCB Decachlorob			2	* p 122		_	0 - 150	

135

47 - 150

Tetrachloro-m-xylene

Client: AKRF Inc Job Number: 460-127730-1

Matrix Spike/ Method: 8081B
Matrix Spike Duplicate Recovery Report - Batch: 460-417830 Preparation: 3546

MS Lab Sample II Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	D: 460-127507-E-1-G MS Solid 1.0 02/06/2017 1124 02/02/2017 2158 N/A	Pre	alysis Batch: ep Batch: ach Batch:	460-418193 460-417830 N/A	Final We	ID: eight/Volume: eight/Volume: Volume:	CPESTGO P4201428 15.0106 10 mL 1 uL SECONDA	g g
MSD Lab Sample Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	ID: 460-127507-E-1-H MS Solid 1.0 02/06/2017 1138 02/02/2017 2158 N/A	Pre	alysis Batch: ep Batch: ach Batch:	460-418193 460-417830 N/A	Final We	ID: eight/Volume: eight/Volume: Volume:	CPESTGO P4201429 15.0110 10 mL 1 uL SECONDA	.D g
A male da		_	6 Rec.	1::4	DDD	DDD Limit	MOOUL	MODO
Analyte		MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
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	e	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 (Line	dane)	2	101	67 - 126	1	30	* p	
Heptachlor		2	101	63 - 125	4	30	J * p	
Heptachlor epoxic	le	2	99	64 - 125	8	30	J * p	
Methoxychlor		2	94	56 - 123	12	30	J * p	
Surrogate			MS % Rec	MSD %	% Rec	Acce	eptance Lim	its

117

132

50 - 150

47 - 150

142

125

DCB Decachlorobiphenyl

Tetrachloro-m-xylene

Client: AKRF Inc Job Number: 460-127730-1

Method Blank - Batch: 460-417826 Method: 8082A Preparation: 3546

					•	
Lab Sample ID: Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	MB 460-417826/1-A Solid 1.0 02/03/2017 1530 02/02/2017 2054 N/A	Analysis Batch: Prep Batch: Leach Batch: Units:	460-417975 460-417826 N/A ug/Kg	Lab Initia Fina Injec	ument ID: File ID: Il Weight/Volume: I Weight/Volume: tion Volume: mn ID:	CPESTGC11 T1339407.D 15.0000 g 10 mL 1 uL PRIMARY
Analyte		Res	ult	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 b	iphenyls, Total	9.2		U	9.2	67
Surrogate		%	Rec		Acceptance Lin	nits
DCB Decachlorob	piphenyl	1	39		35 - 150	
Surrogate		%	Rec		Acceptance Lin	nits
DCB Decachlorob	piphenyl	1	34		35 - 150	

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 Client Matrix: Solid Dilution: 1.0 Analysis Date: 02/03/2017 1545 Prep Date:

02/02/2017 2054

Leach Date: N/A

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

Units: ug/Kg Instrument ID: CPESTGC11 Lab File ID: T1339408.D Initial Weight/Volume: 15.0000 g Final Weight/Volume: 10 mL Injection Volume: 1 uL Column ID: **PRIMARY** 

Analyte Spike Amount Result % Rec. Limit Qual Aroclor 1016 333 444 133 77 - 150 333 467 140 79 - 150 Aroclor 1260 % Rec Surrogate 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 Client Matrix: Solid Dilution: 1.0

Analysis Date: 02/03/2017 1545 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: T1339408.D Initial Weight/Volume: 15.0000 g Final Weight/Volume: 10 mL

Injection Volume: 1 uL

Column ID: **SECONDARY** 

% Rec. Analyte Spike Amount Result 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

Acceptance Limits

35 - 150

Client: AKRF Inc Job Number: 460-127730-1

Matrix Spike/ Method: 8082A
Matrix Spike Duplicate Recovery Report - Batch: 460-417826 Preparation: 3546

MS Lab Sample II Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	D: 460-127507-E-1-D MS Solid 1.0 02/03/2017 1614 02/02/2017 2054 N/A	Prep	lysis Batch: ) Batch: ch Batch:	460-417 460-417 N/A		Final We	ID: eight/Volume: eight/Volume: volume:	CPESTGO T1339410 15.0113 10 mL 1 uL PRIMARY	.D g
MSD Lab Sample Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	ID: 460-127507-E-1-E MSD Solid 1.0 02/03/2017 1629 02/02/2017 2054 N/A	Prep	lysis Batch: b Batch: ch Batch:	460-417 460-417 N/A	-	Final We	ID: eight/Volume: eight/Volume: volume:	CPESTGO T1339411 15.0110 10 mL 1 uL PRIMARY	.D g
		%	Rec.						
Analyte		MS	MSD	Limit		RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016		221	135	77 - 1	50	49	30	E *	*
Aroclor 1260		176	144	79 - 1	50	15	30	*	
Surrogate			MS % Rec	;	MSD %	Rec	Acce	eptance Lim	its
DCB Decachlorob	iphenyl		170	*	144		3	5 - 150	

Matrix Spike/ Method: 8082A
Matrix Spike Duplicate Recovery Report - Batch: 460-417826 Preparation: 3546

Surrogate

DCB Decachlorobiphenyl

MS Lab Sample II Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	D: 460-127507-E-1-D MS Solid 1.0 02/03/2017 1614 02/02/2017 2054 N/A	Prep	vsis Batch: Batch: n Batch:	460-417975 460-417826 N/A	Final We	ID: eight/Volume: eight/Volume: volume:	CPESTGO T1339410 15.0113 10 mL 1 uL SECONDA	.D g
MSD Lab Sample Client Matrix: Dilution: Analysis Date: Prep Date: Leach Date:	ID: 460-127507-E-1-E MS Solid 1.0 02/03/2017 1629 02/02/2017 2054 N/A	Prep	rsis Batch: Batch: n Batch:	460-417975 460-417826 N/A	Final We	ID: eight/Volume: eight/Volume: volume:	CPESTGO T1339411 15.0110 10 mL 1 uL SECONDA	.D g
Analyte Aroclor 1016 Aroclor 1260		% F MS 154 167	Rec. MSD 134 146	Limit 77 - 150 79 - 150	RPD 14 19	RPD Limit 30 30	MS Qual	MSD Qual

MSD % Rec

141

MS % Rec

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         Aluminum       10.3         Antimony       0.79         Arsenic       0.49         Barium       0.72         Beryllium       0.17         Cadmium       0.21         Calcium       29.6         Chromium       0.48         Cobalt       0.58         Copper       0.65         Iron       11.3         Lead       0.39         Magnesium       25.0	Qual	MDL	RL
Antimony       0.79         Arsenic       0.49         Barium       0.72         Beryllium       0.17         Cadmium       0.21         Calcium       29.6         Chromium       0.48         Cobalt       0.58         Copper       0.65         Iron       11.3         Lead       0.39		10.0	
Arsenic       0.49         Barium       0.72         Beryllium       0.17         Cadmium       0.21         Calcium       29.6         Chromium       0.48         Cobalt       0.58         Copper       0.65         Iron       11.3         Lead       0.39		10.3	20.0
Barium       0.72         Beryllium       0.17         Cadmium       0.21         Calcium       29.6         Chromium       0.48         Cobalt       0.58         Copper       0.65         Iron       11.3         Lead       0.39	U	0.79	2.0
Beryllium       0.17         Cadmium       0.21         Calcium       29.6         Chromium       0.48         Cobalt       0.58         Copper       0.65         Iron       11.3         Lead       0.39	U	0.49	1.5
Cadmium       0.21         Calcium       29.6         Chromium       0.48         Cobalt       0.58         Copper       0.65         Iron       11.3         Lead       0.39	U	0.72	20.0
Calcium       29.6         Chromium       0.48         Cobalt       0.58         Copper       0.65         Iron       11.3         Lead       0.39	U	0.17	0.20
Chromium       0.48         Cobalt       0.58         Copper       0.65         Iron       11.3         Lead       0.39	U	0.21	0.40
Cobalt       0.58         Copper       0.65         Iron       11.3         Lead       0.39	U	29.6	500
Copper       0.65         Iron       11.3         Lead       0.39	U	0.48	1.0
Iron 11.3 Lead 0.39	U	0.58	5.0
Lead 0.39	U	0.65	2.5
	U	11.3	15.0
Magnosium 25.0	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

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-Analysis Batch:

460-418133

Instrument ID: ICP5

Client Matrix:

Prep Batch: 460-417854

Lab File ID: 418120D1.asc

Dilution: Analysis Date: 4.0 02/05/2017 1332 Leach Batch: N/A mg/Kg Units:

Initial Weight/Volume: 1.01 g Final Weight/Volume: 50 mL

Prep Date:

02/02/2017 2130

Leach Date: N/A

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	

Client: AKRF Inc Job Number: 460-127730-1

Units:

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 Instrument ID: ICP5

Prep Batch: 460-417854 Lab File ID: 418120D1.asc Leach Batch: N/A Initial Weight/Volume: 1.25 g

ch: N/A Initial Weight/Volume: 1.25 g mg/Kg Final Weight/Volume: 50 mL

Analyte	Sample Res	sult/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	Ν
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

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

Leach Batch: N/A Initial Weight/Volume: 1.31 g
Units: mg/Kg Final Weight/Volume: 50 mL

Analyte	Sample Res	Sample Result/Qual		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	

Client: AKRF Inc Job Number: 460-127730-1

Method Blank - Batch: 460-417657

Method: 7471B Preparation: 7471B

Lab Sample ID: Instrument ID: MB 460-417657/1-A Analysis Batch: 460-417711

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

Units: Final Weight/Volume: Analysis Date: 02/02/2017 0947 mg/Kg 50 mL

Prep Date: 02/02/2017 0517

N/A

N/A

Leach Date: N/A

Leach Date:

Leach Date:

Analyte Result Qual MDL RL U 0.011 0.017 Mercury 0.011

LCS-Certified Reference Material - Batch: 460-417657 Method: 7471B Preparation: 7471B

Lab Sample ID: LCSSRM 460-417657/2-F Analysis Batch: 460-417711 Instrument ID: LEEMAN5

Client Matrix: Prep Batch: 460-417657 Lab File ID: 417656HG1.PRN Solid Dilution: 20 Leach Batch: Initial Weight/Volume: 0.60 g N/A

Analysis Date: 02/02/2017 0949 Units: mg/Kg Final Weight/Volume: 50 mL

Prep Date: 02/02/2017 0517

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

Method: 7471B Matrix Spike - Batch: 460-417657 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

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

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 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

Dilution: 1.0 Leach Batch: N/A Initial Weight/Volume: 0.64 g
Analysis Date: 02/02/2017 0953 Units: mg/Kg Final Weight/Volume: 50 mL

Prep Date: 02/02/2017 0953 Units: mg/kg Final Weight/Volume: 50 r

Leach Date:

N/A

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:

Analysis Date: 02/02/2017 1001 Units: % Final 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

# TestAmerica

CHAIN OF CLISTODY / ANALYSIS RECLIEST

777 New Durham Road Edison, New Jersey 08817 Phone: (732) 549-3900 Fax: (732) 549-3679

EADER IN ENVIRONMENTAL TESTING	COSTODY / ANALTSIS
LEAS CUENZ	MARG SALLETTA Flushing Individ Co
AKAF, INC	P. O. # State (Location of site): NJ: NY: Other:  Regulatory Program: NY S NEC DER 10
440 PANK AVE SOUTH IM Floor	NTER "X: BELOW TO INDICATE REQUEST)
Now York NY 10016	ALS (B) (E) (E) (B)
hone 203) 810-6513 (814) 949-7559	Other VOC
i i	TAL TAL TAL PC
CE-SP1-RHZB 2/1/7	X X X X X X X X X X X X X X X X X X X
	SHORT
	HOLD HOLD
Preservation Used: $(1 = ICE_x)2 = HCI$ , $3 = H_2SO_4$ , $4 = HNO_3$	, 5 = NaOH Soil: Natar:
Special Instructions Category A Dal	Worter Mately Ellipsod (Verilla)
2 Company	Date / Time Received by
Balleno	MC 02/01/17 14:30 11 ( T.M.
Relinquished by Company	Date / Time Repeated by $1/2$ / $1/3$ / $1/3$ / $1/3$ / $1/3$ / $1/3$ / $1/3$ / $1/3$ / $1/3$ / $1/3$ / $1/3$ / $1/3$ / $1/3$
Relinquished by Company	Received by Cor
3)	3)
Relinquished by Company	Date / Time Received by Company
	4)
Laboratory Certifications: New Jersey (12028), New	0200), F
Massachusetts (M-NJ312), North Carolina (No. 578)	2. 5/2. TRB8 WORL

Initials:

Preservative Name/Conc.:

Lot # of Preservative(s).

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Volume of Preservative used (ml):

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

## Receipt Temperature and pH Log TestAmerica Edison

Job Number: Number of Coolers: Cooler Temperatures

	Ammonia	COD	Nitrate Nitrite	* Metals	Hardness	Pest	EPH or QAM	Phenols Sulfide	Sulfide	TKN	700	Total Cyanide	Total Cyanide Total Phos Other	Other	Other
TALS Sample Number	(pH<2)	(pH<2)	(pH<2)	(pH<2)	(pH<2)	(pH 5-9)	(pH<2)	(pH<2)	(pH>9)	(pH<2)	(pH<2)	(pH>12)	(pH<2)		
-														٠.	
	-									İ					
		,													
				,											
, 															
													_		
	lf pH adju	stments	If pH adjustments are required record the information below:	red record	d the info	mation be	elow:	ļ					ļ		
Sample No(s). adjusted:	. adjusted:							-							

Page 62 of 63

. 으

#### **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 = background as measured by a survey meter.</td <td>N/A</td> <td></td>	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 <6mm (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.

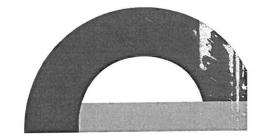
Please provide the approval number when scheduling and include the approval number on all manifests when shipping soils generated from this site. CEC can only accept Non Hazardous petroleum impacted soils. Any soils with free petroleum product or liquids, sludge's, or hazardous waste cannot be accepted. 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





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:

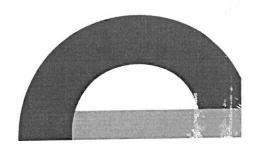
Clean Earth of Carteret, LLC. (CEC) has received and reviewed the analysis, sampling map and material profile sheet for soil to be excavated at the above referenced site. This letter serves as approval for 1000 tons of Non-hazardous petroleum contaminated soil/ urban fill.

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





#### State of New Jersey

CHRIS CHRISTIE

KIM GUADAGNO

Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BOB MARTIN Commissioner

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 Watsøn, Chief

Bureau of Recycling & Hazardous Waste Management

March 7, 2017

**Expiration Date** 



#### 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

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 <a href="mailto:nicholas.nader@dep.ni.gov">nicholas.nader@dep.ni.gov</a>.

Very Truly Yours,

Mishamman Klassini 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 o		Tickets	7000005855		
.24 Middlesex			Date	Time	Scale
Carteret, NJ			2/24/2017		
Ph: (732) 541	-8909 Fax: (732) 541-8105	UUS	2/24/2017	15:00:21	
Manifest: Vehicle ID: Vehicle Permit: Customer:	07MCB7	Tare:	Lbs 89640 28140 61500	14.82 14.87	
	· · · · · · · · · · · · · · · · · · ·	Lity Approval#:	173070185		
Generator:	C E Flushing LP - c/o One	Job Names	C. G. Flusi	ning c/o	Onex / C.
nen Hoaress:	40-24 College Point Blvd				Blvd
•	Suite F616		Flushing, 1	VY 11354	
rigin	Flushing, NY 11354	•		-	
F A 52 A 1 1	Materials & Services		Quantity	Unit -	
lueens Contamin	Soil Treatment Type II wate Type: 2 Oil	one was and the few was man man have been also and was a few or the few of th	30.75	This	ear transfer folder store of and object 200 objects who a
Treatm Fac Wa	ent Type: Bio ste Code: Petroleus Contaminate Not Applicable		·		
Comment:	itur erppatumen				
Marie de la Secretaria de la companya del companya della companya	annonprocession (PPI) (177-77) annon-annosymu (million) (12) (177-17) anno-annosymu (million) (12) (177-17) anno-anno-anno-anno-anno-anno-anno-anno	The state of the s	الله الله الله الله الله الله الله الله	nat Turke ( M. Frigiya's d' 1173 to 1881 de 1882) kasa esta esta esta esta esta esta esta e	d to Olivolyte
	•	day of the state o	bson, Barry	;	



GLOBAL JOB NUMBER: 143909 FACILITY APPROVAL NUMBER: 1730 70/	Ar
Please Check One:	
Clean Earth of Carteret	ington
□ Clean Earth of Philadelphia□ Clean Earth of North Jersey□ Clean Earth of Southeast Pennsylvania□ Other3201 S. 61st Street115 Jacobus Avenue7 Steel Road EastPhiladelphia, PA 19153Kearny, NJ 07032Morrisville, PA 19067Ph: 215-724-5520Ph: 973-344-4004Ph: 215-428-1700	
Non-Hazardous Material Manifest	
(Type or Print Clearly)	
GENERATOR'S NAME & SITE ADDRESS:  GROSS WEIGHT:	İ
Freshing 1P-C/O Cher Part Trons Yards	
TARE WEIGHT:	İ
Tons Yards	
GENERATOR'S PHONE: 17/2 - 997 - 57/2 NET WEIGHT: Tons Yards	
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION	
R778-4/B 6-35 F 6/6-6	
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 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 40 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.	49
Name: MARO RACCETTA Title: As pount lon CE, Flacks of	
Signature: Date and Time:	
TRANSPORTER	
Company: Phone Number:	
Address: A = 1.1.6 1.1.6 1.1.6 1.1.6 III Truck # and License Plate: A = 1.7.1.6	
Driver: 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:	
DESTINATION	
I hereby certify that the above named material was delivered without incident to the facility noted above.	.
Driver Signature: Date and Time: 2/20/17.	
I hereby certify that the above named material has been accepted at the above referenced facility.	
Authorized Signature: Date and Time:	

en a terminal de la companya de la companya de la companya de la companya de la companya de la companya de la c				
Clean Earth of Carteret 24 Middlesex Avenue Carteret, NJ 07008 Ph: (732) 541-8909 Fax: (732) 541-8105	Security Sec	7000005855 Date 2/24/2017 2/24/2017	Time 14:43:49	Scale Scale OE P.T.
Manifest: 1429197 Vehicle ID: 07URIEL10 Vehicle Permit: Customer: SKY VIEW PARC II LP	Tares	Lbs 79450 28400 51060	14.20	
Generator: C E Flushing LP - c/o One Gen Address: 40-24 College Point Blvd Suite F616 Flushing, NY 11354 Origin Materials & Services	ity Approval#: Job Name: Job Address:	State and the state of the stat	yge Point IY 11354	Onex / C. Blvd
Queens Soil Treatment Type II Contaminate Type: 2 Oil Treatment Type: Bio Fac Waste Code: Petroleum Contaminated Storage Area: Not Applicable Comment:	Soll		1 Ft 65	- The second sec
	Facility:	Мен устару надамительности под и размеруйского междуницем при устанувация устанувация.		
	G: Enerator	ibson, Barry		



GLOBAL JOB NUMBER	: 143909	FACILITY APPROVAL NUM	BER: <u>  7307018</u>
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-Hazar	dous Material Manifest	
(Type or Print Clearly)			
GENERATOR'S NAME & SI		GROSS WEIGHT:	
CE Walang 41	9-6/0 Onix	Park FATTons Yards	
40-22/194	291 Birt Olic	TARE WEIGHT:	
- Flishing	d NY	Tons Yards	
GENERATOR'S PHONE:	<u> </u>	NET WEIGHT:	
DESCRIPTION OF MATER	IAL/SAMPLE ID AND LO	CATION	
	71/2 024	) / 5/ 0 6	<i>f</i> *
GENERATOR'S CERTIFIC	ATION – Incomplete and/or	unsigned manifests will cause the load to b	e delayed and/or rejected.
is not a hazardous waste as de	efined by 40 CFR Part 261 or ble state law, has been fully an	attain free liquid as defined by 40 CFR Part any applicable state law, is not a DOT hazard accurately described above, classified, part al regulations.	ardous substance as defined by 49
Name: HARGO G	ALLETA	Title: A APLIA	CF 74.25.216
Signature:		Date and Time 52 /2 &	112 13:16:2
Of the second se	Land Committee of the C		function of the second of the
TRANSPORTER Company:		Phone Number: \( \begin{aligned} \frac{373}{9} \end{aligned} \]	022043
Address: 275 Ma	MST	Truck # and License Plate: //	4277 X
Driver:	oe or Print Clearly)	SW Haulers Permit #:	(applicable state permit #)
\ ` · · ·	•	ned material was picked up at the site listed	
- Commence of the commence of	•	Date and Time: 0 2/2	S/17 12:55
<u>DESTINATION</u>		S	
	that the above somed sectoric	I was delivered without incident to the first	lity noted above
	Access on Parisons	l was delivered without incident to the faci	my noted above.
Driver Signature:	ortify that the above named ma	Date and Time: 22 24 aterial has been accepted at the above refere	enced facility.
Authorized Signature:	A Committee of the second of t	Date and Time:	- Commontant
Transitized Signature.			

		•		
Clean Earth of Carteret	Tickets	7000005055	43	
-24 Middlesex Avenue		Date	Time	Scale
Carteret, NJ 07008	Ī ii i	2/24/2017		
Ph: (732) 541-8909 Fax: (732) 541-8105		2/24/2017		
Manifest: 1429196 Vehicle ID: 07URIEL5 Jehicle Permit:	Fare:	Lbs 87328 29480 57840	43.55 14.74	
Customer: SKY VIEW PARC II LP	The state of the s	A POST DAY AND DAY AND AND AND AND		
racı. Generator: C E Flushing LP - c/o One Gen Address: 40-24 College Point Blvd Suite F616 Flushing, NY 11354 rigin Materials & Services	Job Address:	C. E. Flus	ege Point NY 11354	Onex / C. Blvd
beens Soil Treatment Type II	the company with the common property of the company		n miller higher of hing helps helps name, sprint about 1 and 2	page (Solid come and common common name three) (**155*
Contaminate Type: 2 Dil Treatment Type: Bio Fac Waste Code: Petroleum Contaminate Storage Area: Not Applicable Comment:	ed Soil	28. 92 -	·	
iriver:	Facility:			•
·	· owns	lbson, Barry	antarregione (21-linkitarrazione) artaria (22)	M in the Mark
	GENERATOR			
		the state of the s		



GLOBAL JOB NUMBER:	145309	FACILITY APPROVAL NUM	BER: 173070/6			
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-Hazardo	ous Material Manifest				
(Type or Print Clearly)						
GENERATOR'S NAME & SIT	E ADDRESS:	GROSS WEIGHT:				
60-77 Mallane	Parkaller	TARE WEIGHT:				
7 7 7 0 7 0	NY	Tons Yards	·			
GENERATOR'S PHONE:	212-993-5217	NET WEIGHT:				
DESCRIPTION OF MATERI	AL/SAMPLE ID AND LOCA					
AH2.	- Alle Can	(a = / / / /	1			
GENERATOR'S CERTIFICA	TION – Incomplete and/or un	signed manifests will cause the load to be	e delayed and/or rejected.			
is not a hazardous waste as def	fined by 40 CFR Part 261 or an e state law, has been fully and a	in free liquid as defined by 40 CFR Part 2 y applicable state law, is not a DOT haza accurately described above, classified, part regulations.	ardous substance as defined by 49			
Name: HARCO	CALLETA	Title: A 1090 A	GE Hadin (1)			
Signature:		Date and Time	4/17 /12:20			
<u>TRANSPORTER</u>	<u> </u>					
Company:		Phone Number:				
Address: 215 NOTH 67	HSTAKWARK WI	Truck # and License Plate:	AT 7950			
Driver: (Type	or Print Clearly)	SW Haulers Permit #:	(applicable state permit #)			
` **	27	d material was picked up at the site listed	` ' '			
Driver Signature:	lul	Date and Time:				
DESTINATION						
I hereby certify the Driver Signature:	hat the above named material v	was delivered without incident to the faci Date and Time:	1			
	tify that the above named mate	rial has been accepted at the above refere				
Authorized Signature:	<u> </u>	Date and Time:	14/17			

Clean Earth o	f Cartanat	Tickets	7000005855		
24 Middlesex		**	Date	Time	Scale
Carteret, NJ		I 72 %	2/24/2017	14:01:57	Scale CE
	-8909 Fax: (732) 541-8105	Outs	2/24/2017	14:02:07	Series Series A. Series
			1.55	in the second second	
Manifesti		Gross;		40.36	
Vehicle ID:	W7UR1777			14.45	
Pehicle Permit:		Netr	51820	25.91	
Customer:	SKY VIEW PARC II LP				
		lity Approval#:			
Generators	C E Flushing LP - c/c One	Job Mame:	C. E. Flus	hing_c/o	Omex / C.
Gen Address:	40-24 College Point Blvd	Job Address:		***	Blvd
	Suite F616		Flushing,	NY 11354	
	Flushing, WY 11354				
rigin	Materials & Services		Muantity	Unit	
ueens	Soil Treatment Type II	in the control of the control of the control of the control of the control of the control of the control of the	25,91	The same control of the sa	and the three time about 1950 and 1951 form
Contagin	ate Type: 2 Dil				
	ent Type: Bio				
Fac Wa	iste Code: Petroleum Contaminat	ed Soil : -			
- Storage Area:	Not Applicable				
Comments			N		
atr					
Driver:		Facility: _	negyamitánnasvennen szelmess menovszógnasochenne ragi	ente d'Austriania de La comme de contrata de de actividad de describilità de la cidad de	111111111111111111111111111111111111111
•			ibson, Barr	¥	



GLOBAL JOB NUMBER	143309	FACILITY APPROVAL NU	MBER: <u>73070/</u> 9
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 Mariboro, MD 20772 Ph: 301-599-0939
Clean Earth of Philadeiphia 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-Hazar	dous Material Manifest	
(Type or Print Clearly)			
GENERATOR'S NAME & S	ITE ADDRESS:	GROSS WEIGHT:	
CE Flaghing 21	2- C/O Onex (6)	XEAT Tons Yards	
40-12, 400	Lee Birt 19. [	TARE WEIGHT:	
TUAS-2	1/1/24 TO TO TO THE STATE OF TH	Tons Yards	
GENERATOR'S PHONE:	212-393-5712	NET WEIGHT:  Tons Yards	
DESCRIPTION OF MATER	RIAL/SAMPLE ID AND LC		
DEBURIT TOUT OF WATER			
RMANA	13 Gub	F6/66	
GENERATOR'S CERTIFIC	CATION – Incomplete and/or	unsigned manifests will cause the load to	be delayed and/or rejected.
is not a hazardous waste as c CFR Part 172 or any applica	lefined by 40 CFR Part 261 or	ntain free liquid as defined by 40 CFR Par any applicable state law, is not a DOT had ad accurately described above, classified, paral regulations.	zardous substance as defined by 49
Name: MARGO 1	ZALLETIA	Title: As ALL S	CF Fleshing UC
Signature:		Date and Time:	28/17 12:00
TRANSPORTER	The state of the s	· · · · · · · · · · · · · · · · · · ·	
Company: (MEL		Phone Number: Q 7	2940 2043
Address: 945 Al (6)	fu Alubat L	Truck # and License Plate:	ATQUED
Driver:	ype or Print Clearly)	SW Haulers Permit #:	(applicable state permit #)
` `	**	med material was picked up at the site liste	1 1
Driver Signature:		Date and Time:	ACCESS. Expended by
DESTINATION	Source Control of Cont		
I hereby certify	y that the above named materia	al was delivered without incident to the fac	cility noted above.
Driver Signature:	The second second	Date and Time:	
I hereby c	ertify that the above named m	aterral has been accepted at the above refe	
Authorized Signature:	Commence of the second	Date and Time:	24-(3

Ticket: 7000000585408 Clean Earth of Carterst Date Time Scale 24 Middlesex Avenue In: 2/24/2017 12:56:45 Scale CE Carteret, NJ 07008 Out: 2/24/2017 12:56:55 P.T. Phi (732) 541-8909 Fax: (732) 541-8105 Lbs TT G Manifest: 1429198 86380 43.19 Grassi Vehicle ID: 07ATAMELIA86 Tare: 28200 14.10 Vehicle Permit: 58180 29.09 Neta 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 FSIA Flushing, MY 11354 Flushino, NY 11354 Origin Materials & Services Quantity Unit Queens - Boil Treatment Type II 29.09 Tns Contaminate Type: 2 Oil Treatment Type: Bio Fac Waste Code: Petroleum Contaminated Soil Storage Area: Not Applicable Comments Drivers Facilitys Gibson, Barry



GLOBAL JOB NUMBER: 14 3909	FACILITY APPROVAL NUM	BER: 7207018
	<del></del>	The state of the s
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 ☐ Clean Earth of North Jersey 3201 S. 61st Street 115 Jacobus Avenue Philadelphia, PA 19153 Kearny, NJ 07032 Ph: 215-724-5520 Ph: 973-344-4004	☐ Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisvilie, PA 19067 Ph: 215-428-1700	Other
	rdous Material Manifest	
(Type or Print Clearly)		
GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
CE Flutting LP-C/O Chax lest	Tons Yards	
740-72 /Cdlope Rint 124	TARE WEIGHT:	
Flating NV	Tons Yards	
GENERATOR'S PHONE: // / 1/2 893-(	7 17 NET WEIGHT:	
Same I The same I see I see I see I see I see I see I see I see I see I see I see I see I see I see I see I see	Tons Yards	
DESCRIPTION OF MATERIAL/SAMPLE ID AND LO	OCATION	American Company
GM7-AB 600	~ = / / / /	
GENERATOR'S CERTIFICATION - Incomplete and/o	r unsigned manifests will cause the load to be	e delayed and/or rejected.
I hereby certify that the above named material does not consist is not a hazardous waste as defined by 40 CFR Part 261 of CFR Part 172 or any applicable state law, has been fully a for transportation according to all applicable state and fed	r any applicable state law, is not a DOT haza and accurately described above, classified, pa	ardous substance as defined by 49
Name: MARIO RALLETTA	Title: As what he	CF Flul- 0116
Signature:	Date and Time 0 2/12	4/17 10:6
TRANSPORTER		<u> </u>
Company: ATAMEUA	Phone Number:	9027566
	Truck # and License Plate:	903 434
Driver: (Type or Print Clearly)		(applicable state permit #)
I hereby certify that the above na	amed material was picked up at the site listed	l above.
Driver Signature:	Date and Time: 2	24-17
DESTINATION		·
I hereby certify that the above named mater	ial was delivered without incident to the faci	lity noted above.
Driver Signature:	Date and Time:	24 17
I hereby certify that the above named n	naterial has been accepted at the above refere	enced facility.
Authorized Signature:	Date and Time: 2/20	4/17

Ticket: 700000585217 Glean Earth of Carterat Date Time Scale - 24 Middlesex Avenue In: 2/24/2017 11:05:48 Scale CE Carteret. NJ 07008 Out: 2/24/2017 11:05:59 P.T. Phi: (732) 541-8909 Fax: (732) 541-8105 Lbs The : Manifest: 1415203 Grass: 79200 39.60 Vehicle ID: 07MCB5 Tare: 26860 13.43 Vehicle Permit: 52340 26,17 Nets - Customer: SKY VIEW PARC II LD Facility Approval#: 173070185 Generator: C E Flushing LP - c/o One Job Wase: 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, NV 11354 Orioin Materials & Services Quantity Unit Queens E Soil Treatment Type II 26.17 Ths Contaminate Type: 2 Oil Treatment Type: Bio Fac Waste Code: Petroleum Contaminated Soil Storage Area: Not Applicable Comments Drivers Facilitys Gibson, Barry



GLOBAL JOB NUMBER: 143909	FACILITY APPROVAL NUM	BER: 17307018		
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 ☐ Clean Earth of North Jersey 3201 S. 61st Street 115 Jacobus Avenue Philadelphia, PA 19153	☐ Clean Earth of Southeast Pennsylvania 7 Steel Road East Morrisville, PA 19067 Ph: 215-428-1700	Other		
	ous Material Manifest			
(Type or Print Clearly)				
GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	•		
C.F. Fleshing IP-C/O Onex Real E	-Aok □Tons □Yards	6 J		
40-22 Malless Point Blud	TARE WEIGHT:			
The NY	☐Tons ☐Yards			
GENERATOR'S PHONE 212 - 993 - 27/2	NET WEIGHT:			
	TonsYards			
GENERATOR'S CERTIFICATION – Incomplete and/or un	•			
I hereby certify that the above named material does not contain is not a hazardous waste as defined by 40 CFR Part 261 or an CFR Part 172 or any applicable state law, has been fully and for transportation according to all applicable state and federa	ny applicable state law, is not a DOT haza accurately described above, classified, pa	rdous substance as defined by 49		
Name: MARG ONLESTA	Title: AORALA LO	C.E. Hukow, KK		
Signature:	Date and Time Orlean	17 01		
TRANSPORTER				
Company:	Phone Number:			
Address: Driver:	Truck # and License Plate: SW Haulers Permit #:	HYBBUS		
(Type or Print Clearly)		(applicable state permit #)		
I hereby certify that the above name	ed material was picked up at the site listed	above.		
Driver Signature: Angol Carl Men	Date and Time:			
DESTINATION	W.			
I hereby certify that the above named material	was delivered without incident to the facil	ity noted above.		
Driver Signature: Date and Time:				
I hereby certify that the above named mat		nced facility.		
Authorized Signature:	Date and Time:	у 🐧 . и		

Clean Earth of Carterst 24 Middlesex Avanue Carteret, NJ 07008 Ph: (732) 541-8909 Fax: (732) 541-8105	Ticket: <b>700000585148</b> Date Time Scale In: 2/24/2017 10:33:29 Scale C Out: 2/24/2017 10:33:39 P.T.
Manifest: 1415202 Vehicle ID: 07MCD3 Vehicle Permit: Customer: SKY VIEW PARC II LP	Lbs Ins Gross: 82900 41.45 Tare: 26320 13.26 Net: 56380 28.19
ueens Soil Treatment Type II Contaminate Type: 2 Oil Treatment Type: Bio Fac Waste Code: Petroleum Contaminateo Storage Area: Not Applicable Comment:	28.19 Tre
Drivers	Facility: Gibson, Barry



GLOBAL JOB NUMBER:	143909	FACILITY APPROVAI	L NUMBER: 17307018
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 Washingtor 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 Pennsylv 7 Steel Road East Morrisville, PA 19067 Ph: 215-428-1700	vania
	Non-Hazardo	ous Material Manifest	
(Type or Print Clearly)			
GENERATOR'S NAME & SIT		GROSS WEIGHT:	
C.F. Flushing IP-C	10 any last Est	Tons Yards	
40-28 Callene	Point WW	TARE WEIGHT:	į
Flucture de	7	☐Tons ☐Yards	
GENERATOR'S PHONE:	212-993-5712	NET WEIGHT:	
- And	The second of th	☐Tons ☐Yards	
DESCRIPTION OF MATERI	AL/SAMPLE ID AND LOGA	ATION	And the state of t
	1 1 19 1		
KM	E-4/15 (5-vi)	V3 F6/66	
	.:	the state of the s	
GENERATOR'S CERTIFICA	TION - Incomplete and/or uns	signed manifests will cause the le	oad to be delayed and/or rejected.
is not a hazardous waste as def CFR Part 172 or any applicable	fined by 40 CFR Part 261 or any	y applicable state law, is not a De accurately described above, class	FR Part 260.10 or any applicable state law, OT hazardous substance as defined by 49 sified, packaged and is in proper condition
Name: MARG B	AUETTA	Title: A A Man A	la C.E. Fleshins 1.60
Signature:		Date and Time:	02/24/17
TRANSPORTER		,	
Company:	TROCKING	Phone Number:	
Address: ROLLEN	lille NAT	Truck # and License Plate:	#5 IAP322V
Driver:	# The second	SW Haulers Permit #:	
	e or Print Clearly)	_	(applicable state permit #)
I here	by certify that the above named	d material was picked up at the si	ite listed above.
Driver Signature:	~ V	Date and Time:	2.74.17
		A'	
<u>DESTINATION</u>	Acceptantial Works		
I hereby certify the	hat the above named material w	vas delivered without incident to	and the control of th
		Date and Time:	2.74.17
I hereby cef	tify that the above named mater	rial has been accepted at the above	#
Authorized Signature:		Date and Time:	2/24/11

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 Suite F616 Flushing, NY 11354 Frigin Materials & Services Quantity Unit			77% 370° 25. U 0500 57775 - W 10000 4500 10770	Sibson, Barr	y		
Date   Time   Scale	Driver:		Facility: _	nakon jenkajaja kondustaja kondustaja (konkulus ja jalicon 22 a valikila suuru muks salakulus kondustaja kondu			·
Date   Time   Scale	Contami Treati Fac W Storage Areas	nate Type: 2 Oil ment Type: Bio aste Code: Petroleum Contaminated Not Applicable	i Soil	25. 22			· ····································
Date   Time   Scale	Gen Address:	C E Flushing LP - c/o One 40-24 College Point Blvd Suite F616 Flushing, NY 11354	Job Name	: C. E. Flus : 40-24 Coll Flushing,	ege Point NY 11354	Onex / Blvd	you,
Clean Earth of Carteret  24 Middlesex Avenue  Carteret, NJ 07008  In: 2/24/2017 10:27:32 Scale CA	Vehicle ID: Vehicle Permit:	Ø7URI777 SKY VIEW PARC II LP	Tare Net	: 79340 : 28900 : 50440	39.67 14.45		
	24 Middlesex Carteret, NJ	Avenue 97008	To the state of th	Date : 2/24/2017	Time 10:27:32	Scale	



GLOBAL JOB NUMBER: 143909 FACILITY APPROVAL NUMBER: 173070185
Please Check One:
Clean Earth of Carteret Clean Earth of Maryland Clean Earth of New Castle Carteret, NJ 07008 Hagerstown, MD 21740 Ph: 732-541-8909 Ph: 301-791-6220 Ph: 302-427-6633 Clean Earth of New Castle Clean Earth of Greater Washington 6250 Dower House Road New Castle, DE 19720 Upper Marlboro, MD 20772 Ph: 302-427-6633 Ph: 301-599-0939
Clean Earth of Philadelphia☐ Clean Earth of North Jersey☐ Clean Earth of Southeast Pennsylvania☐ Other3201 S. 61st Street115 Jacobus Avenue7 Steel Road EastPhiladelphia, PA 19153Kearny, NJ 07032Morrisville, PA 19067Ph: 215-724-5520Ph: 973-344-4004Ph: 215-428-1700
Non-Hazardous Material Manifest
(Type or Print Clearly)
GENERATOR'S NAME & SITE ADDRESS: GROSS WEIGHT:
CF. Fleshing LP-C/O Crex Bolle Ast Tons Yards
40-22/ College D: A POLY TARE WEIGHT:
Flushing My Tons Yards
GENERATOR'S PHONE: 712 = 993 - 5712 NET WEIGHT: Tons Yards
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
MZ-A/B Codo FG/FG
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 GALLETTA Title: As well to CE. Flushing LLC
Signature: Date and Time: 52/24/17 7.6-2
TRANSPORTER
Company: Phone Number:
Address: 775 Noth New York 7 Truck # and License Plate: 777 AT 7451
Driver: SW Haulers Permit #: 37 (applicable state permit #)
Lhereby certify that the above named material was picked up at the site listed above.
Driver Signature: Date and Time:
<u>DESTINATION</u>
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:

Ticket: 700000585097 Clean Earth of Carteret Date Time Scale 24 Middlesex Avenue In: 2/24/2017 10:02:05 Scale CE Carteret, NJ 07008 Dut: 2/24/2017 10:02:14 P.T. Ph: (732) 541-8909 Fax: (732) 541-8105 Lbs 115 Manifest: 1429200 Gross: 88620 44.31 Vehicle ID: 07URIEL5 Tare: 29480 14.74 Vehicle Permit: Net: 59140 29.57 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 F518 Flushing, NY 11254 Flushing, NY 11354 Origin Materials & Services Quantity Unit Busens Soil Treatment Type II 29.57 Ths Contaminate Type: 2 Dil Treatment Type: Bio - Fac Waste Code: Petroleum Contaminated Soil Storage Area: Not Applicable Comment: Drivers Facilitys Gibson, Barry



GLOBAL JOB NUMBER:	43909	FACILITY APPROVAL	NUMBER: 173070185
Please Check One:			
24 Middlesex Avenue 1469 Carteret, NJ 07008 Hage	O Oak Ridge Place erstown, MD 21740	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
3201 S. 61st Street 115 Philadelphia, PA 19153 Kear	Jacobus Avenue rny, NJ 07032	Clean Earth of Southeast Pennsylv 7 Steel Road East Morrisville, PA 19067 Ph: 215-428-1700	ania
	Non-Hazardoเ	us Material Manifest	
(Type or Print Clearly)			
GENERATOR'S NAME & SITE AD	DDRESS:	GROSS WEIGHT:	
CF FULL BUPC	10 Onex Max E	Tons Yards	
40-72 Callago Par	A 120/4	TARE WEIGHT:	
Flynnigh XIV	Sales de la constante de la co	Tons Yards	
GENERATOR'S PHOME: 2/	<u> </u>	NET WEIGHT:	
	and the second	Tons Yards	
DESCRIPTION OF MATERIAL/S	SAMPLE ID AND LOCA	<u>TION</u>	in the property of the second
1 AMZ	- A/R (	No Folde	<del></del>
		730	
GENERATOR'S CERTIFICATIO	N – Incomplete and/or unsi	igned manifests will cause the l	oad to be delayed and/or rejected.
I hereby certify that the above name	ed material does not contain by 40 CFR Part 261 or any te law, has been fully and ac	n free liquid as defined by 40 C. applicable state law, is not a D ccurately described above, class	FR Part 260.10 or any applicable state law, OT hazardous substance as defined by 49 sified, packaged and is in proper condition
Name: MARGO (3424)	ETTA	Title: 🐴 🐠 🚅	& Fryling UC
Signature:		Date and Time:	102/24/17/27:21
TRANSPORTER	Land Land Land Land		
Company: , FOA F	.m²	Phone Number:	973 902 2043
Address:	The state of the s	Truck # and License Plate: _	5-417950
	int Clearly)	SW Haulers Permit #:	(applicable state permit #)
		ti-1a minlend we at the c	(11 ,
I hereby co		material was picked up at the s	
Driver Signature:	MALLER HAND	Date and Time:	
DESTINATION			
Driver Signature:	$\mathcal{A}$ $N$ $N$ $N$ $N$	as delivered without incident to Date and Time:	
I hereby certify	that the above named mater	rial has been accepted at the abo	ove referenced facility.
Authorized Signature:	241	Date and Time:	2/24/1-9

Ticket: 700000585007 Clean Earth of Carteret Date Time Scale 24 Middlesex Avenue In: 2/24/2017 09:07:06 Scale CE Carteret, NJ 07008 Out: 2/24/2017 09:07:17 P.T. Phis (732) 541-8909 | Fax: (732) 541-8105 Lbs Ths Manifest: 1415201 Gross: 91840 45.92 Vehicle ID: 07ATAMELIA86 Tare: 28200 14.10 Vehicle Permit: Net: 63640 31,82 - Customer: SKY VIEW PARE II LP Facility Approvale: 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 FAIR Flushing, NY 11354 Flushing, NY 11354 Origin . Materials & Services Quantity Unit Queens Soil Treatment Type II 31.82 The Contaminate Type: 2 Dil Treatment Type: Dio - Fac Waste Gode: Petroleum Contaminated Soil Storage Areas Not Applicable Comments Drivers Facility: Gibson, Barry



GLOBAL JOB NUMBER:	143909	FACILITY APPROVAL N	UMBER: 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-Hazar	dous Material Manifest	
(Type or Print Clearly)			
GENERATOR'S NAME & SIT	E ADDRESS:	GROSS WEIGHT:	
CE FULLY DIP-	C/O Onex/and	Tons Yards	·
40-77 100000	But alva.	TARE WEIGHT:	
TOURING IN	V	Tons Yards	
GENERATOR'S PHONE:	712-593-5712	NET WEIGHT:	·
DESCRIPTION OF MATERI	IAL/SAMPLE ID AND LO	OCATION	
DESCRIPTION OF MILES	7-4/2 6:	L F6/66	
	Mand .		
	· · · · · · · · · · · · · · · · · · ·	!	
GENERATOR'S CERTIFICA	ATION – Incomplete and/or	unsigned manifests will cause the load	to be delayed and/or rejected.
I hereby certify that the above is not a hazardous waste as de CFR Part 172 or any applicab for transportation according to	named material does not co fined by 40 CFR Part 261 on the state law, has been fully a	ntain free liquid as defined by 40 CFR or any applicable state law, is not a DOT and accurately described above, classified	Part 260.10 or any applicable state law, hazardous substance as defined by 49
Name: [19816-0 (5)		Date and Time:	(183/21/12 to
Signature:		Date und Time.	The state of the s
TRANSPORTER			The second secon
Company:	MELIA	Phone Number:	73) 902 7566
Address: 2/5 A/O	ATH 65T	Truck # and License Plate:	THADIS #36
Driver: CRISTUAL	pe or Print Clearly)	SW Haulers Permit #:	(applicable state permit #)
I her	reby certify that the above na	amed material was picked up at the site	listed above.
Driver Signature:		Date and Time:	ey of
DESTINATION			
I hereby certify	that the above named mater	ial was delivered without incident to th	e facility noted above.
Dairea Cionatura	And the second second	Date and Time:	men from the figure
Thereby ¢	ertify that the above named i	material has been accepted at the above	referenced facility.
Authorized Signature:		Date and Time:	124/17

Clean Earth of Carteret	Tickets	7000005946	.10	
24 Middlesex Avenue		Date	Time	Scale
Carteret, NJ 07008	Ing	3/10/2017	11:19:34	
Ph: (732) 541-8909 Fax: (732) 541-810	j-4 i	3/10/2017		
		Lbs	Tns	
Manifest: 1429191	Genera	84560		
Vehicle ID: 07MEND32		29300		
Vehicle Persit:		55260		
Customer: SKY VIEW PARC II LP	1167.2	uucov	27.63	
	Facilitý Approval#:	173070185		
Generator: C E Flushing LP - c/o One	Job Name:	C. E. Flus	hina c/o	Onex / C.
Gen Address: 40-24 College Point Blvd	Job Address:	40-24 Coll	ene Point	hvil
Suite F616		Flushing,		( 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Flushing, NY 11354			, , , , , , , , , ,	
Origin Materials & Service	Se s	Quantity	Unit	
Queens Soil Treatment Typ	oe II	27.63	TYYS	mma aura musa sung mum immig antig yinga mug
Contaminate Type: 2 Oil			, , ,	
Treatment Type: Bio				
Fac Waste Code: Petroleum Conta	minated Soil			
Storage Area: Not Applicable				
Comment:	•			
Drivera	. Tarri I d Sara			
TO S TO Y THE S	Facility:	ibson, Barr	energi kali od nesiles o osobel someno osperen sam. Nak	
	ED (	enanu <sup>a</sup> pat.t.	У	
	GENERATOR			



GLOBAL JOB NUMBER:	143909	FACILITY APPROVAL NUM	BER: 173070189
Please Check One:		w.	
· ·	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-Hazar	dous Material Manifest	
(Type or Print Clearly)			
GENERATOR'S NAME & SIT		GROSS WEIGHT:	,
CF. Fleshing IP-	C/O Onex lead	Tons Yards	· ·
140-77 College P	200 A BLUN	TARE WEIGHT:	
Fly Parkay		Tons Yards	s .
GENERATOR'S PHONE:	112-993-571	NET WEIGHT:	,
DESCRIPTION OF MATER	IAL/SAMPLE ID AND LO	<u>DCATION</u>	*
RMZ-A/B	Kids F6	166	
GENERATOR'S CERTIFIC	ATION – Incomplete and/or	r unsigned manifests will cause the load to b	e delayed and/or rejected.
I hereby certify that the above	named material does not co fined by 40 CFR Part 261 or le state law, has been fully a	ontain free liquid as defined by 40 CFR Part r any applicable state law, is not a DOT haz and accurately described above, classified, p	260.10 or any applicable state law, ardous substance as defined by 49
Name: MARCO BA		Title: A Apple In C	F Fleeking /10
Signature:		Date and Time!	0/17 19:30
TRANSPORTER			index.
Company: MAPN 1	e> # 54	Phone Number:	
Address:	J. Southern I. A.	Truck # and License Plate:	206 X
Driver: Lawring	pe or Print Clearly)	SW Haulers Permit #:	(applicable state permit #)
I her	eby certify that the above na	amed material was picked up at the site liste	d above.
Driver Signature:	A Commence	Date and Time: o3//)/	7 9:30
DESTINATION			
I hereby certify	that the above named mater	ial was delivered without incident to the fac	ility noted above.
Driver Signature:		Date and Time:	
I hereby ee	ertify that the above named r	naterial has been accepted at the above refer	renced facility.
Authorized Signature:	7-4	Date and Time: 3/	0/17

Clean Earth of Carteret Ticket: 700000594588 24 Middlesex Avenue Date Time Scale Carteret, NJ 07008 In: 3/10/2017 11:04:51 Scale CE Ph: (732) 541-8909 Fax: (732) 541-8105 Out: 3/10/2017 11:05:04 P.T. Lbs Ths Manifest: 1256654 Grass: 92220 46.11 Vehicle ID: 07MENDi3 Tares 32020 16.01 Vehicle Permit: Net: 60200 30.10 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 the series are and any sold to the stand area to be to the stand and the standard and the standard area to the standard and the standard area to the standar Soil Treatment Type II Queens 30.10 Ths Contaminate Type: 2 011 Treatment Type: Bio Fac Waste Code: Petroleum Contaminated Soil Storage Area: Not Applicable Comment: Drivers Facility: Gibson, Barry GENERATOR



GLOBAL JOB NUMBER:	143909	FACILITY APPROVAL N	umber: 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-Hazardo	ous Material Manifest			
(Type or Print Clearly)		T an east work area.	. ,		
GENERATOR'S NAME & SITI	EADDRESS: - C/O Onex Red	GROSS WEIGHT:			
40-22 (Splane for	It Blvd	TARE WEIGHT:			
CENTER LEGISLA DICONEL	212 007 (-71)	NET WEIGHT:	7		
GENERATOR'S PHONE:	<u> </u>	Tons Yards	w .		
DESCRIPTION OF MATERIA	AL/SAMPLE ID AND LOCA	<u>ATION</u>			
RMZ-A	1R Guid	o F6/66	•		
		700			
GENERATOR'S CERTIFICA	TION – Incomplete and/or un	signed manifests will cause the load	to be delayed and/or rejected.		
is not a hazardous waste as def	ined by 40 CFR Part 261 or an estate law, has been fully and a	ny applicable state law, is not a DOT accurately described above, classifie	Part 260.10 or any applicable state law, hazardous substance as defined by 49 d, packaged and is in proper condition   Ja CF Flishing 44		
TRANSPORTER			~ · · · · · · · · · · · · · · · · · · ·		
` ' '	or Print Clearly)	Phone Number:  Truck # and License Plate:  SW Haulers Permit #:	(applicable state permit #)		
I here	2	ed material was picked up at the site l	A		
Driver Signature:	M)	Date and Time:	0/17 8.51		
DESTINATION	. 11		-		
I hereby certify the Driver Signature:	hat the above named material v	was delivered without incident to the Date and Time:	facility noted above.		
Thereby cer	I hereby certify that the above named material has been accepted at the above referenced facility.				
Authorized Signature:	<u> </u>	Date and Time:2	110/12		

Clean Earth of Carteret Ticket: 700000594554 24 Middlesex Avenue Date Time Scale Carteret, NJ 07008 In: 3/10/2017 10:33:50 Scale CE Ph: (732) 541-8909 Fax: (732) 541-8105 Dut: 3/10/2017 10:34:37 P.Y. Lbs Manifest: 1429192 Gross: 87200 43.60 Vehicle ID: 07MEND101 Tare: 29200 14.60Vehicle Permits Net: 58000 29.00 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 Materials & Services Origin Quantity Unit And to the state that we will be the time to be more to be some as we have be a state of the some to be some t Soil Treatment Type II 29.00 Tns Contaminate Type: 2 Oil Treatment Types Bio Fac Waste Code: Petroleus Contaminated Soil Storage Area: Not Applicable Comment: Driver Facility: Gibson, Barry GENERATOR

The state of the s



GLOBAL JOB NUMBER:	143909	FACILITY	APPROVAL NUM	IBER: 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 Net 94 Pyles Lane New Castle, DE 1 Ph: 302-427-6633	9720	☐ 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 Soi 7 Steel Road East Morrisville, PA 190 Ph: 215-428-1700	t 067	Other
	Non-Hazar	dous Material	Manifest	,
(Type or Print Clearly)				
GENERATOR'S NAME & SIT	E ADDRESS:		WEIGHT:	
CF Flick 2 1P	-10/0 m. hel	FAA Tons	Yards	
40-11 (1000	Port Black	TARE W	VEIGHT:	en El la
Alil To A	13/	Tons	Yards	<u> </u>
GENERATOR'S PHONE:	10-993-571	NET W ☐Tons	EIGHT:	
DESCRIPTION OF MATERI	AL/SAMPLE ID AND LO	CATION	, · · · · · · · · · · · · · · · · · · ·	grand and the second second second second second second second second second second second second second second
12-A/B	tuly 7,6	3/66		
GENERATOR'S CERTIFICA	ATION – Incomplete and/or	unsigned manifests	will cause the load to b	oe delayed and/or rejected.
I hereby certify that the above is not a hazardous waste as de	named material does not co fined by 40 CFR Part 261 or le state law, has been fully a	ntain free liquid as do any applicable state nd accurately describ	efined by 40 CFR Part law, is not a DOT haz	260.10 or any applicable state law, cardous substance as defined by 49 backaged and is in proper condition
Name: MANGO CA	118771	Title:	1010	A B CF Fluboulco
Signature:		Date and	Time:	19 8:KT
TRANSPORTER		e	,	
Company: Address:	MEZTRUNG	Phone Numbe Truck # and L	Cord El	6 6 d 0 101
Driver: PRAIN	PARARI.	SW Haulers P	- 200 191	(applicable state permit #)
(1yp	e or Print Clearly) eby certify that the above na	med material was pic	cked up at the site liste	
Driver Signature:	The state of the s	Date and	1 Time:	117 8:15
DESTINATION	and the second s			
I hereby certify	that the above named materi	al was delivered with	nout incident to the fac	cility noted above.
Driver Signature: Date and Time:				
I hereby ce	rtify that the above named n		epted at the above refer	renced facility.
Authorized Signature:	B (EFF)	Date and	1 Time: 3/10	117

Ticket: 700000594536 Oftean Earth of Carteret Date Time Scale 24 Middlesex Avenue In: 3/10/2017 10:20:05 Scale CE Carteret, NJ 07008 Out: 3/10/2017 10:20:16 P.T. Ph: (732) 541-8909 Fax: (732) 541-8105 Lbs Ths Manifest: 1429194 Gross: 86960 43, 48 Vehicle ID: Ø7MEND288 Tares 27200 13.60 Vehicle Permit: Net: 59760 29.88 Customer: SKY VIEW PARC II LP Facility Approval#: 173070185 Generator: C E Flushing LF - c/o One Job Mame: 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 Soil Treatment Type II 29.88 Ins Queens Contaminate Type: 2 Dil Treatment Type: Bio Fac Waste Code: Petroleum Contaminated Soil Storage Area: Not Applicable Comment: Drivers Facility: Gibson, Barry GENERATOR



GLOBAL JOB NUMBER:	143909	FACILITY APPROVAL NUM	BER: 173070/8
Please Check One:	<i>:</i>		
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 Washingtor 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-Hazar	dous Material Manifest	
(Type or Print Clearly)			
GENERATOR'S NAME & SIT	E ADDRESS:	GROSS WEIGHT:	ļ
1 F Flyling 1	P-C/0 and	Tons Yards	
40-77 / 10000	Pro Dul	TARE WEIGHT:	
Fl. P. J.	134	Tons Yards	
GENERATOR'S PHONE:	12-323-57	NET WEIGHT:  Tons Yards	
DESCRIPTION OF MATERI	AL/SAMPLE ID AND LO	CATION	
12/17-1/18	1///	161	
	<del>- 6 w/2 / 6</del>	7 6 6	
GENERATOR'S CERTIFICA	ATION – Incomplete and/or	unsigned manifests will cause the load to b	e delayed and/or rejected.
I hereby certify that the above is not a hazardous waste as de	named material does not confined by 40 CFR Part 261 or le state law, has been fully a	ntain free liquid as defined by 40 CFR Part any applicable state law, is not a DOT haz ad accurately described above, classified, p	260.10 or any applicable state law, ardous substance as defined by 49
Name: 144/1/0	2A115771	Title:	1 / CE Fle De CO
Signature:		Date and Time:	6/17-7-20/
TRANSPORTER	The state of the s		
Company: MENGEZ T	BICKIM!	Phone Number:	
Address: 440 ONES	AK ROTRUELLO NI	Truck # and License Plate: 288	-A5763L-NJ
Driver: (Typ	e or Print Clearly)	SW Haulers Permit #:	(applicable state permit #)
I here	eby certify that the above na	med material was picked up at the site liste	d above.
Driver Signature:	Orosso	Date and Time: ()	<u> </u>
DESTINATION			
I hereby certify	that the above named materia	al was delivered without incident to the fac	ility noted above.
Driver Signature:\		Date and Time:	1 2 41
I hereby ce	rtify that the above named m	naterial has been accepted at the above refer	renced facility.
Authorized Signature:	75//	Date and Time:	0/17

Ticket: 700000594489 Elean Earth of Carteret Time Date 24 Middlesex Avenue In: 3/10/2017 09:40:02 Scale CE Carteret, NJ 07008 Out: -3/10/2017 09:40:10 P.T. Ph: (732) 541-8909 Fax: (732) 541-8105 Lbs Grass: 80360 40.18 Manifest: 1429193 Vehicle ID: 07MEND11 Táre: 29360 14.68 Net: 51000 25.50 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. Job Address: 40-24 College Point Blvd Gen Address: 40-24 College Point Blvd Suite F616 - Flushina, NY 11354 Flushing, NY 41354 Materials & Services Quantity Unit Origin Soil Treatment Type Il 25.50 Tns Queens Contaminate Type: 2 Oil Treatment Type: Bio Fac Waste Code: Petroleum Contaminated Soil Storage Area: Not Applicable Comment: Facilitys Drivera Gibson, Barry GENERATOR



GLOBAL JOB NUMBER:	143809	FACILITY APPROV	VAL NUM	BER: 173070 1BS
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 Peni 7 Steel Road East Morrisville, PA 19067 Ph: 215-428-1700	nsylvania	Other.
	Non-Hazard	lous Material Manife	est	
(Type or Print Clearly)				
GENERATOR'S NAME & SIT	E ADDRESS:	GROSS WEIGHT:		Z.
CF FULL NIO	Cho oux Pol	∑NoN Tons		
40-27 // 8000	P & Blid	TARE WEIGHT:		•
FOIL LEGAL NOV		Tons Yards		
GENERATOR'S PHONE:	17-892-5212	NET WEIGHT:	-	
0		Tons Yards		
DESCRIPTION OF MATERI	AL/SAMPLE ID AND LO	CATION		W. C.
	1		$q = e^{iy}$	
[L.] [Para A]	13 6 20 56,	166	. 0	
GENERATOR'S CERTIFICA	TION – Incomplete and/or i	unsigned manifests will cause t	the load to be	e delayed and/or rejected.
I hereby certify that the above is not a hazardous waste as def	named material does not con fined by 40 CFR Part 261 or a e state law, has been fully an	tain free liquid as defined by 4 any applicable state law, is not d accurately described above, o	0 CFR Part 2 a DOT haza	260.10 or any applicable state law, ardous substance as defined by 49 ackaged and is in proper condition
Name: MANGO O	ALLETTA	Title:	Anent	1 CF Plubin 160
Signature:		Date and Time:	203/	10/17 7/00AM
TRANSPORTER				:
Company: Mandan		Phone Number:		
Address: (16,6 (17))	on ay NT.	Truck # and License Plat	e: <u>ARA</u>	ouc till
Driver:	or Print Clearly)	SW Haulers Permit #:		(applicable state permit #)
` ` ` `	• •	ned material was picked up at t		- ,
Driver Signature: Losc &	· · ·	Date and Time:		1/7 7:15 ON.
DESTINATION				
I hereby certify t	hat the above named materia	was delivered without incider	nt to the faci	lity noted above.
Driver Signature:	The Comment	Date and Time:	.,	
I hereby/cer	tify that the above named ma	nterial has been accepted at the	above refer	enced facility.
Authorized Signature:		Date and Time:	_3/	10/17

# 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, 3/4" 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 3/4" Stone.

If you have any questions or require additional information, please contact me at 518-374-2222 or at <a href="mailto:cvanpatten@callanan.com">cvanpatten@callanan.com</a>.

Very truly yours,

TILCON NEW YORK, INC.

Colleen VanPatten QC Department

( alson ( In Pales

# 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:

NYSDOT Sizes  10 Cycle MgS04  25 Cycle 3% freeze -thaw	No. 2	No. 1 2.1	No. 1A	
UCVC		51		
% Non-carbonate % Insoluble residue L.A. Abrasion		0		
Bulk Specific Gravity SSD Bulk Specific Gravity Apparent Specific Gravity Absorption	2.81 2.799 2.830 0.4			
COMPOSITION ( Size No. )	%		COMPOSITION ( Size No. 1 )  Dolomite (Med Gray)  Dolomite (Dark Gray)  Dolomite (Tan)	% 79.4 16 4.6



## **Gradation Test Report**

Plant 060\_00210-Clinton Point Aggregate

Product 0526-NYSDOT #2 Specification NYSDOT 2



#### Sample Information

Sample No 1812346266

Date Sampled 12/09/2016 09:05

Sampled By Rick Grunwald
Type Shipping

Method Belt Sampling Device

Location Dock Process RCA Split Sample

Resample Test Note

Barge 4009 Customer 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

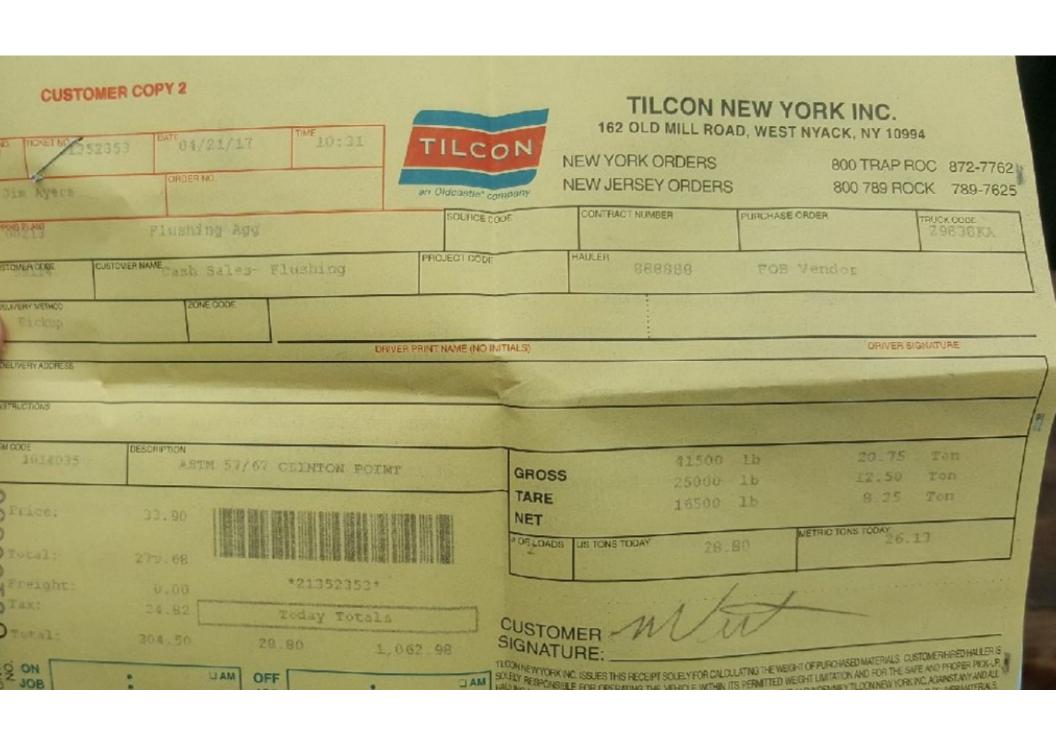
g 11620.00

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			

StonemontQC 01/04/2017

Oldcastle Materials

				Land of the same o
CALE NO. TICKET NO. DATE TIME	- Lucan		EW YORK INC. D, WEST NYACK, NY 1099	4
0 0/21152337 04/21/17 8:26 ORDER NO.	TILCON an Oldcastle' company	NEW YORK ORDERS NEW JERSEY ORDERS		OC 872-7762 OK 789-7625
HIPPING PLANT  USTOMER CODE CUSTOMER NAME	SOURCE CODE	CONTRACT NUMBER	PURCHASE ORDER	RUCK CODE
ELIVERY METHOD ZONE CODE		888688	FOB Mandor	
DRIVER I	PRINT NAME (NO INITIALS)		DRIVER SIGNAT	URE
NSTRUCTIONS				
TEM CODE DESCRIPTION  1014035 ASTN 57/67 CLINTON POTNT	GROS	25000	1b 12,30°	Ton Ton
Serior 13.90 c 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NET # OF LOAD	S US TONS TODAY	METRIC TONS TODAY	TON .
Orotal: 690.63	CUSTO			
758 48 20.55 758 O ON OFF	AM SOLELY RESPONS	KINC, ISSUES THIS RECEIPT SOLELY FOR CALCUL SIBLE FOR OPERATING THE VEHICLE WITHIN ITS	ATING THE WEIGHT OF PURCHASED MATERIALS. C PERMITTED WEIGHT LIMITATION AND FOR THE S SHALL DEFEND AND INDEMNIFY TILCON NEW YOR	K INC. AGAINST ANY AND ALL
ZZ JOB • DPM JOB •	□ PM CLÁIMSARISING O	OSHA M.S.D.S. A	OWEIGHT LIMITATIONS; AND (2) SAFELY PICK-UP, HAVAILABLE UPON REQUEST	OLAND DELIVER WATERIALS
· · · · · · · · · · · · · · · · · · ·		19		



## APPENDIX G AIR MONITORING LOGS

Air Monitoring Log AKRF, Inc. **Environmental Consultants** Client: Perce Project: Sky View Date: 11/14/16 Work Activity: Pile driving/utility sourch executation in parcel 2 elevator Logged By: CP/MB pit area Job No: 3*01 4 1* Weather: 50°F, Clear Wind Direction: 3E-15+ Wind Speed: 4mpl DUST PID COMMENTS (activity; work zone, TIME LOCATION ODORS (ppm) (mg/m<sup>3</sup>) upwind or downwind) Borsel 2 - Elivate Divilia OC: ND 0.049 NONE BACKGROUND -8:15  $NON^E$ 0.055 11 0.049 08:42 11 ろフ None ND 11 11 520.0 09:00 NONE NO 09:15 11 11 0060 1/0NE 09:20 Exclusion For 1) 11 ND อ 053 NONF 09 45 ND 11 NONE 11 0.057 11 10:00 11 NS 11 NONF 11 10:15 0.05 NONF // 11 11 0.048 /o-30 11 1) 1) None 11 0:45 ND , , 11 0,058 None 11 11 - 00 ND 0.063 NONE () 1) 11 11 11 9.06 B NONE ND 11 V 11 11 :30 11 ND NONE 0.055  $\parallel$ 11:45 ND NONE V 0.067 ND 12:00 6.054 NONE 11 IJ 11 11 ND 12,15 0.061 NINE 11 U11 11 11 11 None 12:30 11 0,060 1) 11 11 17:45 11 0.055 None 0,049 1) 13:00 11 11 11 11 13:15 11 11 0.051 1) 11 11 0.057 11 1) 11 1) 13:30 11 one 13:45 7) 1, 1) 1 > 1) 0.048 Vone

Work Zone Action Levels				
OVM	DUST			
<10 ppm: level D	<5 mg/m³: level D			
>10 ppm: level C	>25mg/m³: dust suppression			
>20 ppm; STOP	>5 mg/m level C			
500-5ton	>125nig/m³: STOP			

p.1 of Z

	Community (Per	meter) Action Levels
,	(Only if PID>4 ppm above background, or if	fust>0.75 mg/m above background in Work Zone
_	OVM	DUST
	>5 ppm above background: vapor suppression	>0.1 mg/m³ above background; dust suppression
	>25 ppm above background: STOP	>0.15 mg/m² above background: STOP

Pip - 210 ppm - level D Bernsen 10-500ppm - level C >500ppm - Styp work 45 mg/m³-Levo ID
Between 5-125 mg/m³-Lova I C + Dust Suppression
>125 mg/m³- Stup

AKRF, Inc. Environmental Co	nsultants					nitoring Log
Project: Sky	View Parc Pile driving and elovator buildi F, clear,			Client: Sky view	Purc	Date: 11/14/16
Work Activity:	Pile driving and	Utility exca	vation pit d	igging in	Logged By	:CP
Parcel 2	elevator buildi	ng			Job No:	30/4/
Weather: 50°	f, clear,	<i></i>		Wind Direction:	East	Wind Speed: 4mph
TIME	LOCATION	(ppm)	DUST (mg/m³)	ODORS	upwi	rs (activity; work zone, ind or downwind)
1400	Parcel 2 Elevator Building	0.0/ND	0.036	Mone	BACKGROW	NO Grelusion Zunc/ Work Zone
1415		ND	0.035	None		
1430		ND	0.026	None		
1445		NO	0.030	None		
(500		NV	0.045	None		
1515	$\checkmark$	NO	0.051	None	1	
			1			
				/		
			/			
						/
/						
						76.00

Work Zone Action Levels				
OVM DUST				
<10 ppm: level D	<5 mg/m³: level D			
>10 ppm; level C	>2.5 mg/m <sup>3</sup> : dust suppression			
>20 ppm: STOP	>5 mg/m <sup>3</sup> : level C			
	>125mg/m³: STOP			

	imeter) Action Levels fust>0.75 mg/m above background in Work Zone			
OVM	DUST			
>5 ppm above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression			
25 ppm above background: STOP >0.15 mg/m³ above background: STOP				

p 2 of 2

AKRF, Inc.					Air Monitoring Log
Project:	VON FOR			Client: K. V.	: W/1. Ni Date: 12/15/16
Work Activity:	Suf execution of	4	Estpit Soit	of elevation	Logged By: CP Job No: 3019/
Weather: 2	Fif partly clo	colu		Wind Direction	Wisher of Wind Speed: 2 Am
TIME	LOCATION	PID (ppm)	DUST (mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone, upwind or downwind)
0820	5W workprinces	0.1	0.035	NO	BACKGROUND 5"W
08/5	Niwick peningt	$\mathcal{N}V$	6,018	NV	B. Kg. sand NL
0345	Poring	NV	2.246	NV	Nowork dirling
2115	vork zoie	ND	6,6)0	ND	Pigging by shovel
0145	11	NV	1.026	NI	
1015	11	VV	0.016	NV	
1045	- <b> </b>	52	J. 019	NV	
		NI	0,027	NV	
1145		NI	1,021	NV	
1213		NV	1045	1/2	
12:15		NV	0.025	ND	
1315		NO	2025	12	
1345		ND	0.013	ND	1
1415	1	NO	0,022	ND	VIcleanup
	/		/		
		/	7		
					X
		/			
	-			1	

Work Zone Action Levels			
OVM	DUST		
<10 ppm: level D	<5 mg/m³: level D		
>10 ppm: level C	>2.5 mg/m3: dust suppression		
>20 ppm: STOP	>5 mg/m³: level C		
	>125mg/m³: STOP		

Community (Perimeter) Action Levels  (Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone				
OVM DUST				
>5 ppm above background: vapor suppression	>0:1 mg/m³ above background: dust suppression			
>25 ppm above background: STOP	>0.15 mg/m³ above background: STOP			

AKRF, Inc. Sky View Para Flushing Ny Environmental Consultants  Air Monitoring Log						
Project: 435 E. 13th Street & 432 E. 14th Street Sign					Client: Skyvieu	Date: 12/21/16
Work Activity:	Subs	voluce	warmay C	yourd	10~ (9:2FL)	
		`	2 10 3'	555 (R	MZA)	Job No: 12020 30141
Weather: (	lev	~ 32			Wind Direction:	west Wind Speed: 500)
TIME	roc	ATION	PID (ppm)	DUST (mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone, upwind o downwind) - Ail
09:10	ariz 1	-6	NP	0.003	Non	BACKGROUND Upward ( ust)
09:25	il		ND	0.004	Nord	Dun. ( cast)
09:48	Į t		ND	0.001	None	W Work Zone Clerator brikin
09 59	1	I (	NO	0.004	NONE	Exception
10.10	11	11	ND	0,025	NONE	Frantin
10:25	1	]]	ND	0.021	NONE	Excition /Jailhammen
10:40	11	11	ND	0.019	NONE	Excolation / John homering
10:55	11	11	NV	0.021	NONE	Excovotion/ took hamen
11:10	11	11	NO	0.018	NONE	Excaption / Such hommer of
11:25	1/	11	NO	0.022	NONE	Exidition / Joel homeine
11:40	11	11	NO	0.007	NONE	Exister
11:55	11	11	ND	0.012	NONE	Fraction/ Joel hangers
17 50	11	Ч	NO	0.005	NON	Excitation/ Jeck Homesing
12:55	11	11	NO	0.010	NONE	Exabition / Jackhamerin
13:10	11	11	No	0.007	NONE	Excelection Jed & muling
13:25	11	11	NO	0.020	NONE	Excaption/ Solt Hommer
13.40	11		ND	0.017	NONE	Excoration I Tal Homorphy
13:55	11	11	ND	0.026	NONE	Exception
14:10	1	11	NO	0.018	NONE	Exalotion
14:25	1)		ND	0.011	NONE	Excelotion
14:40	11	11	ND	0.020	NONE	Exception
14:55	_//		NO	0.017	NONE	Excolor
15:10	"	,h	ND	0.013	NONE	Excelation Jed Hammening
16 50	ans Astion Los	note //	<i>^\</i> \^	0.015	NONE	Excitor on To Whenmery y (Perimeter) Action Levels
Work Zone Action Levels  <10 ppm: level D				OVM	DUST	
>10 ppm: level C		est-suppression.		>5 ppm above backgr	ound:vapor suppression	>0.1 mg/m³ above background:dust suppression
ppm: STOP	>5 mg/m³: leve	ic -	C .	>25 ppm above back		>0.15 mg/m³ above background: STOP
	>125mg/m <sup>3</sup> : S	TOP	>125-550	)		

pop 10/2

AKRF, Inc.	nsultants SNy	Wax Ponc-	Flushing		Air Monitoring Log
Project:	435 E. 13th Street & 4			Client: Strance	-Owner LLO Date:  2/2///6
Work Activity:	Subsuface us	tilling exco	letion (6	in F6)	Logged By: Man Collection  Job No: 12020
	lea = 32°F	ys od	(+1)	Wind Direction:	
TIME	LOCATION	PID (ppm)	DUST (mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone, upwind or downwind)
15:40	Gud F6	ND	9.020	NONE	BACKGROUND A GLOCKICA
12:22	Gull F6	ND	0-014	NONE	Excertion Excertion
16:10	Gubl F6	NA	0-022	NONE	Kocastin
16 725	Fred F6	NN	0.018	NONE	Excitation
		11 (2011) 11 (1011)			
					)
		the despitement of the common of the second			

Work Zone Action Levels				
<10 ppm: level D <5 mg/m³: level D				
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression			
>20 ppm: STOP	>5 mg/m <sup>3</sup> : level C			
	>125mg/m³: STOP			

Community (Perimeter) Action Levels				
OVM DUST				
>5 ppm above background:vapor suppression	>0.1 mg/m <sup>3</sup> above background:dust suppression			
>25 ppm above background: STOP	>0.15 mg/m³ above background: STOP			



AKRF, Inc. Environmental Co	onsultants \	Elishing,	BUE		Air Monitoring Log
Project:	435 E. 13th Street & 4	32 E. 14th Stre	et	Client: Skyli. 8	Owner-LLC- Date: 19/22/16
Work Activity:	Subsufea V	dity is	colotion (	(BND (F6)	Logged By: Marco Bollotto
		.//	(RIGA)		Job No: 12020
Weather: C	andy =	32 F		Wind Direction:	1 177.2
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwing or downwind)
7:30	Full FL	NO	0.006	NONE	BACKGROUND lynewind ( West)
7:45	Gud FG	NO	9.005	NONF	Darneind (Est)
8200	Gul F6	M	5.002	NONE	Waltene - Elevata Buloky (FC
8:15	Frist F6	NO	9.210	NONE	Exceletion
8.30	Fuil F6	NO	0.007	NONE	Excelotion Excelotion
8:45	Gal F6	MS	0.011	NONE	Excelotion
9:00	Grid F6	ND	0.020	NONE	Examplian
8:10	Grid F6	NO	0.017	NONE	Franotion
975	Grid FG	ND	0.015	MONE	Livota
10:00	Gard F6	NN	0.916	NONE	ti Ghatia
10:15	Gud F6	ND	0.022	NONE	Excolotia
10:30	Gul F6	ND	0.016	MONE	Erolothan
10:65	and F6	M	0.021	NONE	Solotion
11:00	Fred F6	No	0.017	MONE	Excalotion
1/15	Gul F6	MD	0.0/3	NONE	Exaction
11:30	Buyl F6	ND	0.019	NONE	Exclosion
11:45	67 Km3	NO	0.020	NONE	Exclosion
			-0		
				No. of the State o	
			and the second s		

Work Zone Action Levels				
<10 ppm: level D <5 mg/m³: level D				
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression			
>20 ppm: STOP	>5 mg/m³; level C			
	>125mg/m³; STOP			

Community (Perimeter) Action Levels				
OVM DUST				
>5 ppm above background:vapor suppression	>0.1 mg/m <sup>1</sup> above background:dust suppression			
>25 ppm above background: STOP	>0.15 mg/m³ above background: STOP			

AKRF, Inc.					Air Monitoring Log	
Environmental Cor Project:	Flushing Industrial Pa	ırk			Date: 12/30/16	
Work Activity:	+ Excelotion 1	n RHZAJ	a utility.	location	Logged By:	
7	Socrables purs	why wanted	with som	MZA	Job No: 30 41-0116	
Weather:	loudy 36.	F'		Wind Direction:	Wind Speed: Bry	w/S
TIME	LOCATION	PID (ppm)	DUST (mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone, upwind or downwind)	
11:10	End F 6	ND	0.005	NONE	BACKGROUND - Upwind Perimeter	
N:25	Ful F6	ND	0.007	NONE	BACKGROUND - Downwind Perimeter	
11:40	Gust F6	ND	0.012	NONE	BACKGROUND - Exclusion/Work Zone	
11:55	Guid F6	NA	0,008	NONE	Exception & Bolling	
12:30	End F6	NO	0.011	NONE	Pule Dulling	
12:45	Fiel F6	ND	0.021	NONE	Rule Dellong	
13200	Friol F6	ND	0.033	NONE	Boddeling	
13:15	Full F6	ND	D-918	NONE	Book filling	
13:30	Gud F6	ND	0.015	NONE	Bockfolling	
13:45	Grad F6	ND	0.021	NONE	Bookfelling	
14:00	Gud FB	NO	0.017	NONE	Soffellong	
14 15	Grid F6	ND	0.015	NONE	Conjugating Bulling	
14:30	Grid F6	NO	5.020	NONE	Consiling Policying Consile	
	=					
:4						
			7			
						Ċ.
		Women's	and a refer to the sent of the section of the			
kc		τ				

Work Zone Action Levels				
OVM DUST				
<10 ppm: level D	<5 mg/in³: level D			
>10 ppm; level C	>2.5 mg/m <sup>3</sup> : dust suppression			
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C			
	>125mg/m <sup>3</sup> : STOP			

Community (Perimeter) Action Levels					
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone)					
OVM					
>5 ppm above background: vapor suppression	1 >0.1 mg/m <sup>3</sup> above background: dust suppression				
>25 ppm above background: STOP	>0.15 mg/m³ above background: STOP				

AKRF, Inc.					Air Monitoring Log
Environmental Cor					0/02/17
Project:	Flushing Industrial Pa	ark Nowsh of	0 Q N.	to all	Date: 0//03// +
Work Activity:	* U ~ 1 / 7 /			1	Logged By:
+	chapping concets to	holaxolotia	r won Such ?	F6	Job No: 30141-0116
Weather:	erm 43°F		-11	Wind Direction:	Wind Speed: 6 mg
TIME	LOCATION	PID (ppm)	<b>DUST</b> (mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone, upwind or downwind)
11:40	NA	NA	NA	NA	BACKGROUND - Upwind Perimeter
- HA	100 4	7100			BACKGROUND - Downwind Perimeter
100	AHETER	10116	RINK		BACKGROUND - Exclusion/Work Zone
33	CAUSE	257	24/4		Roin
				1	Roin
16:45	MA	NA	NA.	NA	Rolz
	*				
				Zi .	
		. 10	7		
		$\times$ (			
			1		
		e/			
	_				
BS					
0)					
Σ	×				

Work Zone Action Levels				
OVM DUST				
<10 ppm: level D	<5 mg/m³: level D			
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression			
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C			
6.00	>125mg/m <sup>3</sup> : STOP			

Community (Perimeter) Action Levels			
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone)			
OVM DUST			
>5 ppm above background: vapor suppression >0.1 mg/m³ above background: dust suppression			
>25 ppm above background: STOP >0.15 mg/m³ above background: STOP			

AKRF, Inc. Environmental Co	onsultants				Air Monitoring Log
Project:	Flushing Industrial P	ark			Date: 0/09//3
Work Activity:	+ Exception for	alian (	B-cel 2 - Gra	I utility of	Logged By:
		in Post 2	po elivota o	willy	Job No: 3 0/6/-01/6
Weather:	15 of clo	udy o		Wind Direction:	Wind Speed: 15 mg
TIME	LOCATION	(ppm)	DUST (mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:45	Guil F6	NS	2.01B	NONE	BACKGROUND - Upwind Perimeter
9:00	Gail F6	ND	0.721	NONE	BACKGROUND - Downwind Perimeter
3:15	6~sl F6	MO	0-0/7	NONE	BACKGROUND - Exclusion/Work Zone
3:30	Fud F6	NO	0.028	NONE	Chapping Asphalt
9:65	Frod P6	NO	0.015	NONE	Charles Anghalt
10:00	Grad F6	NO	0.019	MONE	Organia Ashalt
10715	Frul F6	ND	0.025	NONE	Chambe Affalt
10:30	Full F6	ND	fso.c	NONE	Chelling Aghelt
10:45	Frol F6	NA	20024	MONE	Chaping Amalt Enotion
11:00	5-19 F 6	NO	0.016	NONE	Excitation/aging
11:15	Ful F6	NO	0,023	NONE	Exception Deckhaming
11:30	Full F6	NO	9.019	NONE	Exception / Jad home
11:45	Gubl F6	NO	3/0.0	NONE	Extolation / Jose harmy
15:30	Gubl F6	NO	2.029	NONE	Exchation / Top haming
12:45	Frol F6	ND	0.031	NONE	Exceletion Sockformery
13:00	Frist F6	ND	0.927	MONE	Explotion Tollhomery
13:15	Enol F6	M	0,033	NONE	to Get an / Jad hemmy
13:30	Fred F6	MD	0.760	NONE	Exception / Selhorming
13:45	Gry F6	M	0.931	NONE	Explotion
14:05	Fred F6	NO	0.927	NONE	tradiction
14:15	Enol F6	ND	9.922	NONE	Exception
14:30	Enol F6	ND	0.030	NONE	Excelationline
14:45	Ful F6	ND	0-025	NONE	Exception

nog 2 of 2)

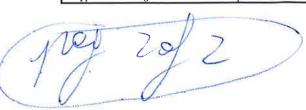
Work Zone Action Levels				
OVM DUST				
<10 ppm: level D	<5 mg/m <sup>3</sup> ; level D			
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression			
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C			
	>125mg/m <sup>3</sup> : STOP			

Community (Perimeter) Action Levels				
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone)				
OVM DUST				
>5 ppm above background: vapor suppression >0.1 mg/m³ above background: dust suppression				
>25 ppm above background: STOP >0.15 mg/m³ above background: STOP				

AKRF, Inc. Environmental Cor	nsultants				Air Monitoring Log
Project:	Flushing Industrial Pa	ark		0 00	Date: の/ / 0 × / / タ
Work Activity:	of while hilling	o locating location	Ony I han Portel 2- elevotes low	and utility	Logged By: 73  Job No: 30181-0116
Weather: ⊱	5 F Cloudy	, /		Wind Direction:	Wind Speed:
TIME	LOCATION	PID (ppm)	<b>DUST</b> (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
15:00	Frid F6	NO	Q. 033	NONE	BACKGROUND - Upwind Perimeter
15:15	Enol F6	ND	0.028	NONE	BACKGROUND - Downwind Perimeter
15:30	Evist F6	NO	0.030	NONE	BACKGROUND - Exclusion/Work Zone
15:45	Gul F6	ND	0.027	NONF	Excellen
16:00	Grol F6	MD	0.922	NONE	Fichetion
16:15	END F6	<b>M</b> ) *	2-030	NUNE	Exception
16:30	Frio ( ) 6	NO	0.021	NONE	Ly chaties
	=				
	The state of the s				
		The same of the sa			
	* -				
			X		
			4		
4 9					1
	×	- Committee of the Comm	and the same of th		
					A
- 8					
				7	

Work Zone Action Levels				
OVM DUST				
<10 ppm: level D	<5 mg/m³: level D			
>10 ppm; level C	>2.5 mg/m <sup>3</sup> : dust suppression >5 mg/m <sup>3</sup> : level C			
>500 ppm: STOP				
	>125mg/m <sup>3</sup> : 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 <sup>3</sup> above background: dust suppression		
>25 ppm above background: STOP	>0.15 mg/m³ above background: STOP		



AKRF, Inc. Environmental Co	neultante				Air Monitoring Log
Project:	Flushing Industrial Pa	ark			Date: 6 1/25 17
Work Activity:	+ Excovotion for	attosp	tateat #5	, facel 2,	Logged By: M3 Job No: 30141-0116
Weather:	Coudy 03	F		Wind Direction:	Wind Speed: Bry
TIME	LOCATION	PID (ppm)	<b>DUST</b> (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:00	Guist F6	NO	0.019	NONE	BACKGROUND - Upwind Perimeter
8:15	Frid F6	ND	0.021	NONE	BACKGROUND - Downwind Perimeter
8:30	Gard F6	MS	0.023	NONE	BACKGROUND - Exclusion/Work Zone
8:45	Frod F6	ND	0.0 40	NONE	Exception
9:00	Gned PG	ND	0-033	NONE	Exception
9:15	Gred 76	ND	0.058	NONE	Etalotion
9:30	Good PG	ND	0.969	NONE	Excelotion
		45:			
-					
. <u>U</u>				7>	
			SA		
				5	-
		,			
1					

Work Zone Action Levels				
OVM DUST				
<10 ppm; level D	<5 mg/m³: level D			
>10 ppm: level C	>2.5 mg/m³: dust suppression			
>500 ppm: STOP	>5 mg/m³: level C			
*****	>125mg/m³: STOP			

Community (Perimeter) Action Levels					
(Only if PID>4 ppm above background, or if d	lust>0.75 mg/m <sup>1</sup> above background in Work Zone)				
OVM DUST					
>5 ppm above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression				
>25 ppm above background: STOP	>0.15 mg/m3 above background: STOP				

AKRF, Inc. Environmental C					Air Monitoring Log
Project:	Flushing Industrial,F	Park	Li I		Date: 01/06/17
Work Activity	CDAT HELL	RM 74 SA	I'm Pacel	2 Gol 86/86	Logged By:
	1000	7 11/1	a Hirata buil	Ly	Job No: 30141-0116
Weather:	33 ) Olordy		Inoll Sholly	Wind Direction:	West Wind Speed: Fmyl
TIME	LOCATION	PIÓ (ppm)	DUST (mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone, upwind or downwind)
9:00	5ws E6/F6	MS	0.010	NONE	BACKGROUND - Upwind Perimeter
3.15	Gwl 56/F6	ND	0.011	NONE	BACKGROUND - Downwind Perimeter
Y: 30	End £6/F6	ND	0.013	NONE	BACKGROUND - Exclusion/Work Zone
9:45	Fred E6/ F6	ND	2020	NONE	Exclusion
10:00	Oud F6/F6	ND	0.016	NONE	Excortion
10:15	End E6/F6	ND	0.018	NONE	Ficolation
10:30	First E6/F6	NO	150.0	NONE	Ficulation
10:45	End FG/F 6	ND	250.0	NOVE	Fraktin
11:00	Frol E 6/ F6	NO	0.012	MONE	Ficolation
11:15	End E6/F6	ND	0.022	NONE	Exceletion
11:30	out E6/F6	NO	0.013	NONE	Execution
11:45	52 J 56/F6	NO	0.016	NONE	Krawhim
12:00	End £6/16	NO	0.016	NONE	Egutian
17:30	Const £6/1=6	ND	0.021	NONE	Excolation
12:45	Crul EG/F6	NO	0.0/3	NONE	Execution
13:00	and £ 6/F6	NO	0.018	NONE	Diontion
	Guil E6/56	ND	0.01/	NONE	0
13:30	Enol E6/86	NO	0.014	NONE	Exclotion Exclosion
			X		
				)	
		4		2	

Work Zone Action Levels			
OVM DUST			
<10 ppm; level D	<5 mg/m <sup>3</sup> : level D		
>10 ppm: level C >2.5 mg/m³: dust suppression			
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C		
	>125mg/m³: STOP		

Community (Per	imeter) Action Levels		
(Only if PID>4 ppm above background, or if a	dust>0.75 mg/m <sup>3</sup> above background in Work Zone)		
OVM DUST			
>5 ppm above background: vapor suppression	>0.1 mg/m3 above background; dust suppression		
>25 ppm above background: STOP	>0.15 mg/m³ above background: STOP		

AKRF, Inc. Environmental Col	nsultants				Air Monitoring Log
Project:	Flushing Industrial Pa	ark -	17		Date: 0/////7
Work Activity:	+ Roll Driving	In Roc	el 2 (16		Logged By:
	+ mobiletion	of Sheeting	of Thoney	Son logenthe	Job No: 30/4/-0/16
Weather:	un sond a	louds o	484 0	Wind Direction:	Wind Speed:
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
7					BACKGROUND - Upwind Perimeter
					BACKGROUND - Downwind Perimeter
					BACKGROUND - Exclusion/Work Zone
	A		4		
	11/8	1	10		
				1	
			40	en	
		PF	J		
			(5)		97
			RI	4 A	VI
		1			
		X	/		
				2//1/	/,
	20			9/1/	17
	(6)	(F1			12
	BF		25		
		101	_	XIR	
	L.			1 XC	
	4	CALO	( -	10	
	A		101	,	
	TON	Conve	35		
	14/		<u> </u>		

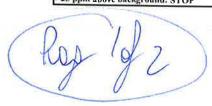
Work	Zone Action Levels		
OVM DUST			
<10 ppm: level D	<5 mg/m³: level D		
>10 ppm: level C >2.5 mg/m <sup>3</sup> : dust suppress			
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C		
	>125mg/m <sup>3</sup> ; STOP		

Community (Perimeter) Action Levels				
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone)				
OVM DUST				
>5 ppm above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression			
>25 ppm above background: STOP	>0.15 mg/m³ above background: STOP			

AKRF, Inc.					Air Monitoring Log
Project:	Flushing Industrial	Park			Date: 01/19/15
Work Activity	10 11 11-	whelt	+ Excelotion	Ja Pot #7/	Logged By:
Manthan C	( to al 20/6	0(56)	1 cotch	Bois	Job No: 30/4/-0116
	len =42°F	PID	DUST	Wind Direction:	7,77
TIME	LOCATION	(ppm)	(mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:10	6 mil F6	ND	S00.0	NONE	BACKGROUND - Upwind Perimeter
8:25	11 1	ND	0.007	NONE	BACKGROUND - Downwind Perimeter
8:40	11 11	ND	0.005	NONE	BACKGROUND - Exclusion/Work Zone
9,00	11 11	ND	0.004	NONE	Boelbelling
3115	11 11	ND	0.903	NONE	Backelline
9>30	11 11	ND	0-005	NONE	Beckelling
3:45	11 11	NO	0.007	NONE	Chapping Byholt
10:00	Fred F6	ND	0.011	NONE	14/ //
10:15	11 /	ND	0:016	NONE	11 11
10:30	11 //	ND	0.010	NONE	11 1
10:85	11 //	NO	0.007	NOWE	11/1/
11:00	11 //	NO	0.009	NONE	11 1
11:15	11	NO	0-0/2	NONE	11 11
11:30	11 //	NS	0.011	NONE	Chaping Aglice
11:45	11 /1	NO	0.015	NONE	Escolina
12:00	End F6	NO	0-008	NONE	Exchally
12:15	Gry F6	NO	0.016	NONE	Extoling Regums
12:30	Gard F6	NO	150.0	NONE	110 1110
15:82	11/1/	NO	0.915	NONE	11 11
13:00	11 11	NO	0.008	NONE	11 11
13:15	1/1/	M	0-003	NONE	11 11
13:30	11 11	ND	0-9/1	NONE	(1 11
13:85	Frol F6	ND	0.014	NOVE	Excelor / Chepins

Work	Zone Action Levels		
OVM DUST			
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D		
>10 ppm: level C >2.5 mg/m <sup>3</sup> : dust suppress			
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C		
	>125mg/m³: STOP		

	imeter) Action Levels			
(Only if PID>4 ppm above background, or if of	lust>0.75 mg/m <sup>3</sup> above background in Work Zone)			
OVM DUST				
>5 ppm above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression			
>25 ppm above background: STOP >0.15 mg/m³ above background: STOP				



AKRF, Inc.	onsultants				Air Monitoring Log	
Project:	Flushing Industrial I	Park			Date: 0//19/17	
Work Activity:	el 2/6 wel F6	yhelt	+ Exception	chit A long	Logged By: MB Job No: 30/4/-0/16	
Weather: (	Clian = 82	°)=	IN A P / CO	Wind Direction:		1
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)	
14:00	Gull F.6	NO	9.016	NONE	BACKGROUND - Upwind Perimeter	50
14:15	11 11	NO	0.013	NONE	BACKGROUND - Downwind-Perimeter	100
14:30	11 11	NO	0.008	NONE	BACKGROUND - Exclusion/Work Zone	E X
16:65	11 11	ND	0-011	NONE	Exception/Steer for	0
15:00	11 1/	ND	0.015	NONE	11 11	
15:15	11 11	NO	0.011	Nove	Storing Low	
15:30	Enol F6	ND	0.016	NONE	Stoping led	
15:45	11 11	ND	0.018	NONE	Fration / Spain	20
16700	11 11	ND	9.012	NONE	Exception /stource	d
16:15	GNOLE 6	ND	0.007	MONE	Ecoton Hoping Dail	
1					100	
						l)
					92	
			$\rightarrow$	->		
						200
						8

Work Zone Action Levels				
OVM DUST				
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D			
>10 ppm: level C >2.5 mg/m <sup>3</sup> : dust suppres				
>500 ppm: STOP	>5 mg/m³; level C			
	>125mg/m <sup>3</sup> : 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				
>0.1 mg/m <sup>3</sup> above background: dust suppression				
>0.15 mg/m³ above background: STOP				



	KRF, Inc.	sultants				Air Monitoring Log
	roject:	Flushing Industrial Part Exception of Renolal of	OR MZ-X	+ Soll in	Fid F6	Date: 0//20/17 Logged By: 1/3
1	Weather:	owly May	467	and have	Wind Direction:	NE Wind Speed: Omy
	TIME	LOCATION	PID (ppm)	DUST (mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone, upwind or downwind)
1	7:30	Guid F6	ND	0.005	NONE	BACKGROUND - Upwind Perimeter
1	7:45	11 11	ND	0.009	NONE	BACKGROUND - Downwind Perimeter
H. September 1	8:00	11 11	ND	0.012	NONE	BACKGROUND - Exclusion/Work Zone
	8:15	11 11	NO	0.033	NONE	Troistion
	8:30	11 11	ND	0.019	NONE	Joch Hammeling
	8165	11 11	ND	250.0	NONE	Jost Hammerine
						Y
	1					
					1/2-1/2	
				ON		
				1		
				A		
				X		
				<b>X</b>		
		1/2				

Work Zone Action Levels				
OVM DUST				
<10 ppm: level D	<5 mg/m³: level D			
>10 ppm: level C >2.5 mg/m <sup>3</sup> : dust suppress				
>500 ppm: STOP	>5 mg/m³: level C			
	>125mg/m³: 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/m³ above background: dust suppression				
>25 ppm above background: STOP >0.15 mg/m³ above background: STOP				

AKRF, Inc. Environmental Co	naultanta				Air Monitoring Log
Project:	Flushing Industrial Pa	ırk			Date: 0//24//7
Work Activity:	+ Excovotion	pround	Files#31	md #11	Logged By:
	up to spling		Rocal 2		Job No: 30/8/-0/16
Weather: √ℓ	my Cloudy - fe	200n - Dight		Wind Direction:	East Wind Speed: 10 hg
TIME	LOCATION	PID (ppm)	ODUST (mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:00	Grid F6	ND	0.005	NONE	BACKGROUND - Upwind Perimeter
8:15	God F6	NO	0.007	NONE	BACKGROUND - Downwind Perimeter
8:30	Gud FC	NO	800-0	NONE	BACKGROUND - Exclusion/Work Zone
	Ala	1			
	10	111			
			n 0		
			MON	1701	2/A/B
				( )	
		<b>A</b>	1	FORMI	= /
		-	CITY	V	-1)
				DX	
			2(/	24/17	
		05	166		
			CAV.		
			The second secon	PERIO	120
		(	OFR	AN	

Work Zone Action Levels				
OVM DUST				
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D			
>10 ppm: level C >2.5 mg/m <sup>3</sup> : dust suppressi				
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C			
	>125mg/m <sup>3</sup> : STOP			

Community (Perimeter) Action Levels				
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone)				
OVM DUST				
>5 ppm above background: vapor suppression >0.1 mg/m³ above background: dust suppression				
>25 ppm above background: STOP >0.15 mg/m³ above background: STOP				

AKRF, Inc.					
Environmental C  Project:					Air Monitoring Log
Work Activity	Flushing Industria	l Park			Date: 01/26/17
- Cuvity:	to to the state of	n in Parel	72/0 14	1.20	Logged By:
Weather: 20	who in the AM	5 It in der	The Good F6	indivor	Job No:
TIME	I MM.	Cloudy by Mrs.		Wind Direction	Wind Speed:
11120	LOCATION	(ppm)	DUST	ODORS	COMMENTS (activity; work zone, upwind or downwind)
11-30	Full F 6	No	(mg/m <sup>3</sup> )	NONE	BACKGROUND - Upwind Perimeter
11:55	Frid F6	100	F00.0	~	BACKGROUND - Downwind Perimeter
12:00	Gud F6	ND	0.01)	NONE	BACKGROUND - Exclusion/Work Zone
12:15	Find F6	NO	0.017	NONE	Excustion / Stoping Lall
12130	Girl F6	ND	0.014	NONE	Sant of the
12:45	From F6	ND	0.017	NONE	
13:00	End F6	NO	0.009	NONE	
13115	Frid F6	No	0.010	NONE	
13:30	End FG	NO	0.011	NONE	
13:45	Full F6	NO	0.009	NONE	
14:00	Frol F6	No	0,014	NONE	11 11
14:15	and F6	ND	0.016	NONE	1) 1/
14:30	Enol F6	NO	0.007	NONE	11 11
14145	and F6	ND	0.009	NONE	11 11
15:00	Enol F6	ND	0.00	NONE	11 11
15:15	Bud F6	NO	0.011	NONE	
15:30	Fubl F6	ND	0.0//	NONE	Exceletion Stoping Sul
15:45	and F6	NO	0_022	MNE	11 18
16:20	Gol F6	110	0.018	NONE	Excotion Degree Lol
16:15	Gd F6	NO	0.011	MNE	
16:30	Gulf 6	ND	0.016	NONE	11 11
16745	Genral F6	NO	0.019	NONE	Fxcustian (Stoping Sal
					199

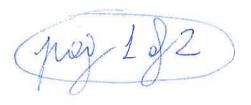
Work Zone Action Levels				
OVM DUST				
<10 ppm: level D	<5 mg/m <sup>3</sup> ; level D			
>10 ppm: level C >2.5 mg/m <sup>3</sup> : dust suppression				
>500 ppm: STOP >5 mg/m <sup>3</sup> : level C				
	>125mg/m <sup>3</sup> : STOP			

Community (Perimeter) Action Levels  (Only if PID>4 ppm above background, or if dust>0.75 mg/m³ above background in Work Zone)				
OVM				
>3 ppm above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression			
>25 ppm above background: STOP	>0.15 mg/m <sup>3</sup> above background: STOP			

AKRF, Inc.					Air Monitoring Log
Project:	Flushing Industrial F				Date: 0/27/17
Work Activity:	+ Excovation for	Melivoton	me orky	Royal 2,	Logged By: HB
	+ lighting, shi	edings in	+ The by	ulkheed	Job No: 3014/
Weather:	loudy 41°	T 0	DUOT	Wind Direction:	
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:00	God F6	NO	2.004	NONE	BACKGROUND - Upwind Perimeter
8:15	6-01 F6	NO	0.003	NONE	BACKGROUND - Downwind Perimeter
B: 30	GN FG	NA	0.005	NONE	BACKGROUND - Exclusion/Work Zone
B745	Gul Fo	ND	0.007	NONE	To cistion Soil of
9.00	(Fuol F6	ND	0.011	NONE	Trovation / Stoping Soil
9:15	Fiel F6	ND	0.010	NONE	1
9:30	Eist F6	ND	0006	NONE	
3.45	Fiol F6	ND	0.009	NONE	
10:00	Gul F6	NS	0.002	NONE	
10:15	Swil F6	ND	2014	NONE	
10:30	Gwd F6	NO	0.0/8	VONE	
10145	Gul F6	NO	0.011	NONE	
11:00	Gol FG	ND	0.009	NONF	
11:15	Guid FG	ND	0.010	NONE	
11:30	Gist F6	ND	0.013	NONE	
1185	Guist F6	ND	0.018	NONE	
12:00	Front F6	ND	0.015	NONE	
12:15	Frid F6	ND	0.016	NONE	
12:30	Guid F6	ND	0.010	NONE	
12-45	Guid F6	NO	0.013	NONE	
13:00	Fio F6	ND	0.055	NONE	
13:15	End F6	MD	0.030	NONE	
13:30	End F6	$\wedge$	0.015	NONF	Exception Stoping Fell

Work Zone Action Levels			
OVM DUST			
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D		
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression		
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C		
	>125mg/m³: STOP		

Community (Perimeter) Action Levels			
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone			
OVM DUST			
	>0.1 mg/m <sup>3</sup> above background: dust suppression		
>25 ppm above background: STOP	>0.15 mg/m³ above background: STOP		



AKRF, Inc.					Air Monitoring Log
Environmental Cor Project:	nsultants  Flushing Industrial Pa	ark			Date: 0 /27/17
Work Activity:	Water and Advanced	Ja elihot	A U. A	n Real 2	Logged By:
706	+ Welsting fee	the grit	ly bull l		Job No: 30/4/-0/16
Weather:	romay 4/1	DID	DUST	Wind Direction:	
TIME	LOCATION	PID (ppm)	(mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
13:45	CIF6	NA	0.021	NONE	BACKGROUND - Upwind Perimeter Exa
14:00	and F6	NA	0.019	NONE	BACKGROUND - Downwind Perimeter
14:15	Guist F6	ND	0.030	NONE	BACKGROUND - Exclusion/Work Zone
14:30	Gui F6	ND	0.024	NONE	Excolation/ Francy
14:65	End F6	ND	0.011	NONE	Dicordian / Stayly
15:00	End F6	ND	0.016	NONE	Tablian/ 2302
15:15	Enil F6	IVD	0.016	NONE	Excitation tregly In
15:30	End F6	NO	3.020	NONE	Daying Lil
15185	Bul F6	ND	2.015	NONE	Sitoging Lail
		-			
					_
		7			
			X	7	
		-			<u> </u>
			- 1		

Work Zone Action Levels			
OVM DUST			
<10 ppin: level D	<5 mg/m <sup>3</sup> : level D		
>10 ppm: level C	0 ppm: level C >2.5 mg/m <sup>3</sup> : dust suppressio		
>500 ppm: STOP	>5 mg/m³: level C		
	>125mg/m³: STOP		

Community (Perimeter) Action Levels			
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone)			
OVM DUST			
>5 ppm above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression		
	>0.15 mg/m³ above background: STOP		



AKRF, Inc. Environmental Co					Air Monitoring Log
Project:	Flushing Industrial F	ark		1	Date: 0//28/17
			10/ F6 for 1	loging	Logged By:
	+ Exception in South side of	ted bill p	ins lecolations	n'asta	Job No: 30141-0116
Weather:	County 38F			Wind Direction:	From West Wind Speed: Rnyl
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:45	Fred F6	ND	0.007	NONE	BACKGROUND - Upwind Perimeter
9:00	First F6	ND	0,009	NONE	BACKGROUND - Downwind Perimeter
9:18	Girl F6	NO	0008	NONE	BACKGROUND - Exclusion/Work Zone
3:30	Gabl F6	NS	0.016	NONE	Chopping Asphalt
3:45	Guid F6	NS	0.922	NONE	Chapliny Ashalt
10:00	Cuel F6	ND	2.028	NONE	Charing Scholt
10115	Gud F6	ND	0.013	NONE	displing Agholt
10/30	Guist P6	NO	0.023	NONE	Chapting Anholt
10:45	Gub F6	NO	0.016	NONE	To doll of Chapling Aghel
[1:30	Fred F6	ND	0-014	NONE	
11:15	Fruil F6	MO	0.020	NONE	1
(1:30	and P6	NO	0.022	NONE	10 11
11:45	and F6	ND	0.024	NONE	11 1 11
CO:51	Fred F6	NO	0.026	NONE	11 11
12:45	End PG	ND	0.0/7	NONE	11
13:20	Frid F6	NS	0.019	NONE	11
13:15	Gred F6	ND	0.023	NONE	11 11
13:30	Fred FG	NO	0.026	NONE	Excoldian Chaping Bull
13:145	Fred F6	ND	0.915	NONE	
(4; x)	Gred F6	NO	0.9/8	NONE	11
14:15	God FG	NO	9.919	NONE	11
14:30	End F6	NO	9.72]	NONE	Excustion Chappens to about
16:85	End 16	ND	0,042	NONE	Chapping Asphalt
15:00 Work 7	Frid FG	ND	0.019	MONE	draping Maholt
OVM	one Action Levels  DUST		(Only if PID>4 ppm s		meter) Action Levels  ust>0.75 mg/m³ above background in Work Zone)
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D			OVM	DUST
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression		>5 ppm above backgr	ound: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression
	>5 mg/m³; level C		>25 ppm above back	ground: STOP	>0.15 mg/m³ above background: STOP
	>125mg/m <sup>3</sup> : STOP				

Air Monitoring Log								
AKRF, Inc.	KRF, Inc.							
2 1 1	Flushing Industrial Park							
Work Activity:	Fexceletion in for 5y19031	glavor fu	to Clot-	Book)	Logged By:   1/3			
	7 7 7 7		eltry of Du		From, Wand Speed: 70 1			
Weather:	londy 36°	PID	DUST	Wind Direction:	COMMENTS (activity; work zone,			
TIME	LOCATION	(ppm)	(mg/m <sup>3</sup> )	ODORS	upwind or downwind)			
8:15	Gud F6	ND	0.009	NONE	BACKGROUND - Upwind Perimeter			
8:30	Ond F6	No	2011	NONE	BACKGROUND - Downwind Perimeter			
8:45	G-0 F6	No	0018	NONE	BACKGROUND - Exclusion/Work Zone			
3:00	Ond F6	ND	0.066		Ecaston / Deline			
9 15	Gris F6	NO	0.082	NONE	1			
9,30	Guil F6	NO	0.077	NONE				
3:45	Girl F6	NO	0.055	NONE				
10:00	First F6	ND	0.019	NONE				
10:15	Guil F6	CN	880.0	NONE				
10:30	6mg F6	No	0.061	NOVE				
10.45	Guil F6	No	0.039	VONE				
11:00	Grid F6	NO	0.044	NONE				
11:15	Fish 5-6	NO	0.041	NONE				
11:30	Bust F6	ND	0.037	NONE				
11:45	Girl F6	NO	0.019	NONE				
12:00	Friol F 6	ND	0.022	NONE				
12:30	Girl 56	ND	0.030	NONE				
12:45	Evil F6	ND	J.057	NONE				
13.00	Frid F6	ND	0.061	NONE				
13.15	End F6	ND	0.00	NONE				
13.30	God F6	NO	0.012	NONE				
13:45	Exist F6	ND	0.016	NONE	V			
14:00	Fix F6	NO	0.021	NONE	Exaction Little			

Work Zone Action Levels				
OVM DUST				
<10 ppm: level D <5 mg/m³: level D				
>10 ppm: level C	om: level C >2.5 mg/m <sup>3</sup> : dust suppression			
>500 ppm: STOP	>5 mg/m': level C			
>125mg/m <sup>3</sup> : STOP				

	imeter) Action Levels dust>0.75 mg/m³ above background in Work Zone	
OVM	DUST	
>5 ppm above background: vapor suppression	n >0.1 mg/m³ above background: dust suppression	
>25 ppm above background: STOP >0.15 mg/m³ above background: ST		
19 1 g/2	20.15 mg/m above background; STOP	

AKRF, Inc.					
Project.	nsultants				Air Monitoring Log
1.00	P.	Park			1- (12-11)
	1 COVATA TA	in slevot	on pits (.	MMZ-Brown	Date: 0//30/L
Weather:	Loudy 36	(b)	h + Weldi	me at Buell	Job No: 3 0141-0116
TIME	1	PID	DUCT	Wind Direction	Trinia openii
14:15	LOCATION	(ppm)	DUST (mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone, upwind or downwind)
14:30	Gud F6	ND	0.033	NONE	BACKGROUND - Upwind Perimeter
14:45	Gard F6	ND	0048	NONE	BACKGROUND - Downwind Perimeter
1	End F6	ND	0.030	NOVE	BACKGROUND Exclusion/Work Zone
15:00	and FG	ND	0.04	NONE	Exception Staring
15:15	Gud F6	ND	0.050	NONE	Ecastion/ Staging Level
15:30	End F6	NO	0.037	NONE	Exastion Steping Del
15:45	Find F6	ND	0.044	NONE	Econstian Stepy Soil
16:00	1-20 F6	ND	2.223	NONE	Exaction / Staying Bal
16:15	Gril F6	ND	0.033	NONE	Endstron / Staying Loil
16:30	G-6 F6	NO	2068	NONE	Exception / Physics Doil
16:45	End F6	ND	0.052	NONE	Exception Day Lak
17:07	Erist F6	Ns	0.064	NONE	Exciden/ Megale
17:15	Grid F6	No	2,028	NONE	Excolation Trying and
17:30	Gud F6	NO	0.033	NONE	Exaction / Myry Led
				1	
			. 1		
			AXX		
		X	9/	111	
			FHH	113011	
		- 5	11		

Work Zone Action Levels			
DUST			
OVM	<5 mg/m <sup>3</sup> : level D		
<10 ppm. level 2			
10 som level c			
>500 ppm: STOP	>125mg/m <sup>3</sup> : STOP		
	>1LSing in		

Community (Per	imeter) Action Levels	
(Only if PID>4 ppm above background, or if d	hust>0.75 mg/m³ above background	
Only if PID>4 ppm above background, or if dust>0.75 mg/m³ above background in Work Zone		
>5 ppm above background: vapor suppression	>0.1 mg/m³ above background: dust suppression	
>25 ppm above background: STOP	>0.15 mg/m <sup>3</sup> above background: STOP	
	arrigionno: 21.0b	

ng 2gz

AKRF, Inc. Environmental O			14		Air Monitoring Log
Project: Work Activity	Flushing Industrial P	Gusta Pet C	CH7-B) of full	hal 2/Grey	Date: 0/3///2 Logged By: M3 Job No: 30/8/-0//6
Weather: (				Wind Direction	Wind Speed: 5mg
TIME	LOCATION	PID (ppm)	DUST / (mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:00	Full > 6	NO	0.005	NONE	BACKGROUND - Upwind Perimeter
8:15	F-V F-6	ND	0.006	NONE	BACKGROUND - Downwind Perimeter
8:30	G-01 F6	NO	0-00.8	NONE	BACKGROUND - Exclusion/Work Zone
8:45	(F-U) F6	ND	0.912	NONE	Exception & Style
CO: 6	(7-6) F6	NO	0.007	NONE	Exception Stary Sel
9:15	(Ind F6	M	0.011	NONE	A
3.30	Enry FG	ND	0.020	NO NE	
3:45	End F6	ND	0.019	NOVE	7
0:00	(Fi) 76	NO	0.017	NONE	Exception Steping Soil
		Lili		en entre	
	SECAUS				
	- (//-)	£ 0	F SA	316/NZ	
	AIR	HON	TORIN	0-	1.500
		100	10/4/	6/5	****
		11/5/	RUPIF		
		A	1/1	<b>)</b>	
		10			
		10:0	b A		
			7		
	7 =				
7.					

Work?	Zone Action Levels		
OVM	DUST		
<10 ppm: level D	<5 mg/m³: level D		
>10 ppm: level C  >2.5 mg/m <sup>3</sup> : dust			
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C		
	>125mg/m <sup>3</sup> : 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			
>5 ppm above background: vapor suppression >0.1 mg/m³ above background: dust suppression			
>25 ppm above background: STOP >0.15 mg/m³ above background: STOP			

AKRF, Inc. Environmental Co	DCUIt-				Air Monitoring Log	
Project; Fluching I.						
Work Activity: + Ed Gold time of Local 3/out At Lagle Ching sometime for the first and Months and digner Weather: Clothay & St.					Date: Q2/0///	
,	+ Coglicting 20m	ly by (12	102 de Al	12	Logged By:	
Weather:	The May and	MATBA	ical digue	se sha	Job No: 3014	
		J	,	Wind Direction:	Wind Speed: 13 mg	
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)	
7130	Cards All AZ	ND	0.007	NONE	BACKGROUND - Upwind Perimeter	
4175	Fully AT/AZ	NO	0.003	NONE	BACKGROUND - Downwind Perimeter	
8790	GALLA NONE	M	2012	Nove	BACKGROUND - Exclusion/Work Zone	
Bis	Greds Af / AZ	ND	0-621	NONE	Exception Solly	
8:30	Gusts All AZ	$\mathcal{N}$	0-033	none	Ecolotron Polit	
	1		V.)		1 300	
	AXO C		2			
	100	)/ (	015	TURBA	NCE	
	,	7-0	R	MF	RECD	
			0 F		1 ( 2 )	
			1	THE	DAY	
	AIR	Max	TOM	NG	10	
	/ / /	7	1	alch		
			WELL	(CAB) E [		
				X		
			1	( )=		
			0			
			0	2 01		
				14/	10	
				l		
Work Zone Action Levels (Only if I			(Only if PID>4 ppm	Community (Perimeter) Action Levels  OVM  OVM  ppm above background, or if dust>0.75 mg/m³ above background in Work Zone)  ppm above background: suppression >0.1 mg/m³ above background		
OVM	<5 mg/m³; level D		(	DVM sound, or if di	ust>0.75 mg/s 3	
<10 ppm: level D >10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression		>25 ppm above backg	kground: Vapor supp.	mg/m' above background in vi	
>10 ppm: level C >500 ppm: STOP	>5 mg/m³: level C	'	- 23 ppm above oac	Fround: STOP Pression	>0.1 mg/m <sup>3</sup> at DUST	
2500 ppin. 3101	>125mg/m <sup>3</sup> : STOP				>0.15 mg/m <sup>3</sup> above background; due	
					meter) Action Levels  ast>0.75 mg/m³ above background in Work Zone)  DUST  0.1 mg/m³ above background: dust suppression  0.15 mg/m³ above background: STOP	

AKRF, Inc. Environmental Con	asultanta				Air M	onitori	ng Log
Project:	Flushing Industrial De	ark				Date: ©¿	102/17
Work Activity:	Excovolion in (	Ka Q-FMS	eliste l.	uloley	Logged By	y: H	B
	t No Accolation	at marine	Bulkher	w o	Job No: 3	Wind Spee	116
Weather:	ously 36.F			Wind Direction		Time open	
TIME	LOCATION	PID (ppm)	<b>DUST</b> (mg/m³)	ODORS	COMMEN upwi	TS (activity; ind or down	work zone, vind)
8:10	oist F6	ND	0.007	NONE	BACKGROU	ND - Upwind F	Perimeter
8:30	GV176	ND	0.011	NONE	BACKGROU	ND - Downwin	d Perimeter
8.45	6.31 F6	NA	0.003	NO NE	BACKGROU	ND - Exclusion	/Work Zone
3:00	Fid F6	ND	0.015	NONE	Excaci	tion / It	guy Lect
9:15	Giol F6	ND	0.013	NONE		' 0	
9:30	End F6	ND	0.011	NONE			j
3:45	Guil F6	ND	0.014	NONE			
10:00	Frid F6	ND	0.016	NONE			
10.15	Fiol F6	NO	0.020	NONE			
10:30	Fuid F6	ND	0.030	NONE		g <sup>2</sup>	
10:45	trid F6	ND	0.046	NONE			( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )
11:00	Exist F6	·ND	0.019	NONE		4	
11:15	End FG	ND	0.024	NONE			
11:30	G-6 F6	110	0.018	NONE			
11:45	End F6	No	0.017	NONE			1
12:00	Rid F6	NO	0.024	NONE		12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-
12:30	Fiel F6	ND	0.019	NOVE			. 1
12:45	End F6	ND	0.024	NONE			
13:00	Full F6	ND	0.03)	NONE		=,.	
13:15	Gid F6	NO	0,040	NONE			7
13/30	(20) F6	MD	0.037	NOVE		-	
13:65	G-01 F6	ND	0.018	NONE	1	14	
14:00	Ed F6	ND	2.015		Broad	ion/St	lied orage

Work Zone Action Levels			
DUST			
<5 mg/m <sup>3</sup> : level D			
>2.5 mg/m <sup>3</sup> : dust suppression			
>5 mg/m <sup>3</sup> : level C			
>125mg/m <sup>3</sup> : STOP			

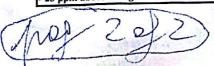
	0		
Community (Peri	meter) Action Levels		
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone			
OVM	DUST		
>5 ppm above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression		
>25 ppm above background: STOP	>0.15 mg/m <sup>3</sup> above background: STOP		

Aug 1d2

AKRF, Inc. Environmental Cor	nsultants				Air Monitoring Log
Project:	Flushing Industrial P	ark		d july	Date: 02/03/17
Work Activity:	+ Excolption in + My Chotion	PAR-BA	t elinte.	bevilange	Logged By: 70/6/201/6
	+ Northboron	E mone	bulkhood	1	Job No: 30/8/-01/6 Wind Speed:
Weather:	Coudy 36 9	) DID	DUST	Wind Direction:	COMMENTS (activity; work zone,
TIME	LOCATION	PID (ppm)	(mg/m <sup>3</sup> )	ODORS	upwind or downwind)
14:15	Garl F.G	ND	0.026	NONE	BACKGROUND - Upwind Perimeter
14/30	and P6	NO)	9:0/8	NONE	BACKGROUND - Downwind Perimeter
14:45	Could F6	ND	0.026	NONF	BACKGROUND Exclusion/Work Zone
15100	Carl F6	ND	0.9/8		Exception Soing Leil
15:15	End F6	NO	2.077	NONE	Exerchen Stoping Leil Exerction Thang Lock
1			+ 7		10
		•	- 44		Ť
1 6			17		
Part.			2018		
		1			
					<u> </u>
					Na .
	(	-			
					#14"
			170	,	
	6				
			7 <sub>2</sub>		

Work Zone Action Levels			
OVM	DUST		
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D		
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression >5 mg/m <sup>3</sup> : level C		
>500 ppm: STOP			
	>125mg/m <sup>3</sup> : STOP		

Community (Peri	meter) Action Levels		
(Only if PID>4 ppm above background, or if dust>0.75 mg/m3 above background in Work Zone			
OVM	DUST		
>5 npm above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression		
>25 ppm above background: STOP	>0.15 mg/m <sup>3</sup> above background: STOP		



AKRF, Inc. Environmental Co					AirM	onitorii	ng Log
Drainet.	Flority and a second	ark				Date: 82	108/17
Work Activity:		two pot	s at Rocali	2/6mil 16	Logged B	3014	3
	mmy 33°F			Wind Direction	: west	Wind Spee	d: 10 mg/s
TIME	LOCATION	PID (ppm)	DUST (mg/m <sup>3</sup> )	ODORS	COMME!	NTS (activity; wind or down	work zone, vind)
8:12	and F6	ND	0.007	NONE	BACKGRO	UND - Upwind f	Perimeter
8:30	and 16	MD	0.009	NONE	30000	UND - Downwir	
8:45	Gad F6/ Eliver	NO	0.014	NONE	45.03	UND - Exclusion	
8:00	Full Foll Education	MD	0.052	NONE	Exam	tion in	id Let
8:16	Quil F6	ND	0,063	NONE		1	
9:30	6-4 F6	ND	0.055	MONE			
3:66	Gubl F6	ND	0.060	MONE			
<b>10</b> 200	Gard F6/ Elight	NO	0-066	NONE			
10:15	GAS F6/FBWA	ND	0500	NONE			
10:30	God F6/Earda	ND	0.055	NONE			
10:45	Good PG	ND	0.088	NONE			
11:00	Full F6	MD	0.039	NONE		The state of the s	William.
11:15	Gril FG/ Flight	WD	0.08/	NONE			
11:30	Grid F6	NO	0.000	NONE			
11:62	Gaiol F6/Eduata	NO	0.067	NONE		38,31 ge - 1	
15:00	6-156/Ehwla	ND	0.061	NONE			
1530		NO	0.058	NONE			
12:68	Gnil F6	ND	0,055				
13:00	6 1 5 ( 5 V 2)	MO	0.037		2.196.00		
13:15	Grid F6/ Eligitar	<u> </u>	0.015	NONE			
13:30	6-16/16	Mo	0.060	NONE	^	-	
13:65	Ford F6/Elivate	ND	0-051	NONE	V	, ,	1
16:00	6-d F6/Elivates	MD	0.019	NOWE	Ecolor	for Insile	list

Work Zone Action Levels			
OVM	DUST		
<10 ppm; level D	<5 mg/m <sup>3</sup> : level D		
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression		
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C		
	>125mg/m <sup>3</sup> : STOP		

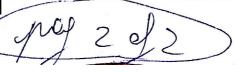
Community (Per	imeter) Action Levels		
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone			
OVM	DUST		
>5 ppm above background: vapor suppression	>0.1 mg/m³ above background: dust suppression		
>25 ppm above background: STOP	>0.15 mg/m <sup>3</sup> above background: STOP		



AKRF, Inc. Environmental Co	nsultants				Air Monitoring Log
		ark .	.10	11	Date: 02/09/17
Work Activity:	Flushing Industrial P	alwater just	o clop so	fond 16	Logged By: 773  Job No: 3 0/8/
Weather:	Juny 339			Wind Direction:	Wind Speed: Omb
TIME	LOCATION	PID (ppm)	DUST (mg/m <sup>3</sup> )	odors	COMMENTS (activity; work zone, upwind or downwind)
16:15	Grad 76/Elisan	NO	0.030	NONE	BACKGROUND Upwind Perimeter in the
16:30	Friel F6/Fluxer	NO	2007	NONE NONE NONE	BACKGROUND - Dewnwind Perimeter
18:85	and F6/Elufa	NO	0.061	NOVE	BACKGROUND Exclusion/VVork Zone
15:00	Privil F6	NO	2013	NONE	Franction mode But
15:15	End F6	NO	0.023	NONE	Excordion had fut
	* * * * * * * * * * * * * * * * * * *				
		4- 15 e			
			4		
			*		
			1		
				$\overline{}$	
	, v				
			•		
			,	, · · · · · · · · · · · · · · · · · · ·	
			- 12		
V			- w.		
		9		-	

Work Zone Action Levels				
OVM DUST				
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D			
>10 ppm: level C >2.5 mg/m <sup>3</sup> : dust suppres				
>500 ppm: STOP	>5 mg/m³: level C			
	>125mg/m <sup>3</sup> : STOP			

Community (Per	imeter) Action Levels		
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone)			
OVM DUST			
>5 ppm above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression		
>25 ppm above background: STOP	>0.15 mg/m <sup>3</sup> above background: STOP		



## Air Monitoring Log AKRF, Inc. **Environmental Consultants** Date: 02/06/2017 Project: Flushing Industrial Park Logged By: CP Work Activity: Elevator pit shovel excavation around pile se Weather: Class For Store Job No: 30 401 Wind Direction: SSE Wind Speed: 10 mg/ COMMENTS (activity; work zone, DUST PID TIME LOCATION **ODORS** upwind or downwind) (ppm) $(mg/m^3)$ BACKGROUND - Upwind Perimeter 0915 Grid 6 G 0.007 0.0 BACKGROUND - Downwind Perimeter 0930 0.0 0.006 Grid6F 0.0/NT BACKGROUND - Exclusion/Work Zone Orid 6 G 0.005 10.00 0.010 10,5 0.013 0.011 10 30 0.009 10 45 1115 0,010 0.021

Work Zone Action Levels				
OVM DOST				
<10 ppm: level D	Simgran Lievel ()			
>10 ppm: fixel C	-2.5 mg/m <sup>3</sup> dust suppression			
>500 ppm; \$3*OP	>5 mg/m² levei C			
	≥125mg/m <sup>3</sup> : STOP			

Community (Peri (Only if PID>4 ppm above background, or if d	Imeter) Action Levels http://www.background.in-Work Zone
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m² shove background; dust suppression
>25 ppm above background; STOP	-0.15 mg/m above background: STOP

AKRF, Inc. Environmental Co	onsultants			, , <i>,</i>	Air Monitoring Log
Project:	Flushing Industrial D	ark		E.	Data (0) /0 7//7
Work Activity:	+ Exchation is + Colliding	end paint	of Haring	Bult head	Logged By:
Weather:	ein 37°)	= 7000	- Dyes Wie	Wind Direction:	Job No: 30/4/
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
_					BACKGROUND - Upwind Perimeter
$\overline{}$	SEC				BACKGROUND - Downwind Perimeter
$\overline{}$	- CA	5			BACKGROUND - Exclusion/Work Zone
		1	00		
		1/2		RA	
		, ,		1	
			1	50	
			1	RM	
			70		
			-		Eas
					FORMEN
J *					) I'E
			02/6	1/-	
		'		1111	

Work Zone Action Levels			
OVM DUST			
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D		
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression		
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C		
	>125mg/m <sup>3</sup> : STOP		

\*

Community (Per	imeter) Action Levels			
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone				
OVM DUST				
>5 ppm above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression			
>25 ppm above background: STOP	>0.15 mg/m <sup>3</sup> above background: STOP			

AKRF, Inc. Environmental Co					Air Mo	onitoring Log
Project:		lad.		1 2		Date: 02/08/17
Work Activity:	Flushing Industrial P	Eliste Bu	Haire Bul	Whead CMHA and MH	Logged By	110
Weather:	un and Oc		OF	Wind Direction	£	Wind Speed: Fm
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMEN	TS (activity; work zone ind or downwind)
7:05	1/14 alex 3/3 (Such A)/	YND	0-022	NONE	BACKGROU	ND - Upwind Perimeter
7:20	Gust Alle	ND	0.036	NONF	BACKGROUN	ND - Downwind Perimeter
7:35	645 A1/A2	ND	0.080	NONF	BACKGROUN	ND - Exclusion/Work Zone
7:50	G-S AL1A2	ND	0.039	NONE	Ecution	or Deen la
8:05	G-dAI/AZ	ND	0.051	NONE	1	1
2:20	Gud A1/A7/A3	MO	0.065	MONE		
8:35	Grad A3	ND	0.055	MINE		
8:50	G-18 A3	ND	0.063	NONE		
9:05	GA 43	NO	0.067	MAKE		, , , , , , , , , , , , , , , , , , ,
3:20	6-18.13	MO	1200	NONE		The second secon
3:35	GS 12/43	NO	0.066	NONE		
3:50	Ged AZ/A3	10	0053	NONE		
10:05	6-0 A7/143	ND	2080	NOVE	_ \	1
10:20	G-d A3	NO	2051	VONE	Exchange	n/Daging ful
10:35	Gid FG	NI	0.059	NONE	Bentin	
10:50	6-vd F6	ND	0051	NONE		1000
11:05	Ged F6	ND	0.050	NONE		1
11:20	5~d F6	NO	0-033	NONE		
11:35	G201 PG	M	0-060	NONE		
11:50	Gid F6	NO	0051	NONE		
12:05	(20) F6	ND	१२०६/	NONE		1
12:30	Earl FG	NO	0-028	NONE	1/	
12:45	(5-rd FG	NO	6.027	LONE ]	belition/	Plane Freding
				Community (Perim		111

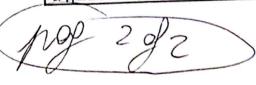
Work Zone Action Levels				
OVM DUST				
<10 ppm: level D	<5 mg/m³: level D			
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression			
>500 ppm: STOP	>5 mg/m <sup>2</sup> ; level C			
	>125mg/m <sup>3</sup> : STOP			

	Community (Pe	rimeter) Action Levels
(Only PID>4 ppm	above bacaground, or if	dust-0.75 mg/m <sup>3</sup> above background in Work Zone)
	or of veror suppression	Dier
>5 ppt drove back; >25 pps above back	haround: STOP	n >0.1 mg/m <sup>3</sup> above background: dust suppression >0.15 mg/m <sup>3</sup> above background: STOP
P S V	13	
1.00 25		
May L		
4	THE PARTY OF	

AKRF, Inc.				j	Air Monitoring Log
Environmental Cor		a mle			Date: 02/08/17
Mork Activity:	Flushing Industrial Part Exception in A Exception of Ele	RMY-1 of Rustan buildin	y in RAFA	elthood and RMFS	Logged By: 45  Job No: 30/\$/
Weather:	un and Clar	ubs =	GOF	Wind Direction:	Eog Wind Speed: Tryli
TIME	LOCATION	PID (ppm)	DUST (mg/m <sup>3</sup> )	ODORS	comments (activity; work zone, upwind or downwind)
13:00	Gred F6	NO	6.061	NONE	BACKGROUND - Upwind Perimeter
13:15	Fid F6	ND	0-037	NONE	BACKGROUND - Downwind Perimeter
13:30	and F6	ND	0.988	NONE	BACKGROUND Exclusion/Work Zone
13:45	Grid F6	NO	0.051		Excaption Plans tooling
14:20	Fred F6	ND	0.022	NONE	
14:15	R. d. F6	ND	0.926	NONE	
16:30	(Ful F6	NO	0,033	NONE	
14:45	Full F6	NA	0.030	NWE	
15:00	Fred FG	ND	0.051	NONE	F 102 102 1/1
15:15	and F6	WD	0,084	NONE	Franklying Grading
					O
	$\leftarrow$				
		E			
				1	

Work Zone Action Levels				
OVM	DUST			
<10 ppm: level D	<5 mg/m³: level D			
>10 ppm_level C >2.5 mg/m <sup>3</sup> : dust suppress				
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C			
	>125mg/m³: STOP			

Community (Peri	meter) Action Levels
(Only if PID>4 ppm above background, or if d	ust>0.75 mg/m³ above background in Work Zone
OVM	DUST
>5 pom above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background dust suppression
>25 ppm above background; STOP	>0.15 mg/m³ above background; STOP



KRF, Inc.	tants				Air Monitoring L
No.24	ushing Industrial P	ark		· · · · ·	Date: 3 1/15/
ork Activity:		MILE. A REAL PROPERTY.	RYKUIT		Job No: 2014)
eather:	2.N.F		, ,	Wind Direction	n: W ) Wind Speed: 7
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone upwind or downwind)
75	B1	NIP	001	ND	BACKGROUND - Upwind Perimeter
713		100	6010	NO	BACKGROUND - Downwind Perimeter
713		MO	,034	NO	BACKGROUND - Exclusion/Work Zone
715		130	013	NO	diggingets frulling
130		, NO	0.016	MD	Inbulkers
745		NO	6.021	ND	
300		ND	0.032	ND	<b>→</b>
830		ND	0.016	NN	Weldno
(0)	1 W	NO	0.070	NO	
0920		NY)	150.0	100	
1000		ND	0.019	ND	\ \tag{\tau}
1000	+ 4	NO	17.0a1	ND	•
			= = = = = = = = = = = = = = = = = = =		
			And the same	1	
	<u> </u>				
			/		
			+ 🗶	· · · · · · · · · · · · · · · · · · ·	7.00
		an and an an an an an	1/		
	N.				
			/		
	Work Zone Action Levels VM DUST	= /	(Only if DIDs 4	Community (Peri	meter) Action Levels
<10 ppm: l >10 ppm: l >500 ppm	level D   <5 mg/m³: level D     >2.5 mg/m³: dust sur	ppression	>5 ppm above backg	round: vapor suppression	DUST  >0.1 mg/m³ above background in Work Zone)
	>125mg/m³: STOP	N .	>25 ppm above back	kground: STOP	>0.1 mg/m <sup>3</sup> above background: dust suppression >0.15 mg/m <sup>3</sup> above background: STOP

AKRF, I	nc.		_		₹.
Environmenta  Project:	al Consultants				Air Monitoring Log
Work Activi	Flushing Industria	11			Date: 02/13/17
	( Gids B3	of Konine	Bulkhers To Plate	, Rongel ?	Logged By:
Weather: $\int$	un and Clar	w 2	Plate	ephone	Job No: 3014/20116
TIME	LOCATION	PID	F	Wind Direction	on: NW Wind Speed: 50mg
7:15	B3 / AC	(ppm)	mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone upwind or downwind)
7230	13/AG	10	0.022	NONE	BACKGROUND - Upwind Perimeter
7:65	B3 / A/c	101)	0.018	NONE	BACKGROUND - Downwind Perimeter
8:00	02/4/	1//)	0,025	NONE	BACKGROUND - Exclusion/Work Zone
Bili	133/AX	ND	0.088	NONE	Exception
8:20	02/14/	NO	0.091	NONE	Exception
B:65	133/14 133/14	10)	0.0 77	WONE	Excelotion
200	03/NX	NO NO	10.0 Bt	NONE	Kelsing
200	133/14/2	NO	100B	NONE	Vielong
2: <b>3</b> (0	133/AX	NO	0099	NONE	Exchitoan
	(33/A)C	ND	0.072	NONE	Exclotion
(2)	133/A4	ND	0.066	NONE	lelding
2:00	33/14	NO	0.026	NONE	Welshing
1215	33/AC	MO	0.099	NONE	Villang
0330	AC (03	ND	0.102	NONE	Chelding
0 1/5	A(10)	NO	0.055	NONE	Wielstoff
11)	12 A4		0.042	NONE	Culdina
(4)	03/14 03/14	ND ND	0.020	NOME	helding
3: \(\pi\)	0-11	\(\frac{1}{2}\)	0245	NONE	Cleban
3:30	133/AS	V()	0.048	NONE	allang
4; 00	B3/A8	ND	0.075	NONE	Wald he
4:15	33/88	NO NO		NONE	Ochong
7'	J)   v   -	/ / /	197	/ V V/VE	Welsing
					A

Work Zone Action Levels			
OVM DUST			
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D		
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression		
>500 ppm: STOP	>5 mg/m³: level C		
	>125mg/m³: STOP		

Community (	(Perimeter) Action Levels
(Only if PID>4 ppm above background, or	r if dust>0.75 mg/m³ above background in Work Zone)
OVM	DNOTE DACKground in Work Zone)
5 ppm above background: vapor suppress	sion >0.1 mg/m³ above background: dust suppression >0.15 mg/m³ above background:
>25 ppm above background: STOP	>0.15 mg/m³ above background: dust suppression
	oackground: STOP

AKRF, Inc. Environmental Con	nsultants				Air Monitoring	g Log
Project:	Flushing Industrial P	ark			Date: 02//	1/13
Work Activity:	+ Collecting end	wont son	Excusion in	PS (11-13)	Logged By:	1
	all out P6 +1	/	e cel 1 (subs		Job No: 30/4/	West to
Weather: Su	n and Cloud	35.4	(	Wind Direction	Wind Speed:	-
TIME	LOCATION	PID (ppm)	DUST (mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; wo upwind or downwind	rk zone, d)
7:15	6rd 76	M	0.015	NONE	BACKGROUND - Upwind Perin	meter
7:30	and F6	NS	0.013	NONE	BACKGROUND - Downwind Po	erimeter
7:45	G-4 F6	NN	0.077	NONE	BACKGROUND - Exclusion/W	ork Zone
8:00	Grof \$6	ND	00/7	NONE	Exception / Stope )	Erd .
B115	Ed F6	MD	0-023	NONE	Escution / Aspita L	ell .
8:30	Gud B3/AG	ND	1800	NONE	Bockpround - Erdung	Want.
8:45	G-d B3/A4	ND	0051	NONE	Exciption/ Hopen	Sil
9:20	Gud 03/AG	NS	0,067	NONE		
3:15	6md B3/A6	ND	0.033	NONE		
9:30	G-id B3/A4	NJ	030,0	NONE	1	
9:45	Fred 03/16	M)	0.051	NOVE		
10100	Could B3/AS	M	0.766	MONE		
12118	Gut B3/1/4	NO	0.060	MONE		
10:30	Gul B3/Ac	MO	0.019	MONE		100
10:45	6-06 B3/A4	ND	450,0	NONE		
11:00	G-vd 33/16	M	2.0 15	NONE		
11:15	Gid 33/A4	NJ	2.780	NONE		
11:30	Gud B3/16	ND	0.033	NONE		-
11:45	G-02 03/A4	ND	850.0	NONE	V	
12:00	Gud 33/A4	ND	0.018	NONE	Exception House	10
					Exception Hopey	<u>un</u>
			4	5		
				<u> </u>		

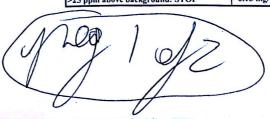
Work	Work Zone Action Levels			
OVM	DUST			
<10 ppm: level D	<5 mg/m³: level D			
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression			
>500 ppm: STOP	>5 mg/m³: level C			
The Control	>125mg/m <sup>3</sup> : STOP			

Community (1	Perimeter) Action Levels
(Only if PID>4 ppm above background, or	if dust>0.75 mg/m³ above background in Work Zone)
OTIVE	Dillom
>5 ppm above background: vapor suppress	sion >0.1 mg/m³ above background: dust suppression
>25 ppm above background; STOP	>0.15 mg/m <sup>3</sup> above background: STOP
	and strong round; STOP

	KRF, Inc.	sultants				Air M	onitoring Log
		Flushing Industrial Pa	rk			Date: 02/28/17	
w	ork Activity: +			(lace C		Logged By	<i>L</i> -
_		. 0				Job No:	30/5/
W	eather:	my 62	ot.	,	Wind Direction:		Wind Speed:
	TIME	LOCATION	PID (ppm)	DUST (mg/m <sup>3</sup> )	ODORS		TS (activity; work zone, ind or downwind)
	6:50	Gubs F6/66	ND	0.008	NONE	BACKGROUN	ID - Upwind Perimeter
	7:05	Fuls F6 /66	NO	0,010	NONE	BACKGROUN	ID - Downwind Perimeter
	7:20	Guds F6/66	ND	0.015	NONE	BACKGROUN	ID - Exclusion/Work Zone
200	7:35	1 个。	M	2025	NONE	Fred	Vory Sel
-	7:50	2	ND	ODEB	NONE		0
To the same of	8:05		ND	2050	NONE		
	B:20		ND	0.061	NONE		
	8:35		ND.	0-033	NONE		
	8:50		ND	0-060	NONE	Ÿ	1
	9:05		· ND	0-029	NONE		long Sail
	9:20		NS	0.042	NONE	Stopen	p Soll
	9:35		NO	0-0 70	NONE	00	
	3:50		M	0229	NONE		
	10:05		ND	2028	NONE	1	1
	10:20		ND.	2037	NONE	Spor	of Lock
	10:25		ND	0066	Nort	Frich.	way Lock
	10:50		M	0.051	NONE	Hoply	Bel
	11:05		NS	0,033	NONE	Japan	g Leif
	11:20		MS	0.051	NONE	Stepling	Loil
	11:35		ND	0.03/2	NONE	holid	Lar
	11:50		M	0.053	NONE	Just	by Loil
	17:05	V 1	NO	0.033	MONE	Indh	y Loff
	17:20	Ends F6/66	N	2.055	NONE	Truly	y foil
	State of the second sec	A STATE OF THE STA	_			0	

Work	Zone Action Levels		
OVM DUST			
<10 ppm: level D	<5 mg/m³: level D >2.5 mg/m³: dust suppression >5 mg/m³: level C		
>10 ppm: level C			
>500 ppm; STOP			
Soc Ppining	>125mg/m <sup>3</sup> : STOP		

meter) Action Levels		
ust>0.75 mg/m3 above background in Work Zone)		
OVM DUST		
>0.1 mg/m <sup>3</sup> above background: dust suppression		
>0.15 mg/m³ above background: STOP		



KRF, Inc.	nsultants				Air Monitoring Log
roject:	Flushing Industrial Pa	rk			Date: 92/28//1
Nork Activity:	+ TrueNong Sol	of (RM7	-B 2011)		Logged By:  Job No: 30/8/
Weather:	unny 62	e F		Wind Direction:	- (/
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
12-35	Fuls F6/66	MD	0.029	NONE	BACKGROUND—Upwind Perimeter
12:50	111	MS	0-0GD	NONE	BACKGROUND - Dewnwind Perimeter
17:05		ND	<b>Q</b> -053	NONE	BACKGROUND Exclusion/Work Zone
13,20		ND	0.08	NONE	Truglang Lel
13:35	(Frest 76/66	ND	2062	NOVE	Stoney soll
17:50	(F201 F6/ F6	ND	0.039	NovE	Holes El
14:05	Feel F6/66	MD	0086	WNE	Thyoy bel
16120	Gest 56/66	MD	0.05-1	NONE	May Sol
16280	Ful 6/66	NO	0.287	NONE	There Lold
( ( -			, ,		
				*.	
			100	/	
		90	129	1/7	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			0		
		(			
					1

Work Zone Action Levels			
OVM	DUST		
<10 ppm; level D	<5 mg/m³: level D		
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression >5 mg/m <sup>3</sup> : level C		
>500 ppm: STOP			
Name of the Association	>125mg/m <sup>3</sup> : STOP		

Community (Per	imeter) Action Levels
(Only if PID>4 ppm above background, or if d	lust>0.75 mg/m <sup>3</sup> above background in Work Zone)
OVM	DUST
5 above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m3 above background: STOP

17

pof 2 of 2

AKRF, Inc. Environmental Con	sultants				Air Monitoring Lo
	Flushing Industrial Pa	ark			Date: 03/02/17
Work Activity: <sup>→</sup>	LXCOVOLION I	et Maire	Bulk hand	(MJA)	Logged By:
Weather:	und 460)	of ropa l	barin ste	Wind Direction	Wind Speed: NUL
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:45	GJA4/B3	ND	2012	NONE	BACKGROUND - Upwind Perimeter
3,00	End A4	$N \wedge$	0.015	NONE	BACKGROUND - Downwind Perimeter
3:15	F-101 .A4	ND	0.018	NONE	BACKGROUND - Exclusion/Work Zone
9:30	G-09 B3	$\mathcal{N}$	0.025	NONE	Eustin in RAPA
3:45	Gud A &	ND	0.030	NONE	No Examplia
10:00	Fred Bj	MD	020	NONE	No Fxederin
10.30	Ful A4	Ns	0.027	NOVE	10 Exclotion
11:00	Kid B3	NO	0.050	VONE	No Exception
11:30	(Fo) B3	ND	0.044	NONE	No Exception
15:00	Gud 33	M	0.037	MONE	No Exchata
12:15	Gid A4	ND	0.02.9	MONE	Boddell
12130	Ful 33	/V ()	0.04/	NONE	Exotion in NATA
12745	Fuld (33	NO	0.20	MONE	// //
13120	Frod (33)	NO	0,039	NONE	Exedotion on Crita
			1/		
		1			
	W				

Work Zone Action Levels		
OVM DUST		
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D	
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression	
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C	
	>125mg/m <sup>3</sup> : STOP	

Community (Peri	meter) Action Levels ust>0.75 mg/m³ above background in Work Zone) DUST
(Only if PID>4 ppm above background, or the	DUST
above background: vapor suppression	>0.1 mg/m³ above background: dust suppression >0.15 mg/m³ above background: STOP
>5 ppm above background: STOP	>0.15 mg/m above background.

KRF,	Inc.					Air Monitoring Log
e any w	ental Consult					Date: 03/03/17
roject:	10	ishing Industrial Parl	ic last int	· V	The dead	Logged By:
Nork A	ctivity:† *	doloton do to	$\rho = \rho$	en I a	Oda (Elluson)	Joh No: 3018/
Month	er: Sw	windship of 10	-100~1 M	thing on	Vind Direction:	Wind Speed: / Smith
Weath		/	PID	DUST		COMMENTS (activity; work zone,
- "	ME	LOCATION	(ppm)	(mg/m <sup>3</sup> )	ODORS	upwind or downwind)
7:0	20 /	Www. Bull	NA	0.007	NONE	BACKGROUND - Upwind Perimeter
7:	15 5	SEd Kain Bulland	ND	0.011	NONE	BACKGROUND - Downwind Perimeter
7.5	30	U A4	ND	0.016	NONE	BACKGROUND - Exclusion/Work Zone
7	45	A4	NO	0.023	NONE	Bodlelling Freding
B	: 00	AX	ND	950.0	NONE	Bodikeling 6 sois
B	15	A4	NO	0.009	NONE	Bockfellow/ breaking
8:	45	BZ	ND	2016	MONE	No Sol In Autore
3	115	AL	M	0.033	MONE	No Soil stratulance
3	:45	33	MO	0.052	NovE	No Leel ob Aubonce
10	0;15	02/03	M	0.080	NONE	Excellion
1	0130	02/03	ND	6500	MONE	Ex Gholion
	2:45	U2/03	100	0030	MNE	Es colotia
	1:00	155	NO	2700	WW	Es Carolia
$\perp$	1:30	BZ	NO	0.019	MONE	No bil surfulance
	2100	07	ND	0.653	NONE	No Bil ob-Turbancy
10	2:30	B2/B3	ND	2.066	MONE	Fortan/Colfilling
	2:45	BZ1B3	MD	0070		Bodilling
	$\alpha$	B2/B3	\\( \)	2071	NONE	Bellalia
	115	37	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0.050	MONE	No Soil sotubore
	3:45	03	ND	0.083	NONE	- C
15	(100	Ax	ND	2055	NONE	1 Sollikk a
15	1115	02/03	.NO	0,050	NONE	OseMO-L,
_				9	}	

Work Zone Action Levels		
OVM DUST		
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D	
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression	
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C	
	>125mg/m³: STOP	

Community (Perimeter) Action Levels				
(Only if PID>4 ppm above background, or if dust>0.75 mg/m³ above background in Work Zone)				
DUCT				
>5 ppm above background: vapor suppression  >0.1 mg/m³ above background; door				
>25 ppm above background: STOP >0.15 mg/m <sup>3</sup> above background: STOP				

AKRF, Inc.	Flushing Industrial Par Flushing Industrial P				Air Monitoring Log
project:	Flushing Industrial Par	mrrtAz	sol of a	to extra	Date: 03/07/
Vork Activity:	1 x 3 B2/B3	+ Relico	molello	l'on 1	Logged By:
	?/°)		ne to all	en ligra bon	4Job No: 30/6/
Veather:	uny 10	PID	DUST	vina Direction	Wind Speed: 1012
TIME	LOCATION	(ppm)	(mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone, upwind or downwind)
7:15	South	ND_	7.007	NONE	BACKGROUND - Upwind Perimeter
7:30	North	$\wedge$	@-011		BACKGROUND - Downwind Perimeter
7:45	132/33		0.012		BACKGROUND - Exclusion/Work Zone
RIVO	B21B3		0.023		Excolation   Welding
Bi 15	B2/B3		9.960		
8:30	B2/B3		0.051		
8:85	F6166		0.044		
9:00	F6/66		0.063		
3:15	B2/B3		0.05/		
3:30	(32)133		0.00		
3765	46/66		0.019	'	
10,00	0.0101		0.027		
10112	76/66		0.037		
10:30			0,06/		
10:45	F6/66		0.072		
11:00	B2/B3		0.059		
11:15	F6/66		0.066	)	
// / 30	F6/66		0.070		
11145	132/33		0.046	3	
12:30	0 32/33		0.081		
12:45	32/33		0.05	5	
13:00		1 4	0.0	)	V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
13:15	B2/B3	NS	160,0	NONE	Exception / Walowing

Work Zone Action Levels			
OVM DUST			
<10 ppm: level D	<5 mg/m³: level D		
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression		
>500 ppm: STOP	>5 mg/m³: level C		
	>125mg/m <sup>3</sup> ; STOP		

L. (Dori	meter) Action Levels
Community (Feri	(net>0.75 mg/m <sup>3</sup> above background in Work Zone)
(Only if PID>4 ppm above background, or it d	mater) Action Levels  mat>0.75 mg/m³ above background in Work Zone)  DUST
OVM	3 Lava background: dust suppression
>5 ppm above background; vapor suppression	>0.1 mg/m <sup>3</sup> above background: STOP
>25 ppm above background: STOP	VOILE

ng 2 of 2

AKRF, Inc.	sultants			A	Air Monitoring Log
Environmental Con Project: Work Activity:	Flushing Industrial Pa	irk LM7/1 20 4 Resconsin gut oller	mollotion Vega so	F6/G6	Date: 03/06/17 Logged By: M 5 Job No: 3 0/6/
0,	mny 34	2'0F	/	Wind Direction:	- 10
Weather:	LOCATION	PID (ppm)	DUST (mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone, upwind or downwind)
12:20	37/33	NO	0.06/	NONE	BACKGROUND - Upwind Perimeter
13.50	R2/R3		0.060	^	BACKGROUND - Downwind Perimeter
13,45	02/03		0,029		BACKGROUND - Exclusion/Work Zone
14:00	132/B3		150.0		Bolling /Frad:
14:30	B2/B3		0.040		Welling
14:45	B2/B3		0037		Idding
15:00	02/03		26035	<i>1</i> V	Welfing
15:15	132/133	No	0.051	NONE	Bodfling /Excelling
					/ //
					U
	. ,				
	+				
			=		
			₩.		

Work Zone Action Levels			
OVM DUST			
<10 ppm: level D	<5 mg/m³: level D		
>10 ppm: level C	>2.5 mg/m³: dust suppression		
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C		
	>125mg/m <sup>3</sup> : STOP		

Community (Perimeter) Action Levels				
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zong				
OVM DUST				
>5 nnm -1 1 1 1 1 mm - summrassion	>0.1 mg/m <sup>3</sup> above background: dust suppression			
>25 ppm above background: Vapor suppression	>0.15 mg/m <sup>3</sup> above background: STOP			

July 2 g 2

Project. $(0.00)$	AKRF, Inc.					Air Monitoring Log
Work Activity: + Exception of Pacil 3 Feel 3	Environmental Cor	nsultants			E	Air Mona 3/27//7
Weather: Com 37 F Wind Direction: SU Wind Speed: 7 m/h  TIME LOCATION PID DUST (mg/m³) ODORS COMMENTS (activity; work zone, upwind or downwind)  1 10 SU MO 0-007 NONE BACKGROUND - Downwind Perimeter  1 25 NE NO 0.011 NONE BACKGROUND - Downwind Perimeter  1 40 A CALLER OF ACKGROUND - Exclusion/Work Zone	Denis at					03/07/
TIME LOCATION PID (ppm) DUST (mg/m³) ODORS COMMENTAL Upwind or downwind)  1 10 SW NO 0-007 NONE BACKGROUND - Upwind Perimeter  1 25 NE NO 0.01/ NONE BACKGROUND - Downwind Perimeter  1 40 A CAN DOWN DOWN DOWN Zone	Work Activity:	+ Excapation	ark O			M3
TIME LOCATION PID (ppm) DUST (mg/m³) ODORS COMMENTAL Upwind or downwind)  1 10 SW NO 0-007 NONE BACKGROUND - Upwind Perimeter  1 25 NE NO 0.011 NONE BACKGROUND - Downwind Perimeter  1 40 A CAN DOWN DOWN DOWN Zone		+ hadolanda	My Cal	I Fred	32/33	Logged By. 3014
TIME LOCATION PID (ppm) DUST (mg/m³) ODORS COMMENTAL Upwind or downwind)  1 10 SW NO 0-007 NONE BACKGROUND - Upwind Perimeter  1 25 NE NO 0.01/ NONE BACKGROUND - Downwind Perimeter  1 40 A CAN DOWN DOWN DOWN Zone	Weather: (	5000 2 2 2 11	of rela	s in elia	to put (Filed	Job No: Wind Speed: 7 m/h
TO SW (ppm) (mg/m³) ODORS Upwind Perimeter  FIZE NO 0.01/ NONE BACKGROUND - Downwind Perimeter  BACKGROUND - Downwind Perimeter  BACKGROUND - Downwind Perimeter  BACKGROUND - Exclusion/Work Zone	TIME	5.7)	-		Wind Direction:	(activity; work zone,
FIND SH MONE BACKGROUND - Upwind Perimeter  AND 0.011 NONE BACKGROUND - Downwind Perimeter  BACKGROUND - Downwind Perimeter  BACKGROUND - Exclusion/Work Zone	IIME	LOCATION	Name of the last o	_	ODORS	upwind or downwind)
7:25 NE NO 0.01/ NONE BACKGROUND - DOWNWIND TOWN  TIGO 160 DOWNWIND TOWN  BACKGROUND - Exclusion/Work Zone	7310	SU		2 2 2		- POUND - Upwind Perime
7 (1) A CA CAGROUND - Exclusion/Work	7:25	NE		/	10010	DOWNWING TO
AIR MANNE  AIR MANNE  AIR MANNE  AIR MANNE  AIR MANNE  AIR MANNE  AIR MANNE  AIR MANNE  AIR MANNE  AIR MANNE  AIR MANNE  AIR MONE  AIR M	7:40	1/1			100,00	BACKGROUND - Exclusion/Work Zone
AIR MONITORING NO PERFORMED SECALSE OF PAIN		1074	A	NA	NONE	
AIR MONITORING NO PERFORMED  OF CAUSE  OF CAMP		,				
DE CAUSE  O3/07/12		A	2 L	1000		
NO PENFONALD  OF CAUSE  ON PAIN  ON PAI		////		CO/V/	19/11	6
SECAUSE OF CAMM O3/07/12			NO 7		PFA	000
03/07/2	x		7	/ ~	6/1/	2/09/
03/07/7			()	CA	V.P.	
03/07/12				2		
03/07/12					1	A111
03/07/7						17//
03/07/2			X			
03/07//2						
03/07/7		(				
03/07//2						
				02	07/	
				1037	1//2	
		2 22				
		100000000000000000000000000000000000000				

Work Zone Action Levels				
OVM	DUST			
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D			
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression			
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C			
200 pp	>125mg/m <sup>3</sup> : STOP			

Community (Per	imeter) Action Levels
(Only if PID>4 ppm above background, or if of	dust>0.75
OVM	imeter) Action Levels  dust>0.75 mg/m³ above background in Work Zone)
>5 ppm above background: vapor suppression	DUST DUST
>25 ppm above background: STOP	DUST  >0.1 mg/m³ above background: dust suppression  >0.15 mg/m³ above background: STACO
	>0.15 mg/m³ above background: dust suppression
	210P

AKRF, Inc. Environmental Co	nsultants				Air Monitoring Log
Project:	Flushing Industrial F	Park			Date: 0 3/08//2
•	+ Willing, excolo	Wan and b	/ 0/	G-v35 B2/33	Logged By:
	t reliand and lon	-simble	anot buil	76/66	Job No: 30/6/
Weather:	11 (12.11 A 1/1)	han Jesman	TOO	Wind Direction	
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
4:15	NY	NO	0.007	NONE	BACKGROUND - Upwind Perimeter
7:30	SE	NO	0.011	NONE	BACKGROUND - Downwind Perimeter
7:45	B2/B3	NO	0.014	NONE	BACKGROUND - Exclusion/Work Zone
8:00	NA	NA	NA	NA	Light Role
8:30	NA	NA	NA	NA	Lyld Roln
3:00	BZ	ND	0.033	NONE	Exculion/Welding
3:15	B3	NS	2,068	NONE	1
9:30	B3	ND	0088	NONE	
9:45	BZ	ND	0.053	NONE	Excevation/Webling
10:00	B2/B3	NO	0.021	NONE	Boer hillen
10:15	B3	ND	0.019	NONE	Bullilling
10:30	<i>B</i> 3	NV	0,040	NONE	Exclusion Older
10:45	BZ	MD	0.054	NONE	
11:15	BZ	ND	0.061	NONE	
11:30	B2/B3	ND	0.072	NONE	
11:45	B3/BZ	NO	0.0 70	NONE	
12:30	B3	ND	0.0 53	NONE	
13:00	03	ND	0,0 27	NONE	
13:15	BZ	ND	0.018	NONE	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
13:30	<i>B</i> 3	NO	0.021	NONE	to cololion/ welding
13:45	<i>B</i> }	NI	01010	NONE	Bookfalley of
14:00	B3	ND	0.072	NONE	Bellead
			J. C.		1

Work	Zone Action Levels	
OVM DUST		
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D	
>10 ppm: level C >2.5 mg/m <sup>3</sup> : dust suppression		
>500 ppm: STOP >5 mg/m³: level C		
	>125mg/m <sup>3</sup> : 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				
>5 ppm above background: vapor suppression >0.1 mg/m³ above background: dust suppression				
>25 ppm above background: STOP	>0.15 mg/m <sup>3</sup> above background: STOP			

AKRF, Inc. Environmental Co	nsultants		Air Monitoring Log		
Project:	Flushing Industrial P	ark			Date: (23/09/17
Work Activity:	+ Pouring con c	ete in E	Sulphead Lister RE	for lolling	Logged By: MA
Weather: Su	mny 6	0%		Wind Direction:	
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
7:15	West	ND	0.007	NONE	BACKGROUND - Upwind Perimeter
7:30	Fod	NO	0.013	NONE	BACKGROUND - Downwind Perimeter
8:00	BZ	M	0.018	NONE	BACKGROUND - Exclusion/Work Zone
8:30	R3	NO	0.037	NONE	En ato Buring
8:00	B3	NO	0.059	NONE	Concete Burne
9:15	03	NO	0.082	NONE	Conc le Butino
					J
			AT	1	
		$\sim$	1/5		
			1 1		1
		03	103/1	7	
		,	/ - / "	·	

Work	Work Zone Action Levels		
OVM DUST			
<10 ppm: level D <5 mg/m <sup>3</sup> : level D			
>10 ppm: level C >2.5 mg/m <sup>3</sup> : dust suppression >500 ppm: STOP >5 mg/m <sup>3</sup> : level C			

Community (Perimeter) Action Levels				
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zon				
OVM DUST				
	>0.1 mg/m <sup>3</sup> above background: dust suppression			
>25 ppm above background: STOP >0.15 mg/m <sup>3</sup> above background: STOP				

AKRF, Inc.	onsultants				Air Monitoring Log
Project:	Flushing Industrial Pa	ark			Date: 03/10/17
Work Activity	: + Inelling 1	47-B00	l lon (	200 F6/66	Logged By:
	+Stoping RM	tA soll	-Escholia	10 De 1601.	Job No: 3014/
Weather:	36 F Snalling		de day o	Wind Direction:	For Wat Wind Speed: 15 mg
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
6:45	West	100	0.013	NONE	BACKGROUND - Upwind Perimeter
00: 5	Fox	100	0.0/7	NONE	BACKGROUND - Downwind Perimeter
7:15	F6/66	ND	0.000	NONE	BACKGROUND - Exclusion/Work Zone
		•		N. N. J.	
			)		
	A A O	AL	R Mol	VITOR	NG
	110	75,	, ,	0.5	
			15	1	(1+0)(1+1)
			35	CAVS	E () F
	,		77	A 7 1/16	
			4		
	-		1	P	ECIPITATION
			X		-LC1   1 J y ) / J (J/
*					N/IN/F
				,	
		<			WORK -
		2/	, /, 7		DAY
		03/,	0/17		
		/	l		

Work	Zone Action Levels	
OVM DUST		
	<5 mg/m <sup>3</sup> : level D	
<10 ppm: level D	>2.5 mg/m <sup>3</sup> : dust suppression	
>10 ppm: level C	>5 mg/m <sup>3</sup> : level C	
>500 ppm: STOP	>125mg/m <sup>3</sup> : STOP	
	>125mg/m . 57	

Community (Per	imeter) Action Levels
OVM	imeter) Action Levels dust>0.75 mg/m³ above background in Work Zone)
>5 ppm above background: vapor suppression	>0.1 mg/m³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m³ above background: STOP

AKRF, Inc. Environmental Cons	sultants				Air Monitoring Log
Project:	Flushing Industrial Pa	ark .	2 1 0		Date: 03////
Work Activity:	Exceldian of Building, but	MATA 25	and be	lose,	Logged By: MA
0			ining 17		Job No: 30/4/
Weather:		PID	DUST	Wind Direction	COMMENTS (activity; work zone,
TIME	LOCATION	(ppm)	(mg/m <sup>3</sup> )	ODORS	upwind or downwind)
5:10	SW	ND	0.011	NONE	BACKGROUND - Upwind Perimeter
3:25	NE	NO	0.08	NONE	BACKGROUND - Downwind Perimeter
9:40	F6/66	NS	0014	NONE	BACKGROUND - Exclusion/Work Zone
10:00	F6/66	NI	0.023	NONE	Excution of MATA Sal
10:15	F6/66	ND	0.017	NONE	Excition Stoping Sel
10:30	F6/66	NA	00/6	NONE	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
10145	F6/66	ND	0.024	NONE	
11! jo	F6/66	ND	00 42	NONE	
11:15	F6/66	ND	0.050	NONE	If Chitian Stephy Soll
11:30	F6/66	No	5020	NONE	Steping Soll
					,
			A		
					>
			01/	1/1/2	
			0)//		
				# / V	

Work	Zone Action Levels		
OVM DUST			
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D		
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression		
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C		
	>125mg/m³: STOP		

	Community (Perimeter) Action Levels  (Only if PID>4 ppm above background are is a
	Comy in 1 in 5-4 ppm above background, or if dust>0.75 mg/m <sup>3</sup>
	Community (Perimeter) Action Levels  OVM  S ppm above background, or if dust>0.75 mg/m³ above background in Work Zone)
	>5 ppm above background: vapor suppression >25 ppm above background: vapor suppression >25 ppm above background: STOP >0.1 mg/m³ above background: dust suppression >0.15 mg/m³ above background: vapor suppression
•	>0.15 mg/m <sup>3</sup> above background: dust suppression
	a watove background: STOP

AKRF, Inc.  Air Monitoring Log					
Environmental Co	Flushing Industrial Pa	irk /	101	Date: 03/16/17	
Project: Work Activity:	+ Bookfilling	al Gulot	5 -6/66 0	round elvote	Logged By:
WORK ACT.	+ Renaul of Jan	Lamora, com	Elisto Pit.	1-11-2000	JOD 140.
Weather: Su	my 24F			Wind Direction:	
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
9:45	South West	NS	0.007	NONF	BACKGROUND - Upwind Perimeter
10:00	Nort Fort	NA	0-006	NONE	BACKGROUND - Downwind Perimeter
10:15	F6/66	NO	0.010	NONE	BACKGROUND - Exclusion/Work Zone
10:30	1	ND	0.016	NONE	Boulding
10:45		ND	0.02/	NONE	1
11:00		NO	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	
16:45		ND	0.015		
13:00		111)	0.0/6	NONE	
13:15		ND	150,0	NONE	
13.30		(VI)	0.020	NONE	
13:55		N/D	0.014	NONE	
14:00		ND	0.016	NONE	
14:15		ND	0.020	NONE	
14:30		NO	0.018	NONE	
4:45		ND	0.017	NONE	
5:00		ND	0.924	NONE	
5:15		ND	0.017	NONE	
5:30		NO	0.040	NONE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5:45	F6/86	ND	0.042	NONE	Bock Jolling
75		de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la			// /

Work	Zone Action Levels	
OVM DUST		
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D	
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression	
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C	
	>125mg/m <sup>3</sup> : STOP	

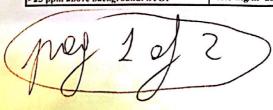
Community (Peri	meter) Action Levels		
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone)			
OVM DUST			
>5 ppm above background: vapor suppression	>0.1 mg/m³ above background: dust suppression		
>25 ppm above background: STOP	>0.15 mg/m³ above background: STOP		

## Air Monitoring Log

AUDE Inc						- 100
AKRF, Inc. Environmental Con	nsultants					Date: 03/17/
		of Folds	1 0 M3-1	Lasil st	Logged By	: MA
Work Activity:	+ 2x white	1000 1000 1000 1000 1000 1000 1000 100	lean wol.	of Estator Pit	Hob No:	3014/
	77	_	(11)	Wind Direction:	SU.	Wind Speed: 73
Weather:	2°F Cloud	PID	DUST	ODORS	COMMEN	TS (activity; work zof
TIME	LOCATION	(ppm)	(mg/m <sup>3</sup> )	ODORS		ind or downwind)
7:00	SW	$M\Lambda$	0,911	NONE		ID - Upwind Perimeter
7:15	NE	NN	0,014		BACKGROUN	ID - Downwind Perimeter
7:30	F6/66	NA	0.012		BACKGROUN	D - Exclusion/Work Zone
7:68	700	$M \wedge$	0.026		Excovation	r/Sign
8-00		NO	0062		$\hat{A}$	1
8:15		NA	0000			
8:30		ND	0.0.73			
8:45		ND	0,019			
9:00		ND	0021			
2:15		NS	22/8			
9:30	3	MA	0.723			
3145		ND	0,86/			
0:00		ND	0.073			
10:15		ND	170.0			
10:30		ND	2.742			
10:45		NN	0.033			
11:00		NO	0.051			
11:15		ND	0.048			
1:30		ND	0.054			
11:45		$N \triangle$	0.031			
12:30	production for a second of	ND	0.029			
12:45		ND	0.060	1 7	1	<u>'</u>
13:00	76/66	ND	2.0 51	NONE !	ts Gratian/	S. John
	The state of the same	Support .		Community (Perim	eter) Action Levels	

Work	Zone Action Levels
OVM	DUST
<10 ppm: level D >10 ppm: level C	<5 mg/m³: level D
	>2.5 mg/m <sup>3</sup> : dust suppression
>500 ppm: STOP	>5 mg/m³: level C
>500 ppm. 5101	>125mg/m <sup>3</sup> : STOP

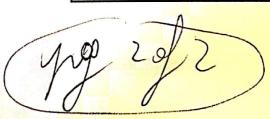
Community (Per	imeter) Action Levels	
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone)		
OVM DUST		
>5 ppm above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression	
	>0.15 mg/m³ above background: STOP	



AKRF, Inc. Environmental Cor					Air Monitoring Log
D:					03/17/12
Work Activity:	Flushing Industrial Pa	6/6/6 O	177 de sail.	ut ofrento	Date: 03/1///
y~	transfer at f of Aug + Reson	s your st,	elvota jut	and sot	Logged By.
Weather: 42	F Cloudy	and a	un	Wind Direction:	Wind Speed:
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
13:15	F6/66	ND	0.039	WNE	BACKGROUND - Upwind Perimeter
13:30	$\uparrow$	ND	2066	NONE	BACKGROUND - Downwind Perimeter
13:45		ND	5.051	NONE	BACKGROUND - Exclusion/Work Zone
15:00		ND	0.060	NONE	Excoloring Maring Lel
16.75		MD	2027	NONE	1
16:30		ND	0.0 /7	NONE	
14:65		$\wedge D$	0018	NONE	
15=00		ND	750.0	NO NE	
15-15		ND	2260	NONE	
15:37		ND	2.250	NONE	
15:65	76/66	ND	206/	MONE	Ecvotion Stoping Lal
/	1				
			-/-		
		6			

Work Zone Action Levels			
OVM DUST			
<10 ppm: level D	<5 mg/m³: level D		
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression		
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C		
	>125mg/m³: STOP		

Community (Perimeter) Action Levels			
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone)			
OVM DUST			
	>0.1 mg/m <sup>3</sup> above background: dust suppression		
>25 ppm above background: STOP	>0.15 mg/m <sup>3</sup> above background: STOP		



AKRF, Inc. Environmental Co	onsultants				Air Monitoring Log
Project:	Flushing Industrial P	ąrk			1/0/17
Nork Activity:	+ No Wall a	main	bulkhes	TA soll in	Date: ()//6/17
-	+ Fockoling a	Mar Sand	soil (RM	7A soll)	Job No: 30/4/
Veather:	Je. 2	70000	76/60	Wind Direction:	Wind Speed:
TIME	LOCATION	PID (ppm)	DUST (mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone, upwind or downwind)
6:00	NE	NO	0.011	NONE	BACKGROUND - Upwind Perimeter
8:15	SUL,	MA	0.013	1 /	BACKGROUND - Downwind Perimeter
8.30	Guish F6/66	NS	0.017		BACKGROUND - Exclusion/Work Zone
2,42		$\sim$	0.071		E water / Dopey Lock
9:00		ND	0.041		100
3:15		ND	0058		
3 ; 30		$N_{\Delta}$	0.044		
3:45		MS	0,037		
10700		$\mathcal{N}\mathcal{D}$	9,029		
011)		$\sim$ $\sim$	8100		
2:30		MD	00 53		
0:45		ND	00 (18		
1:00		M	0.051	,	
1:15		$N_{\odot}$	0.063		
11:30		NO	0040		
1:45		$\sim$	0.032		
(2:30		M	0.040		
12:65		NJ	0.033		
3:00		NO	0.023		
3:15		$\mathcal{N}$	6.018		
:30		NS	0.016		
3:65		ND	0.024	,	
4:00 6.	16/66 dans	ND	0.032	MVE	Kantra / Stepen
	1				77 1000

Work Zone Action Levels			
OVM DUST			
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D		
>10 ppm; level C	>2.5 mg/m <sup>3</sup> : dust suppression		
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C		
	>125mg/m³: STOP		

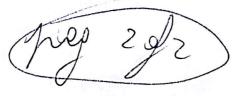
Community (Peri	meter) Action Levels
(Only if PID>4 ppm above background, or if d	ust>0.75 mg/m <sup>3</sup> above background in Work Zone)
OVM	Diagram above background in Work Zone)
>5 ppm above background: vapor suppression	>0.1 mg/m³ above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m³ above background: STOP



AKRF, Inc.					
- Isinental C					Air Monitoring Log
Project:	Flushing Indiana				Air Montoring 2-8
+ Activity	: + No work N	ark		1	Date: 03/18/17
Wass	on and	and man	ne but he	real , a	Logged By:
realner:	Flushing Industrial P  : + No work of the second of the se	1 soul	(RMIA)	Will talles	(Job No: 30/4/
TIME	LOCATION	DIE	·	Wind Direction:	Wind Speed: 9 m/s
14:15		PID (ppm)	DUST (mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work zone, upwind or downwind)
16:20	Emols \$6/66	ND	0.0/7	NNE	BACKGROUND Devimeter
16:45	1	ND	2021		BACKGROUND Downwind Perimeter
15.4		ND	1.0	1-1	RACKGROUND - Exclusion/Work Zone
15:00	Ÿ /	1/0	0.0/3		101 + /400000000000000000000000000000000000
1) 1/6	(miles F6 16 1	$\frac{N}{N}$	0042	/ /	Chappy tophol and Agestal
1	0230 / 6 / 6 6	7.05	00,20	NONE	Clay Anhot and type
					110
	1				
,			*		
		(2)			
y .					
			-		
,					

Work	Zone Action Levels
OVM	DUST
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C
	>125mg/m <sup>3</sup> : STOP

Community (Per	meter) Action Levels				
(Only if PID>4 ppm above background, or if d	(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone)				
OVM	above background in Work Zone)				
>5 ppm above background: vapor suppression	DUST				
>25 ppm above background: STOP	>0.1 mg/m <sup>3</sup> above background: dust suppression				
	>0.15 mg/m <sup>3</sup> above background: STOP				



AKRF, Inc.					Air Monitoring Log
Environmental Consu					Date: (73/20/17
	lushing Industrial Par	-1 -0	Elevile Bu	elgling	Logged By:
	harry frell	of Dula B	Oching 110	of ord Bulling	Job No: 30141
1 A C		low of no	De Bul le	od .Ord Bulstry Wind Direction:	From Wind Speed: 6 mgh
	my 4x4	PID	DUST	,	COMMENTS (activity; work zone,
TIME	L'OCATION	(ppm)	(mg/m <sup>3</sup> )	ODORS	upwind or downwind)
8:00	Kest	ND	0.008	NONE	BACKGROUND - Upwind Perimeter
8:15	Fort	ND	0.014	NONE	BACKGROUND - Downwind Perimeter
8:30	F6/66	ND	0.021	NONE	BACKGROUND - Exclusion/Work Zone
8:65	F6/66	ND	0.017	NONE	Stoping RAFA Sell/Aglast
9:00	F6/66	ND	0042	NONE	
9:15	F6/66	ND	0.019	NONE	
9:30	F6/66	NS	2500	MNE	
3:45	F6/66	ND	0.0 28	NONE	
10:00	F6/166	ND	0.018	NONE	
10:15	F6/66	ND	2041	NONE	
10:30	F6/66	ND	0037	NONE	
10:45	F6/66	MD	0-06/	NONE	
11:00	F6/66	NO	0050	NONE	Stoppe AM7 Sal Chapping
11:30	F6/66	ND	0.055	NONE	Charge Anhold
12:30	76/66	N	0.032	NONE	Chapping Azhalt/ Sloping oil
12:45	F6/66	ND	0.040	NONE	11/1/1
13:00	76/66	ND	0.019	NONE	
13:30	76/66	ND	2200	NONE	
13:45	F6/66	ND	0.028	NONE	
14:00	F6/66	NA	0056	NONE	
18:15	16/66	ND	0.039	NONE	
18:45	F6/66	NV	0.040	NONE	Chaping Aybolt/Stoping
15:00	F6/66	$\bigvee$	6.046	NONE	Exclusion in MtAsoil
15:15	F6/66	J ND	0.051	NONE	Excelotion for CM7400
OVM	Zone Action Levels  DUST	1	(Only if PID>4 pm	Community ( om above background or	Perimeter) Action Levels r if dust>0.75 mg/m³ above background in Work Zone)
<10 ppm: level D	<5 mg/m³: level D	1	(=, + pp	OVM	r if dust>0.75 mg/m² above background in Work Zone)  DÜST
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression		>5 ppm above bac		sion >0.1 mg/m³ above background: dust suppression
>500 ppm: STOP	>5 mg/m³: level C		>25 ppm above b	ackground: STOP	>0.15 mg/m³ above background: STOP
	>125mg/m <sup>3</sup> : STOP				3

AKRF, Inc. Environmental Co	nsultante				Air Monitoring Log
Project:	Flushing Industrial P	ark			1 00/1/1
Work Activity:	tExcusion and	itsery /h	ZA sal st	Elevater Bal	Date: () 3/2///7
+ Intelling	tradin and theban wo Not the Red #21 st	laine bulk	head on	of maine be	Job No: 30/6/
Weather: 4	6. Jum			Wind Directio	100010.
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity, work zone, upwind or downwind)
8:00	NK	NO	0.005	NONE	BACKGROUND - Upwind Perimeter
B:15	SE	ND	2011	NONE	BACKGROUND - Downwind Perimeter
B :30	F-6/66	NO	9-0/B	NONE	BACKGROUND - Exclusion/Work Zone
B145	F6/66	NO	2038	NONE	Exculion/Staging
9100		ND	0.037	NONE	
3:15		ND	0-021	NONE	
9:30		NO	0-0/8	NONE	
3:45		ND	2-9/1	NONE	
10:00		NO	0-921	NONE	
10=15		NO	12.028	NONE	
10:30		NO	0-915.	NONE	
10.85		ND	0.916	NONE	
11:00		NO	0.016	NONE	
11:15		ND	0.022	NONE	
11:30		NO	0-032	MONE	
11:45	26	ND	0-066	NONE	
12:30		ND ND	0.052	NONE	
12345		NS	0-987	NONE	
[3:00	1,000	M	0.960	NONE	
13115		MD	0-937	NONE	
13:30		ND	0.937	NONE	
13:45	V	ND	0-019	NONE	V
14:00	F6/66	ND	0.926	NNE	Exoletion String

Work Zone Action Levels		
OVM DUST		
<10 ppm: level D	<5 mg/m³: level D	
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression	
>500 ppm: STOP	>5 mg/m <sup>2</sup> : level C	
	>125mg/m <sup>3</sup> : STOP	

	imeter) Action Levels
(Only if PID>4 ppm above background, or if of	dust>0.75 mg/m3 above background in Work Zone)
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression
>25 ppm above background: STOP	>0.15 mg/m³ above background: STOP

Air Monitoring Log AKRF, Inc. Environmental Consultants Date: 3/22/17 Project: Flushing Industrial Park RMZA Sail excavation at Parcel 2 Eleven Logged By: SG Work Activity: 30141-0116 Job No: Ruilding Weather: Wind Speed: 2000 Wind Direction: COMMENTS (activity; work zone, DUST PID TIME **ODORS** LOCATION upwind or downwind) (ppm)  $(mg/m^3)$ Elevator Bldg 09:44 ND **BACKGROUND - Upwind Perimeter** ND 0.027 09:47 **BACKGROUND - Downwind Perimeter** NI) 0.013 ND 09:48 BACKGROUND - Exclusion/Work Zone 0.018 ND ND Elevata Building 10:00 G.25 FG/66 0.033 ND NI 10:15 0.018 NI ND 10:30 0.002 11 11 MI 11 10:45 11 11 11 11 ND 0.014 10 11:00 U 11 1. 11 NI 0.006 4 1, KD NO 0.022 11 11 11 1 11:30 NA 0.020 NI) 11:45 ND 0.007 ND 11 . 11 11 0.016 NO 2:00 ND " - South side of exame 11 12:45 ND 0.021 ND 11 0.015 11 13:00 11 ND ND 0.022 11 11 ND 0.028 11 330 1, ND ND 11 11 0-011 11 ND NA 11 1, NO 11 0.029 ND 11 NI 11 0.010 NO) . 0.017 14) 11 14:30 NO 14:45 11 0.021 ND 4 ND 0.012 11 15:00 ND ND

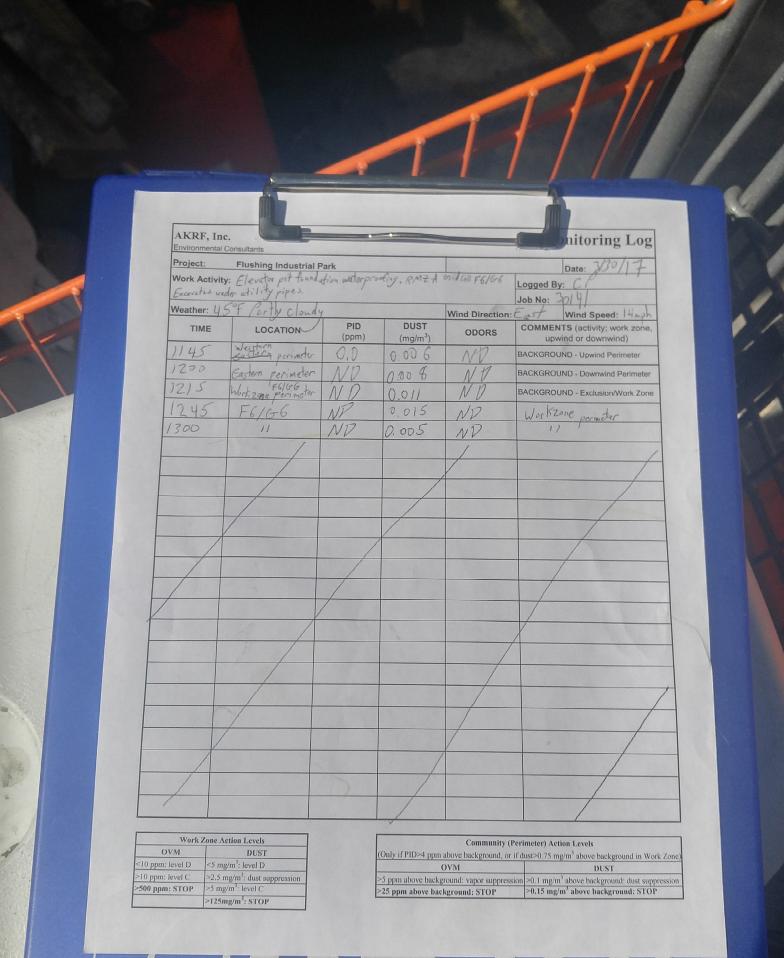
Work Zone Action Levels			
OVM DUST			
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D		
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression		
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C		
	>125mg/m <sup>3</sup> : STOP		

Community (Peri	meter) Action Levels
(Only if PID>4 ppm above background, or if d	ust>0.75 mg/m <sup>3</sup> above background in Work Zone
OVM	DUST
>5 ppm above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background; dust suppression
>25 ppm above background: STOP	>0.15 mg/m³ above background: STOP

AKRF, Inc.					Air Monitoring Log
Environmental Cons Project:	Flushing Industrial Par	rk		×**	Date: 03/23//7
Work Activity:	+ Except on in Formy of tool Relief and dom	RMAA sail	at elevate to	building of slighton Ru	
	Mary 380)	- War /V - 31 m	JULY DOWN	Wind Direction	011)
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
8:15	SUC	N	0.007	NONE	BACKGROUND - Upwind Perimeter
R:30	NF		2.0/3		BACKGROUND - Downwind Perimeter
B145	Gusts F6/66		0.016		BACKGROUND - Exclusion/Work Zone
9:00			0.036		Exception / Steping Soil
3:15			2.251		
8:3P			00 G		7
3:45			0.012		
10:00			2.019		
10'115			0.915	8.50	
10:30			0.021		
10:45			0.026		
1/:00			2.253		
11:15			7.744		
11:30			7.061		
11:45			0.052		
12:30			7.9 63		
12:45			0.744		
13:00			0.929		
13:15	1 (1)	1 0	0031	NONE	Excellin/Happing Lil
13:30	G-is F6/66	110	2.018	11011	CHOVENON / PIDAM > GOV
~			10	7	
			1		
n.					
19				Community	(Perimeter) Action Levels

Work Zone Action Levels			
DUST			
<5 mg/m <sup>3</sup> : level D			
>2.5 mg/m <sup>3</sup> : dust suppression			
>5 mg/m³: level C			
>125mg/m <sup>3</sup> : 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/m³ above background: dust suppression			
>25 ppm above background: STOP	>0.15 mg/m <sup>3</sup> above background: STOP			



AKRF, Inc. Environmental Cor	nsultants				Air Monitoring Log
Project:	Flushing Industrial Pa	ırk .	0		Date: 04/03/17
Work Activity:	Flushing Industrial Pa + Exablian on llubotan boulding	d Hoping	MATA	stot	111
		go reficie	ding som	eder plys	Job No: 30/4/
Weather: 👌	unny 4B°	F	U	Wind Direction:	.1)
TIME	LOCATION	(ppm)	<b>DUST</b> (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
13:15	76/66	$\mathcal{N}$	0.021	NONE	BACKGROUND - Upwind Perimeter
13:30	16/66 No. 40	N	0.013	NONE	BACKGROUND - Downwind Perimeter
15145	76/86	NO	0.016	NONE	BACKGROUND - Exclusion/Work Zone
14:00	F6/66	ND	0.029	NONE	Exception/ Etgang
14:15	F6/66	NO	0140	NONÉ	1
14:30	F6/66	NJ	0.033	NONE	
14:45	76/66	ND	0.021	NONE	
15:00	F6/66	ND	810,0	NONE	
15115	F6/66	NO	0.042	NONE	
15:30	F6/66	ND	0.039	NONE	Excolotion/Stoping
	-			1	7 3000
		* * * * * * * * * * * * * * * * * * *			
		1	_		
			1		
2.	1			A	
1920	14.				
				119	
			04/03	3117	
			UTI	1	
				100 	

Work	Work Zone Action Levels			
OVM DUST				
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D			
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression			
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C			
1	>125mg/m <sup>3</sup> : STOP			

Community (Perimeter) Action Levels				
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone)				
OVM DUST				
>5 ppm above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression			
>25 ppm above background: STOP	>0.15 mg/m <sup>3</sup> above background: STOP			

AMPE					
AKRF, Inc. Environmental Co	onsultants				Air Monitoring Log
Project:	Flushing Industrial Pa	ark			Date: 04/06/17
Work Activity:	+ Fellow Port of	FRM7-A	and of Elic	rdo Bending	Logged By:
Weather:	- 0	Wheel We	oll llow.	Wind Direction:	Job No: 30/4/ Wind Speed: 12 mgh
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	ODORS	COMMENTS (activity; work zone, upwind or downwind)
9:15	NKofall	N()	J-205	NONE	BACKGROUND - Upwind Perimeter
9:30	SE of set	NS	0.011	NONE	BACKGROUND - Downwind Perimeter
9:65	76/66	$\mathcal{N} \cap$	0.012	NONE	BACKGROUND - Exclusion/Work Zone
10:00	F6/66	NY	0.031	NONE	Excition and Story
10:15	F6/66	NA	0.042	NONE	1 ^
10:30	F6/66	NJ	0.018	NONE	
10:45	F6/66	NN	0-013	NONE	
11:00	F6/66	ND	0.024	NONE	
11:15	F6/66	NN	0.051	NONE	
//:30	F6/66	NS	0.077	NONE	
11:45	F6166	MO	0,05B	NONE	
17:00	F6/66	ND	0:107	NONE	
12:15	F6/G6	AN	D-0 BB	NONE	
12:30	F6/66	MO	0253	NONE	
12:45	F6/F6	NO	0.037	NONE	
13:00	F6/66	ND	0-029	NONE	
13:15	F6/66	NO	00/8	NONE	
13:30	F6/66	M	150.0	NONE	
13:45	F6/66	M	0,033	NONE	
14:00	F6/F6	<i>N</i> ()	00 47	Nows	
14:15	F6 /6-6	NO	0.060	MONE	
/4:30	F6/66	N	0.051	NONE	Except and Stating
14:45	F6/66	NY	0 23	NONE	Existin and Italing Sail
15:00	F6/66	<i>NS</i>		Community (Per	rimeter) Action Levels
	Zone Action Levels DUST		(Only if PID>4 ppm	above background, or if	dust>0.75 mg/m³ above background in Work Zone
OVM <10 ppm: level D	<5 mg/m³: level D	]		OVM	n >0.1 mg/m <sup>3</sup> above background: dust suppression
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression		>5 ppm above backg >25 ppm above backg	ekground: STOP	>0.15 mg/m <sup>3</sup> above background: STOP
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C >125mg/m <sup>3</sup> : STOP	1	~23 ppm #0010 225		
1	- Iromani . Di Oi	1			

AKRF, Inc.			Air Monitoring Lo	g		
Environmental Co		ark		,	Date: 04/0 7//	7
Project:	Flushing Industrial P	14 1-6/00	+ Exclustion		Logged By:	- 01
Work Activity:	I Bodything of	F 6166 + 13	tons ord cont	the pouring	Job No: 30/4/	
Weather:	3°F (Pourly	Will 2		Wind Direction:	Wind Speed: 6 m	
TIME	LOCATION	PID (ppm)	mg/m <sup>3</sup> )	ODORS	COMMENTS (activity; work 2/or upwind or downwind)	ie,
9:30	Sle of Fried	N	0.007	NONE	BACKGROUND - Upwind Perimeter	_
9:45	NE of Gus	NS	0.010	NONE	BACKGROUND - Downwind Perimet	
10:00	F6/166	NS	0.0/3	NONE	BACKGROUND - Exclusion/Work Zo	ne
10:15	F6/66	N	0.023	NONE	Bodylling using Kit	The second
10:30	F6/66	M	0.0 (8	NONE	1	
10:45	F6/66	M	2.0.22	NONE		$\dashv$
11:00	76/66	M	0.025	NONE		-
11:15	F6/66	W)	00/8	NONE		gent (
11:30	F6166	N	0.017	NONE		
11:45	F6/66	ND	0.060	NONE		- 10 m
17:00	F6/66	MO	2300	NONE		_
12:30	F6/F6	MD	2.033	NONE		
12:45	F6/66	NS	0.035	NONE		
13:00	F6/66	ND	0.0 \$0	NONE		
13:15	F6/66	ND	0.036	NONE		
13:30	F6/66	NS	0-027	MONT		_
13:45	F6/66	AN	0.076	NONE		
16:00	F6/66	MA	0.018	NONE		
14:15	F6/66	ND	0.015	NONE		
14:30	F6/66	NO	0.055	WONE		
18:65	F6/66	NO	0.019	Mont		
15:00	F6/66	N()	0.041	Nove		
15:15	F6/66	NO	0.037	MONE	Boellan una RM.	S
Work 70	ne Action Levels			Community (D		
OVM	DUST		(Only if PID>4 ppm	above background, or is	erimeter) Action Levels f dust>0.75 mg/m³ above background in Wo	ork Zo
Λ I I I	6 mg/m3, lavel D					

DUST

>5 ppm above background: vapor suppression | >0.1 mg/m³ above background: dust suppression | >25 ppm above background: STOP | >0.15 mg/m³ above background: STOP

<5 mg/m³: level D

>125mg/m<sup>3</sup>: STOP

>2.5 mg/m³: dust suppression >5 mg/m³: level C

<10 ppm: level D

>10 ppm: level C >500 ppm: STOP

AKRF, Inc					Air Monitoring Log
	Consultants				Date: 04/05/14
. olect:	Flushing Industrial	Park	1		Logged By:
Work Activity	y: + Do avfillin	et 16,	166		
Neather:   √	+ File Caps &	on N et	F6/66	Wind Direction:	a 1 Wind Speed: 10 mg
TIME	Junny 53°F		DUST	ODORS	COMMENTS (activity; work zone, upwind or downwind)
0	LÓCATION	PID (ppm)	(mg/m <sup>3</sup> )		BACKGROUND - Upwind Perimeter
) . 50	NDL 1.56/66	ND	0.010	NONE	BACKGROUND - Downwind Perimeter
3,45	South of F6/6	/	0.016	NONE	BACKGROUND - Exclusion/Work Zone
10:00	F6 1/56	ND	0.016	MONE	BACKGROUND
10:15	F6/66	M	0.030	NONE	De follow list foll
0:30	F6/66	M	2027	MONE	100
10165	F6/F6	NS	0.018	MNE	
11:00	F6/66	Ms	2500	MNE	
11:15	F6/66	NS	2080	NONE	
11:30	F6/66	NO	0.037	NONE	
11:45	F6/66	NO	0.033	MONE	
12:00	F6/66	M	2.059	NONE	
17230	F6/66	ND	J.O BB	NONE	
7/11/5	F6/66	NO	00270	NONE	
3:00	F-6/66	NS	0064	NONE	
3:15	F6/66	M	0.050	MNE	
7:30	F6/66	MD	0.07)	NONE	
1:45	F6/66	ND	0,018	WNE MNE	Bolyshamp renny Soil
	/				7 7 200
				7	7 0
			1		
				$\supset$	
		0			

Work Zone Action Levels				
OVM DUST				
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D			
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression			
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C			
E San	>125mg/m³: STOP			

Community (Per	imeter) Action Levels			
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone				
>5 ppm above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression			
>25 ppm above background: STOP	>0.15 mg/m <sup>3</sup> above background: STOP			

AKDE						
AKRF, Inc.	Openia				Air Monitoring Log	
Environmental Consultants  Project: Flushing Industrial D. I.			Air Monitoring Log			
Vork Activity	Flushing Industrial I	Park			Date: 04/10/17	
	+ P. O. J. Car	al A. I.	Well yet.	ing RTT-A	Logged By:	
Veather:	The state of the s	Cost do	Not due	to building	Job No: 30/4/	
TIME				Wind Direction	ction:	
): IC	LOCATION	PID (ppm)	DUST (mg/m <sup>3</sup> )	odors	comments (activity; work zone, upwind or downwind)	
0,()	Sil of Like	ND	0.010	NONE	BACKGROUND - Upwind Perimeter	
3:30	NE & Lote	NS	0.011	NONE	BACKGROUND - Downwind Perimeter	
(2:0)	F6/66	ND	0.011	NONE	BACKGROUND - Exclusion/Work Zone	
(0:00	F6/66	NS	0.047	NONE	Bodfelling using MAT-A	
10:15	F6/66	ND	0.037	WWE		
10:30	F6/6-6	NS	0.022	NONE		
10:45	F-6/66	NJ	0.060	NOME		
11:00	F6/66	ND	2,048	NONE	Bollfelling using 201	
					100	
	1					
				$\mathcal{A}$		
3						
		,		7		
					1	

Work Zone Action Levels				
OVM	DUST			
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D			
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression			
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C			
	>125mg/m <sup>3</sup> : 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			
- Lastergunds vonor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression			
>5 ppm above background: vapor suppression	>0.15 mg/m³ above background: STOP			
25 ppm above background: STOP >0.15 mg/m° above background. STOP				

AKRF, Inc.					Air Monitoring Log				
Environmental Cor	nsultants Flushing Industrial Pa	rk			Date: 0//// 7				
Project: Work Activity:	1 Fulding 1	W KILLAN	1 soll for c	istal besin	Logged By:				
Work Activity.	involotion	eloted	1-6/066	16/66	Job No: 30 14/				
Weather:	Wind Direction: 1 Ll Wind Speed: 6 mg								
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	odors	COMMENTS (activity; work zone, upwind or downwind)				
9:30	NU d Lige	ND	0,007	MONE	BACKGROUND - Upwind Perimeter				
9:45	SI D Lite	ND	0.010	MONE	BACKGROUND - Downwind Perimeter				
10:00	F6/66	ND	0.010	NONE	BACKGROUND - Exclusion/Work Zone				
11:00	F6/66	NJ	0,022	NONE	No Exercision Copy was				
11: 45	F6/66	NA	2.032	MONE	No Exclusion / Blican and				
12:30	F6/66	NĎ	0,255	NONE	Excella in RM7-Azoll				
12:45	F6/6-6	NO	0.06	NONE	1				
13:00	F6/66	ND	0,040	NONE					
(3:15	F6/66	NO	2061	NONE					
13:30	F6/6,6	ND	0.066	MONE					
13:45	F61,66	NO	0.072	NONE					
14:00	F6/66	ND	0.070	MNE					
14:15	5-6/66	NO	0.05)	MONE					
14:30	F6/66	M	0.06	NONE					
14:45	76/66	ND	0,061	NONE					
15:00	76/56	NO.	0.055	NONE					
15:15	76/66	ND	0.047	NONE	Estation in RHT-Asold				
	·								
				P					
		±							

Work Zone Action Levels				
OVM DUST				
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D			
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression			
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C			
>125mg/m <sup>3</sup> : STOP				
April 18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				

Community (Perimeter) Action Levels				
(Only if PID>4 ppm above background, or if dust>0.75 mg/m³ above background in Work Zor				
DUST				
- 1 1 1 de conor cunnression	>0.1 mg/m <sup>3</sup> above background: dust suppression			
>25 ppm above background: Vapor suppression   >25 ppm above background: STOP	>0.15 mg/m³ above background: STOP			
>25 ppm above background: STO1				

AKRF, Inc.	noultanto				Air Mo	onitoring Log
Project:	Flushing Industrial Pa	ark	<b>8</b> 0 S			Date: 4/2//2
Work Activity	+ 16 exception	in Kill &	no land	et 16/66	Logged By	( I di
Weather:	Loudy U/ Kon	1 - 11-	014	Wind Direction:	9	Wind Speed:
TIME	LOCATION	PID (ppm)	<b>DUST</b> (mg/m <sup>3</sup> )	ODORS		TS (activity; work zone, and or downwind)
3:30	South I Did	ND	0.007	none	BACKGROU	ND - Upwind Perimeter
3145	North of Jely	NS	2.007	NONE	BACKGROU	ND - Downwind Perimeter
10700	F60/6-6	NS	0.009	NONE	BACKGROU	ND - Exclusion/Work Zone
11:00	F6/66	ND	0.023	NONE	No E	Scoulen
12:00	86/86	NO	0.026	NONE	No	Facilian
	30700					
E		-	N	1		
		_ (	1			
		6				
			09/	7/2		
-			7/	917		
				8		
						1
						2

Work Zone Action Levels			
OVM DUST			
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D		
>10 ppm: level C	>2.5 mg/m³: dust suppression >5 mg/m³: level C		
>500 ppm: STOP			
	>125mg/m <sup>3</sup> : STOP		

Community (Peri	imeter) Action Levels			
(Only if PID>4 ppm above background, or if d	ust>0.75 mg/m3 above background in Work Zone			
OVM DUST				
>5 ppm above background: vapor suppression >0.1 mg/m <sup>3</sup> above background: dust suppression				
25 ppm above background: STOP >0.15 mg/m³ above background: STOP				

#### AKRF, Inc. Air Monitoring Log **Environmental Consultants** Project: Flushing Industrial Park Guds F6/66) Work Activity: + tx Coldian of Logged By: Job No: Wind Direction: Wind Speed: 4 mg Weather: COMMENTS (activity; work zone, DUST PID **ODORS** TIME LOCATION upwind or downwind) (mg/m<sup>3</sup>)(ppm) I fred BACKGROUND - Upwind Perimeter NONE 0.011 NONE BACKGROUND - Downwind Perimeter 0:00 NO 0.010 012 NONE BACKGROUND - Exclusion/Work Zone ND NONE 0.029 NA NONE ND 2:00 ND NONE ND NONE 30 NONE NA NONE 3:00 NONE NN NONE NI ND NONE 0.066 14:00 ND NONE ND 20046 NONE ND 0.037 NONE NN NONE 2013 2066 NONE 0.086 NONE M NN 0.040 NONE Exclotio 0.055 Nr NONE

Work	Zone Action Levels		
OVM	DUST		
	<5 mg/m³: level D >2.5 mg/m³: dust suppression		
<10 ppm: level D			
>10 ppm: level C	>5 mg/m <sup>3</sup> : level C		
>500 ppm: STOP	>125mg/m <sup>3</sup> : STOP		
	>125mg/m . 51 61		

Community (Per	imeter) Action Levels		
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone)			
OVM DUST			
>5 ppm above background: vapor suppression	>0.1 mg/m <sup>3</sup> above background: dust suppression		
>25 ppm above background: STOP >0.15 mg/m³ above background: STOP			

AKRF, Inc.  Environmental Consultants  Air Monitoring Log							
Project: Flushing Industrial Park Date: 04/22/17							
Work Activity			a Lelson	on wet	Logged By:		
	Dt Elystof	Buil dans	d delas	sol used,	Job No: 3014/		
Weather:	un and llo	us 62	2 %	Wind Direction!	S W Wind Speed: Try		
TIME	LOCATION	PID (ppm)	DUST (mg/m <sup>3</sup> )	odors	COMMENTS (activity; work zone, upwind or downwind)		
9:15	SW	ND	9.007	NONE	BACKGROUND - Upwind Perimeter		
3:30	NE	ND	0.009	MONE	BACKGROUND - Downwind Perimeter		
3:45	F6/66	NO	0.012	NONE	BACKGROUND - Exclusion/Work Zone		
10:00	F6/66	W	0.023	NONE	Bookhilling		
10:15	F6/66	ND	0.05/	MONE			
10:30	F6/66	NO	0.066	NONE			
10:45	F6/66	ND	2066	NONF			
11:00	FO 166	M	5+0.0	NONE			
11315	F6166	ND	0.055	NONE			
11:30	F6/66	ND	0.080	NONE			
11:45	F6/66	ND	0.053	MONE	A		
12:00	F6/66	ND	0-061	MONE			
12:15	F6/66	ND	0-029	NONE			
12:45	F6/66	NO	0.0 66	MANE			
(3:00	F6/66	NO	0.066	NONE			
13:15	F-6/6-6	NO	0.072	MONE			
13:30	F6/66	ND	0-070	MONE			
13:45	F6/66	ND	2855	MONE			
14:00	F6/66	ND	0,066	MONE			
14:15	F6/66	ND	0.011	MONE			
14:30	F6/66	NO	0.033	NONE			
14:45	F6/56	ND	2026	NONE			
15:00	F6/66	ND	0.067	NONF	Bollholing		
15:15	F6/66	NO		NONE	Bookfilling		
Work Zone Action Levels  OVM  DUST  Community (Perimeter) Action Levels  (Only if PID>4 ppm above background, or if dust>0.75 mg/m³ above background in Work Zone							
	<5 mg/m³: level D	ě	OVM DUST				
	>2.5 mg/m <sup>3</sup> : dust suppression		>5 ppm above background: vapor suppression >0.1 mg/m³ above background: dust suppression >25 ppm above background: STOP >0.15 mg/m³ above background: STOP				
	>5 mg/m³: level C >125mg/m³: STOP		>25 ppm above background: STOP  >0.15 mg/m² above background: STOP				

AKRF, Inc.  Environmental Consultants  Air Moniton I								
Project:	Flushing Industrial P	ark			Air Monitoring Log			
Work Activity:	+ Excoloption	In RM7	A sol of	100 K/	Date: 05 //0 //3			
	Jon Colch 1202	cutting C	Ost can	040 5 16/06	Logged By:			
Weather:	linne 17	163	5 000	<u> </u>	Job No: 30/5/			
TIME	LOCATION	PID (ppm)	DUST (mg/m³)	Wind Direction:	COMMENTS (activity; work zone, upwind or downwind)			
10:15	SWIJ	ND	0.029	MOUT	BACKGROUND - Upwind Perimeter			
12:30	NE gate	NA	0.02.1	NONE	BACKGROUND - Downwind Perimeter			
10:45	F6/166	NA	0.037	NONE	BACKGROUND - Exclusion/Work Zone			
11:00	F6/66	NY	0.047	NONE	J. J. Chapray			
11:15	FRIFE	NO	0.0 52	NONE	Color of colors			
11:30	F6/F6	NO	0.086	NONE	Or de to			
11:45	F6166	NA	0.032	NONE	Close of a control			
12:15	F6/F6	NO	0.03	MONE	Colle Land			
17:45	F6166	ND	0.09/	MNE	Clark of the home			
13.30	F6166	No	0.103	NONE	Chand a coth by			
14:00	76/66	NI	0.088	NONE	Bodilline			
14:15	F6/66	ND	0059	NONE	Balland			
16/30	F6/66	NO	0.061	NONE	Bo Willian			
14:45	F6/66	NO	0.047	NONE	Bo Whiting			
15:00	F6/66	NJ	0.039	NONE	Bolding			
15:15	76/66	NJ	0.040	NONE	Beckfelling			
15:30	F6/66	NO	220.0	MONE	Boarfilling			
					8 0			
			1) 5	2				
		C	c/10/	17				
			1,1	/				

Zone Action Levels		
DUST		
<5 mg/m <sup>3</sup> : level D		
>2.5 mg/m <sup>3</sup> : dust suppression >5 mg/m <sup>3</sup> : level C		

Community (Perimeter) Action Levels					
(Only if PID>4 ppm above background, or if dust>0.75 mg/m <sup>3</sup> above background in Work Zone)					
OVM DUST					
>0.1 mg/m <sup>3</sup> above background: dust suppression					
>0.15 mg/m³ above background: STOP					

AKRF, Inc. Air Monitoring Log **Environmental Consultants** Flushing Industrial Park Date: 5/11/17 Work Activity: Forstalling Catch Basin - Good Cell H6-Parcel 1 Logged By: 56 Job No: 30141 Clew-55°-60°F Weather: Wind Direction: Wind Speed: PID DUST COMMENTS (activity; work zone, TIME LOCATION **ODORS** (ppm)  $(mg/m^3)$ upwind or downwind) 09:34 Corid Cen 16 NA BACKGROUND - Upwind Perimeter 0.076 NIDO 09:32 BACKGROUND - Downwind Perimeter 6.015 ND NA 09:35 0.003 BACKGROUND - Exclusion/Work Zone ND NA 10:44 NA SUBB-UN 0.001 ND 10:45 56)B& - WZ 0.003 ND 10:46 54 BG-DW 0:004 ND 10:55 000 ND Backround-PID- upung 10:57 0.0 ND Berkround-PID-Downand 10:59 0,0 ND Buchground - PID - Exclusion Zale . 11:29 G Background upwind ND 0,0 0.015 Ed Background exclusion zone 11:31 0.060 ND 0.0 11:32 ND 0.029 & Background - downwind 0.0 ND 11:59 0.002 Background VW 0.1 0:008 Background WZ 12:01 NO 12:03 Bachesand - DW 0.1 ND 6.002 12:30 0.0 0.012 Learl - Stop Airmonituring ND 13:27 0.007 0.0 ND exclusion Dane 14:00 0.0 0.005 exclusion zone ND 14:33 0.0 0.000 ND exclusion rone 14:47 exclusion zone - Fral Recen 0.0 0.009 NP

Work Zone Action Levels				
OVM	DUST			
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D			
>10 ppm; level C	>2.5 mg/m <sup>3</sup> : dust suppression			
>500 ppm: STOP	>5 mg/m³: level C			
	>125mg/m <sup>3</sup> : STOP			

Community (Per	imeter) Action Levels				
(Only if PID>4 ppm above background, or if of	lust>0.75 mg/m³ above background in Work Zone				
OVM DUST					
>5 ppm above background: vapor suppression >0.1 mg/m <sup>3</sup> above background: dust suppression					
25 ppm above background: STOP >0.15 mg/m³ 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 purgged in to Charge at 9 an and installed backup bottery.

A - At 16:50 - Calibrate PID (Mini RAE 3000) and Start and monitorityng.

					Air Monitoring Log		
AKRF, Inc.	Itants				Date: 05/16/17		
		(	100:00	of neuro	Logged By:		
Work Activity:	Joen John Tolly	in coran	De who		Job No: 30/4/		
4	TEXANDER OF	bul 3	o son	Wind Direction:	Wind Speed: Onfo		
	my gyr	PID	DUST	ODORS	COMMENTS (activity; work zone, upwind or downwind)		
TIME	LOCATION	(ppm)	(mg/m³)		L Barimeter		
8:30	SWg Site	NO	0.02(	NONE	BACKGROUND - Downwind Perimeter		
8:45	NEglide	$N_{\Delta}$	2.025		BACKGROUND - Exclusion/Work Zone		
3:00	76/066	/V /)	2-024	NONE	Back of Can Preguing		
12:30	16/66	ND	0.031	NONE	B N. NODE D. C. 82		
12:45	F6/G6	NO	0.066	NONE	1 / A		
(3:00)	FG/66	140	2068	100/06			
13:15	16/66	100	0.070	10011/2			
13:30	16/66	10()	0.061	10000			
3,4)	F6/66	NO	0.063	NONE			
13:00	F6/66	MA	0.071	NONE	BoeNblung Pacel		
14:15	F6/66	ND	0.055	NONE	D De Description		
14 , 30	156	1/0	0-061	NONE	Parcel 3/ Contraction		
14:4)	BC	NA	0.029	NONE			
15:00	02	100	2033	NONF			
13:15	132	ND	0.028				
15:30	32		0.02				
15:45	<u> </u>	MA	0.040		2 V 1		
16:00	B2	1,1,7	10.0 40	NONI	E Boch 3/ Exchation		
				4/			
			741				
		,					
			//				
		•	-				

Work Zone Action Levels				
OVM DUST				
<10 ppm: level D	<5 mg/m <sup>3</sup> : level D			
>10 ppm: level C	>2.5 mg/m <sup>3</sup> : dust suppression			
>500 ppm: STOP	>5 mg/m <sup>3</sup> : level C			
	>125mg/m <sup>3</sup> : STOP			

Community (Peri	meter) 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 <sup>3</sup> above background: dust suppression		
>25 ppm above background: STOP	>0.15 mg/m <sup>3</sup> 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.					
<b>Date:</b> 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):

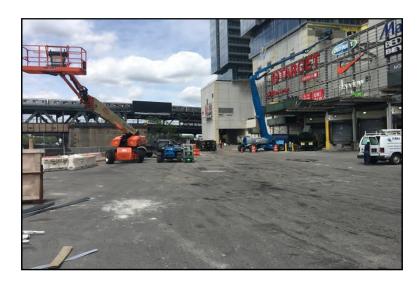
See attached photos of site cover conditions observed during May 8, 2017 inspection



### SITE COVER INSPECTION PHOTOGRAPHS -5/8/2017 Flushing Industrial Park, Flushing, NY



Photograph 1: The northwestern portion of the Property (Parcels 2 and 3).



Photograph 3: The western portion of the Property (Parcels 2 and 3).



Photograph 2: The western portion of the Property (Parcels 2 and 3).



Photograph 4: The southwestern portion of the Property (Parcel 3).



### SITE COVER INSPECTION PHOTOGRAPHS -5/8/2017 Flushing Industrial Park, Flushing, NY



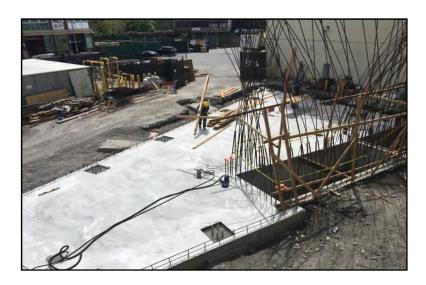
Photograph 5: View of the western portion of the Property where the site cover was removed for construction of the esplanade (Parcel 3).



Photograph 7: The residential Towers atop the western retail podium (Parcel 2).



Photograph 6: The retail space and residential towers on the northeastern portion of the Property (Parcel 1).



Photograph 8: The SVP West Entrance Pavilion foundation slab (Parcels 1 and 2).



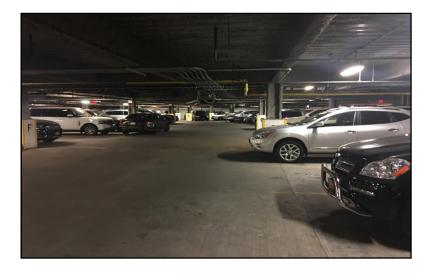
### SITE COVER INSPECTION PHOTOGRAPHS -5/8/2017 Flushing Industrial Park, Flushing, NY



Photograph 9: Concrete slab as part of the site cover in the western retail building (Parcel 2).



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 10: Concrete slab in the parking garage, as part of the site cover beneath the eastern retail building (Parcel 1).



Photograph 12: Newly constructed SSDS pipe enclosure equipped with louvers atop the western retail podium (Parcel 2).

## APPENDIX I SSDS LOUVER INSTALLATION DETAILS



266 West Mitchell Ave - Cincinnati, OH 45232

Schedule

**Flushing Town** Center

12/13/2016

F.P.M.

PH: (888) 568-8371 Fax: (888) 568-8370

Spec. Section:

Manufacturer:

**Project Name:** 

**Architectural Louvers** 

Submitted By:

Heather Williams

Flushing Town Center Project Location: Flushing Queens, NY

Contractor:

Contact Name:

BuildingRite LLC

actual size will be 0.25 " under listed sizes

54.4%

1250

30 PSF;

10"W x 10"H

96"W x 60"H 60"W x 120"H

Trisha Murray

tion with other trades; and for providing all devices required for sale and satisfactors

construction and operation.

**Architect:** 

**Minimum Single Section Size:** 

Maximum Single Section Size:

First Point Water Penetration:

Free Area 48" W x 48" H:

**Design Structural Loading:** 

**Engineer:** 

**Undersize:** 

**PRODUCT SPECIFICATIONS** 

Model:

E6WH - 6" Deep 45° Horiz Blade

WDR Storm Louvers

Material Type: Extruded Aluminum (Std);

Material Gauge: .081" Blade & Frame (Std);

Construction:

**Product Type:** 

Hidden HD Mullion;

Frame Style: Screen Type:

Channel C Frame; Bird Screen Alum 1/2" Woven (.063) Wire;

Mount Options: Mounting Clips (shipped loose);

Insulation:

Add On Option: **Misc Option:** 

Finish:

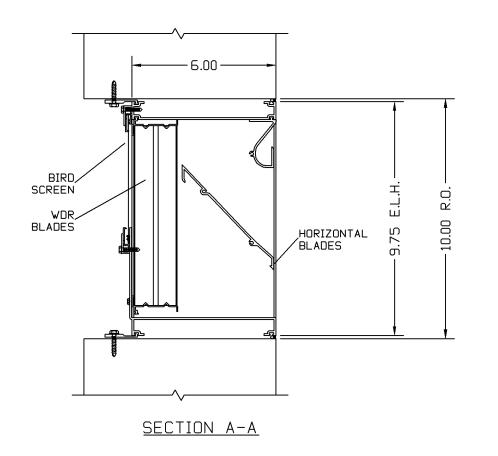
Kynar (2 coat) Std. Color;

Color:

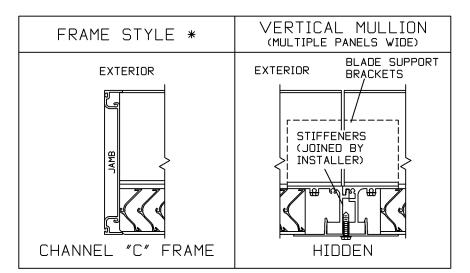
Color: Anodic Clear;

#### I INF ITEM DETAIL

				1.1	ME TIEM	DETAIL			
#	Qty	Width	Height	Notes	Tag ID	Free Area %	Ea Free Area SF	Ttl Free Area SF	Shape
1	1	120.00	10.00			1 12 385786	3.14	3.14 Sta	andard Rectangular;
2	1	108.00	10.00		L23				andard Fectangular;
	2	Total Qty				CONFOR	RMS. RMS AS I AS NOTE ED, RES	ED AND RESUBMIT.  QUIRED.  GRICO	SUBMIT.
Tuesday	/, Decembo	er 13, 2016		Quote	\$	THIS DOCUM GENERAL CO CONCEPT ON This review of or any sub- full complian for correctine and material of details; for struction else	NFORMAI ILY. does not contractor ce with co ss of dim quantitie r proper hniques;	relieve the contract requirements on tract requirements on the contract requirements of the contract requirements of the contract on the contract on the contract of the contract on the contract of the contract of the contract of the contract on the contract of the contr	e DESIGN  ontractor ibility for rementspage 1 of 1 arances r design

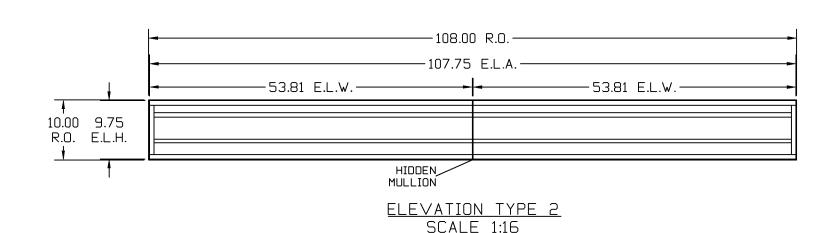


KYNAR 2-COAT COLOR: ANODIC CLEAR FINISH:



-120.00 R.O.--119.75 E.L.A. — -59.81 E.L.W. – -59.81 E.L.W.-10.00 9.75 R.O. E.L.H. HIDDEN ELEVATION TYPE 1

SCALE 1:16



Reviewed as Modified Revise and Re-Submit

Not Reviewed by aA

his review by architectsAlliance is for the sole purpose of ascertaining This review by architectsAlliance is for the sole purpose of ascertaining conformance with the general design concept. This review shall not onean 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 errors or omissions in the shop the Contract Documents. The Contractor is responsible for dimensions to be confirmed and correlated at the job site, for information that pertains oldly to fabrication processes or to techniques of construction and installation and for co-ordination of the work of all trades.

LOUVERS SHOWN ARE DESIGNED TO MEET 30 LBS./SQ. FT. WIND LOADING

LEG	END
R.O.	ROUGH OPENING
E.L.W.	EXACT LOUVER WIDTH
E.L.H.	EXACT LOUVER HEIGHT
E.L.A.	EXACT LOUVER ASSEMBLY

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 AS NOTED

☐ REJECT - RESUBMIT ☐ REVISE AND 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 ARHITECTURAL LOUVERS

BY: \_\_\_\_\_ DATE: \_\_\_\_

DEVIATIONS FROM STANDARD CONSTRUCTION:

1. NONE

2. 3.

PROJECT FLUSHING TOWN CENTER

ARCHITECT ARCHITECT

CUSTOMER BUILDINGRITE

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

#### RCHITECTURAL -·O·U·V·E·R·S

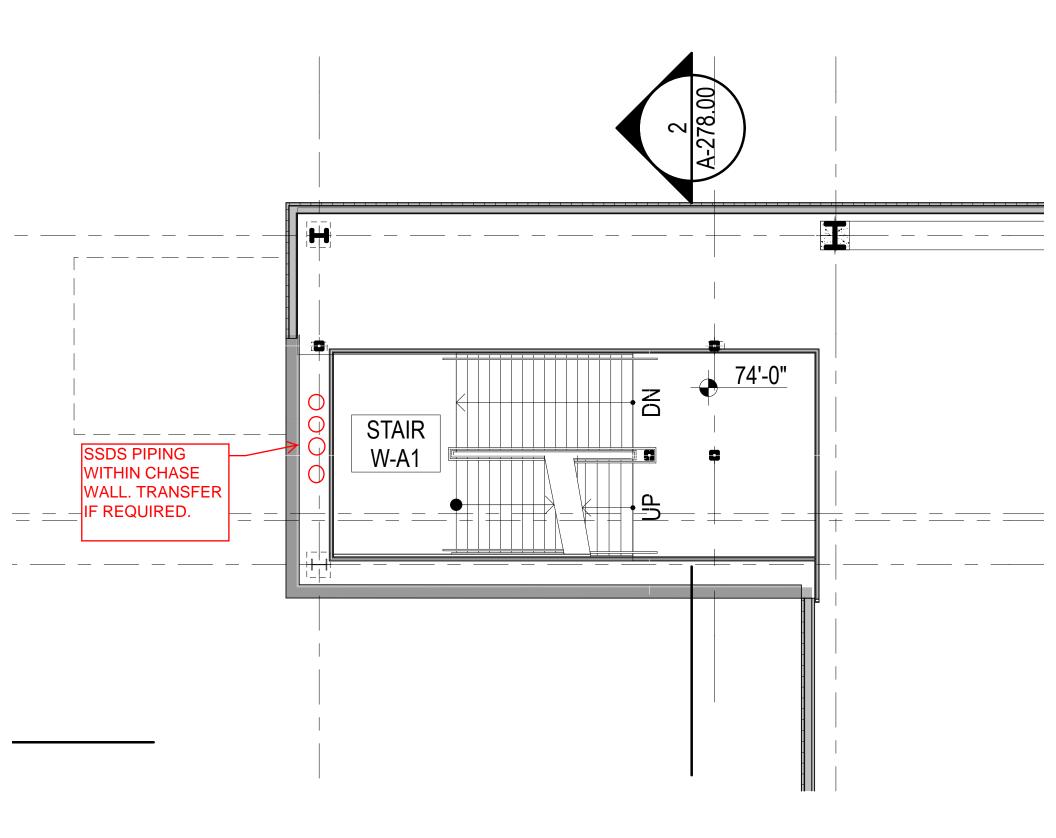
266 W Mitchell Ave - Cincinnati, OH 45232 PH: (888) 568-8371 Fax: (888) 568-8370

RE∨	DESCRIPTION	DATE	APPR			
DRAWING TYPE						

SUBMITTAL APPROVED BY DRAWING TITLE JR E6WH SPECS DRAWN BY SM **DETAILS** DATE DRAWN SCALE NO. SHTS. 12/09/16 | 1:4-UOI

1216089

DRAWING NO.



## APPENDIX J CORRESPONDENCE FROM NYSDEC



**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 if 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.

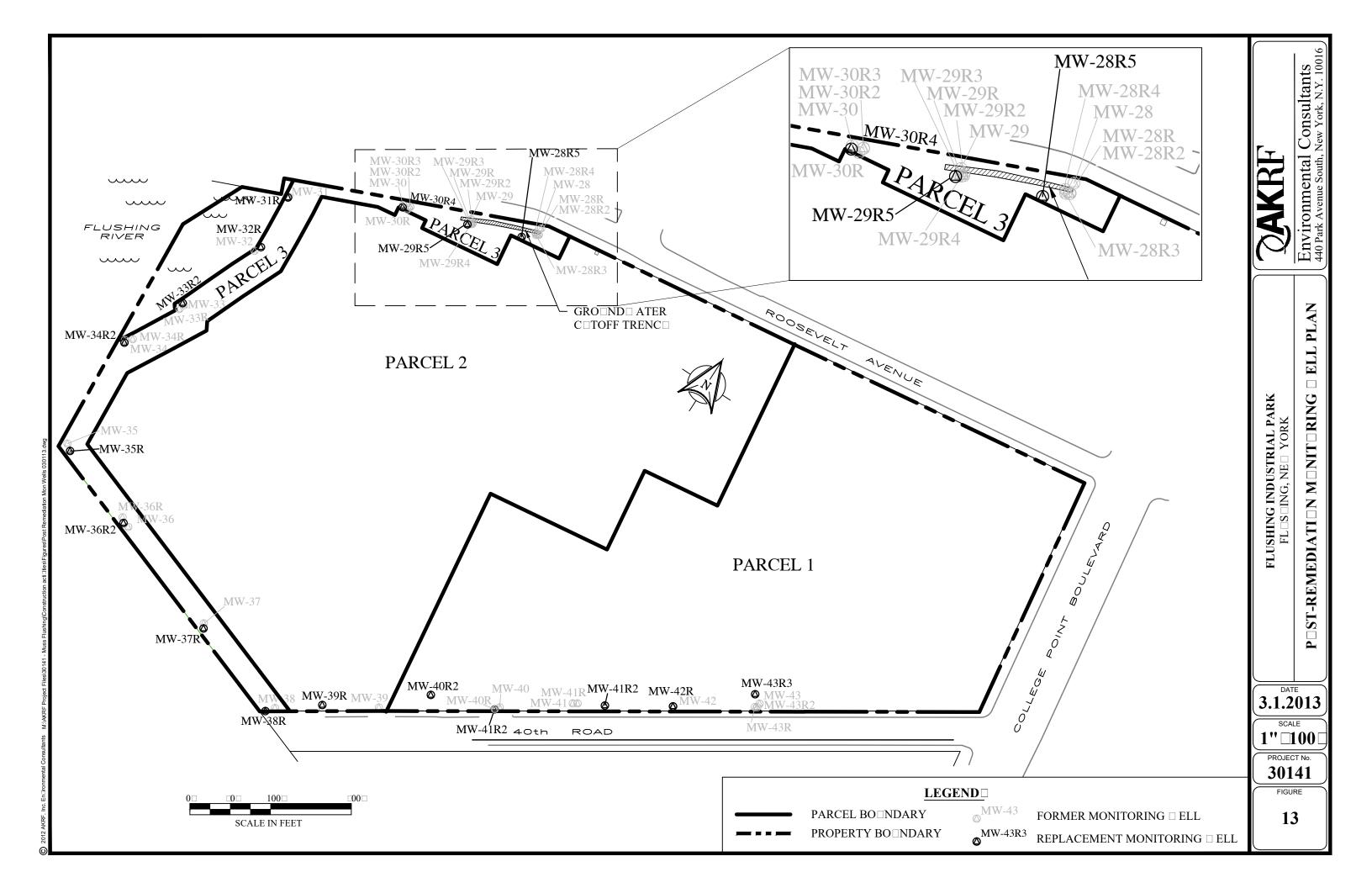
Stephen Grens

Senior Environmental Professional

Enclosures: Figure 13 – Post Remediation Monitoring Well Plan

cc: C.Gioia – Onex

J. Coghlan, M. Chertok – Sive Paget & Riesel



#### 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, 3<sup>rd</sup> 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

Inspec	tor: Steve Grens of AKRF, Inc.
Date: 1	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

#### 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 semiannual 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: 1135 City/Town: Flushing County: Queens Site Acreage: 5.4	54
Reporting Period: May 16, 2016 to May 16, 2019 2017	
	YES NO
Is the information above correct?	X
If NO, include handwritten above or on a separate sheet.	·
2. Has some or all of the site property been sold, subdivided, merged, or undergon tax map amendment during this Reporting Period?	ea □ 💢
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 issufor or at the property during this Reporting Period?	ued ⊠ □
If you answered YES to questions 2 thru 4, include documentation or evidenthat documentation has been previously submitted with this certification for	
5. Is the site currently undergoing development? SEE ATTACHMENT	× □
	Box 2
	YES NO
<ol><li>Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial</li></ol>	× □
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 belong. DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continu	
A Corrective Measures Work Plan must be submitted along with this form to addre	ss these issues.
Signature of Owner, Remedial Party or Designated Representative Da	te

	Box 2	A
	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	e □	×
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.		
<ol> <li>Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)</li> </ol>	×	
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	Воз	x 3
Description of Institutional Controls		

Parcel Owner

5066-1201 portion of BRE Skyvi

BRE Skyview Retail Owner LLC

Institutional Control

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 hture 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 IVew 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

Box	5
-----	---

	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 certificat are in accordance with the requirements of the site remedial program, and generally accepted				
	engineering practices; and the information presented is accurate and compete.  YES NO				
2.	If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:  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.

[ Christophe	Christopher A. Gioia at		SkyView Parc II, LP, c/o Onex R College Point Blvd., Suite F616,	
print	name		print business add	ress
am certifying as _	SkyView Parc II, LP, Reme	edial I	arty	(Owner or Remedial Party)
	d in the partails Se			July 26, 2017 Date
Rendering Certific	estion	Des	ignated Representative	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.

at 440 Pale Ave South
print business address

(Owner or Remedial Party)

(Required for PE)

Date

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

# 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 Pariodic Peview Report Notice

Site Management Periodic Review Report Notice Institutional and Engineering Controls Certification Form



	Site Details e No. C241078	Box 1		
Site	e Name Flushing Industrial Park (Western) Parcel 2	•		
City	e Address: NW Corner of College Pt Blvd & 40th Road Zip Code: 11354 y/Town: Flushing unty: Queens e Acreage: 7.0			
Re	porting 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))?		ℷ	<u>.</u>
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		<u>_</u>
		Box 2 YES	NO	<del></del>
6.	Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial		_	
6. 7.	Restricted-Residential, Commercial, and Industrial	YES	[	□ 84
	Restricted-Residential, Commercial, and Industrial	YES  IX	[	
7.	Restricted-Residential, Commercial, and Industrial  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 a	YES ⊠X ⊡ and		

	Box 2			
Has any new information revealed that assumptions made in the Qualitative Exposure     Assessment regarding offsite contamination are no longer valid?		NO		
		M		
If you answered YES to question 8, include documentation or evidence	•			
that documentation has been previously submitted with this certification form.				
<ol> <li>Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)</li> </ol>	×			
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	Вох	<b>3</b>		
Description of Institutional Controls				
		;		

Parcel Owner Institutional Control
5066-1201 portion of 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 1 1 101-5401

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 1 1 101-5401

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**

<u>Parcel</u>

**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

Вох	5
DOX	9

	Periodic Review Report (PRR) Certification Statements					
1.	1. I certify by checking "YES" below that:					
	<ul> <li>a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;</li> </ul>					
	<ul> <li>b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.</li> </ul>					
	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

Christophe	r A. Gioia . at	SkyView Parc II, LP, c/o Onex Real Esta College Point Blvd., Suite F616, Flushing	
print :		print business address	
am certifying as _	SkyView Parc II, LP, Remedia	al Party (Or	wner or Remedial Party)
for the Site name		)	

#### **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.

	t business address
am certifying as a Professional Engineer for the	(Owner or Remedial Party)
July	T/IL/IT
Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification	Stamp Date (Required for PE)

(Required for PE)

# 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



Sit	te No.	C241079		Site Details			Box 1		
Sit	te Name Fl	ushing Indus	t. Pk. (Wester	n Waterfront)	) Parcel	3			
Cit Cc	e Address: :y/Town: Fl ounty: Queer e Acreage:	ushing ns	f College Pt Bl	vd & 40th Roa	d	Zip Code: 11354			
Re	porting Peri	iod: May 16, 2	2016 to May 16	6, 2017					
							YES	NO	
1.	Is the info	rmation above	correct?				×	[	
	If NO, incl	ude handwritte	en above or or	a separate sh	neet.				
2.			te property be ring this Repor			nerged, or undergone TACHMENT	a ⊠		
3.		been any cha CRR 375-1.11	nge of use at t (d))?	he site during	this Rep	porting Period		ì	$\boxtimes'$
4.			and/or local p ing this Repor		uilding, (	discharge) been issue	d Ø		
						mentation or eviden this certification for			
5.	Is the site	currently unde	ergoing develo	pment? SEE	ATTAC	HMENT	×	[	
							Box 2		
							YES	NO	
6.			onsistent with t Commercial, a		d below	?	×	[	
7.	Are all ICs	s/ECs in place	and functionin	g as designed	l? SEE	ATTACHMENT		1	×
	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.								
Α (	Corrective N	fleasures Worl	k Plan must be	e submitted al	ong witl	h this form to address	these issu	ues.	
Sic	gnature of Ov								

	Box 2	A
	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.		
<ol> <li>Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)</li> </ol>	Ø	
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	Вох	ς 3
Description of Institutional Controls		

Parcel Owner In: 5066-1203 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 fundamenental 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 1 1 101-5401

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-tenn 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

Box	5

	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 cert are in accordance with the requirements of the site remedial program, and generally accept			
	engineering practices; and the information presented is accurate and compete.  YES NO		
2.	If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:  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.

Christopher A. Gioia print name am certifying as SkyView Parc II, LP, Rem		at	SkyView Parc II, LP, c/o Onex Real Estate Partners, 40-26 at College Point Blvd., Suite F616, Flushing, NY 11354		
		_	print business addr	ess	
		medial Party		(Owner or Remedial Party)	
for the Site named	d in the Sith Details	ectio	on of this form.	July 26, 2017	
Signature of Own Rendering Certific		r De	signated Representative	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.

	t business address
am certifying as a Professional Engineer for the	(Owner or Remedial Party)
July	T/IL/IT
Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification	Stamp Date (Required for PE)

(Required for PE)

# 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.