LABELLA Associates, D.P.C.
Engineering
Architecture
Environmental
Planning

Remedial Action Work Plan
NYSDEC BCP Site #C828137

Location:

75 Monroe Avenue
Pittsford, New York 14534

Prepared for:

Pittsford Canalside Properties, LLC
c/o Mark IV Enterprises
301 Exchange Boulevard
Rochester, New York 14608

LaBella Project No. 213647

July 2016

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300 State Street
Rochester, New York 14614

CERTIFICATIONS

"I DANIEL Noll certify that I am currently a NYS registered professional engineer and that this Remedial Action Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10)."

081996	8/17/16	
NYS Professional Engineer #	Date	Signature

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1.0 Introduction

This Remedial Action Work Plan (RAWP) is for implementation of the selected Remedial Action for the property located at 75 Monroe Avenue in the Village of Pittsford, Monroe County, New York, designated New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site #C828137. Pittsford Canalside Properties, LLC (PCP) entered into a Brownfield Cleanup Agreement (BCA) with the NYSDEC, on August 14, 2007 as a volunteer. Refer to Figure 1 for site location.

The proposed remedial actions were identified and evaluated in the Remedial Alternatives Analysis Report (RAAR) based on the data obtained during pre-BCP activities, the Remedial Investigation (RI), Interim Remedial Measures (IRMs), and Supplemental RI. This RAWP summarizes the findings of the previous work for the Site; however, previous reports should be referenced for greater details on those investigation activities. A comprehensive list of the previous studies utilized in the development of this RAWP is included in Section 2.2.

2.0 Site Description & Background

2.1 Site Description

The Site is approximately 7.386-acres in area and is located in the Village and Town of Pittsford (under Tax Account #151.18-1-51.1). The Site is surrounded by the Erie Canal to the north with a New York State Department of Transportation (NYSDOT) facility beyond; Monroe Avenue to the east with commercial properties including a gasoline filling station beyond; railroad tracks to the south with a Rochester Gas & Electric (RG&E) substation, office park and Pittsford School's athletic fields beyond; and, undeveloped land to the west.

All known Site structures and historical infrastructure have been removed from the Site. The Site has been unoccupied since approximately 2000. A majority of the Site has been graded and/or backfilled during the IRM activities in order to achieve proposed redevelopment elevations.

The Site was initially developed in the mid-1920s for the storage and distribution of petroleum products. In approximately 1980, the Site was reconfigured for storing and distributing liquid asphalt and fertilizer. In the mid-1980s, the handling of petroleum products ceased with the exception of petroleum used for the on-Site boiler systems, machines/equipment and vehicles.

Figure 2 illustrates the Site features and boundaries.

In April 2007, the Site was entered into the NYSDEC BCP (BCP Site #C828137). Subsequent to entering the Site in the BCP, a RI and numerous IRMs have been completed at the Site. The RIR was submitted in April 2016 and the RAAR was submitted in May 2016.

2.2 Site History

Phase I ESA, TriTech 2006
LaBella reviewed a Phase I Environmental Site Assessment (ESA) by TriTech Environmental Health and Safety, Inc. (TriTech) prepared for Woods Oviatt Gilman dated August 9th, 2006 for the Site. The Phase I ESA which summarized the historical activities and previous environmental work conducted at the Site was submitted as part of the BCP Application and was utilized in the development of the Remedial Investigation Work Plan (RIWP). The following historical information was obtained from the Phase I ESA:

The Site was initially developed in the mid-1920s for the storage and distribution of petroleum products. In approximately 1980, the Site was reconfigured for storing and distributing liquid asphalt and fertilizer. In the mid-1980s, the handling of petroleum products ceased with the exception of petroleum used for the on-Site boiler systems, machines/equipment and vehicles.

The historical storage capacities at the Site were documented to include:

- *Above ground asphalt storage* consisting of eight (8) aboveground storage tanks (ASTs) installed between 1968 and 1980 with storage capacities ranging between 112,000-gallons and 4.7 million gallons, with a total storage capacity of 12,562,000-gallons of asphalt.
- *Above ground Gasoline and fuel oil storage* consisting of twelve (12) ASTs (some were indicated as unknown for type of petroleum) with storage volume listed as 224,700-gallons.
- *Below ground gasoline and fuel oil storage* consisting of two (2) underground storage tanks (USTs), one 4,000-gallon gasoline UST and a 10,000-gallon fuel oil UST.

A significant release of fuel oil was reported in 1999 between Tanks #2 and #3. The United States Environmental Protection Agency (USEPA) Region 2 Spill Response initiated a remedial action at the Site in 2003 to address this spill. The spill reportedly consisted of approximately 6,000 to 8,000-gallons of fuel oil. The USEPA response consisted of excavation and off-Site disposal of approximately 1,213 tons of contaminated soil, and excavation of additional 15,000-tons of contaminated soil that was placed in a bio-cell constructed on-Site. The bio-cell was irrigated and tilled weekly between August and October 2003.

Nineteen (19) groundwater monitoring wells were installed at the Site by others prior to BCP-related investigative activities. Groundwater monitoring data provided in the TriTech Phase I ESA indicated the presence of 'low-level' petroleum hydrocarbon impacts throughout the Site and one area of 'low-level' chlorinated solvent impacts.

Previous Reports
The following environmental reports and work plans were developed for the Site under the BCP:

- *Remedial Investigation Work Plan* by LaBella dated January 30, 2008
- *IRM Work Plan* by LaBella dated July 22, 2010
- *IRM Work Plan Amendment* by LaBella dated March 13, 2013
- *Soil Reuse Sampling Plan* by LaBella dated May 7, 2013
- *Work Plan to Investigate Ammonia Odors* by LaBella dated June 19, 2013
- *Health and Safety Plan Specific to Ammonia Impacted Soils* by LaBella dated September 2013
- *Product Monitoring Trench Work Plan* by LaBella dated September 10, 2013
- *Work Plan to Remediate Ammonia Odors* by LaBella dated September 10, 2013
- *Public Notice Regarding Ammonia Odor Remediation* by LaBella dated October 16, 2013
- *IRM Work Plan Addendum #2* by LaBella dated December 27, 2013
- *Additional IRM Investigations Work Plan* by LaBella dated March 13, 2014
- *Ammonia Biocell Reuse Sampling Plan* by LaBella dated April 4, 2014
- *IRM Work Plan Addendum #3* by LaBella dated October 23, 2014
- *Biocell Reuse Results* by LaBella dated May 21, 2014
- *Site Management Plan (SMP)* by LaBella draft dated August 2015
- *Corrective Measures Plan* by LaBella dated October 1, 2015
- *Supplemental Remedial Investigation Work Plan* by LaBella dated August 20, 2015
- *Corrective Measures Report* by LaBella dated January 2016
- *Supplemental Corrective Measures Plan* by LaBella dated March 16, 2016
- *Construction Completion Report (CCR)* by LaBella dated March 2016
- *Remedial Investigation Report* by LaBella draft dated April 2016
- *Remedial Alternatives Analysis Report (RAAR)* by LaBella draft dated July 2016

Remedial Investigation, LaBella 2008-2009
Based on the results of the Phase I ESA, LaBella initiated a Remedial Investigation (RI) in 2008. The following seven (7) tasks were completed under the RIWP:

1. Geophysical Survey
2. Test Pit Investigation
3. Overburden Groundwater Investigation
4. Surface Soil Sampling
5. Soil Gas Investigation
6. Overburden Soil Investigation
7. Fish and Wildlife Exposure Assessment

Interim Remedial Measures, LaBella 2010-2015
Based on the results of the initial RI testing, several AOCs warranted IRMs as follows:

- *AOC #3* – This area was a former service station area at the Site and had the potential for petroleum impacts.
- *AOC #5* – This area of the Site was formerly utilized as railroad car loading area and evidence of impairment was identified in this area during the RI.

- *NAPL in MW-7* - A previous monitoring well installed at the Site was determined to have petroleum product on the groundwater surface.
- Petroleum impacts in TP-22 - Evidence of impairment was identified in Test Pit TP-22.

IRMs were conducted from 2010 through 2015 in which a total of approximately 53,000 tons of impacted material was removed from ten (10) remedial excavations.

Supplemental Remedial Investigation, LaBella 2016
Subsequent to the completion of IRMs, a Supplemental RI was conducted to assess the cover system (i.e., top 2-ft.) across 3.6-acres of the Site that had not been previously assessed during the RI or IRMs. Fifty-one (51) soil samples were collected from seventeen (17) locations. A total of four (4) locations (COVER-1, COVER-2, COVER-3, and COVER-4) exceed New York Codes, Rules, and Regulations (NYCRR) Part 375-6 Restricted Residential Use Soil Cleanup Objectives (SCOs) and warrant remedial actions. Remedial alternatives for cover samples that exceed Restricted Residential SCOs were evaluated in the RAAR. Results of the Supplemental RI are included in the RI Report by LaBella dated July 2016.

3.0 Site Geology and Hydrogeology

3.1 Geology

A topsoil layer was generally encountered at the ground surface within the soil borings and test pits completed in areas not on asphalt or concrete. This topsoil layer generally consisted of dark brown medium to fine-grained sand with little silt and trace fine-grained gravel. The topsoil layer also contained organic matter including roots/vegetation.

Soils encountered beneath the asphalt pavement, concrete slabs or topsoil layer within the soil borings and test pits completed at the Site generally revealed a glacial till layer consisting primarily of coarse to medium-grained sand and coarse to fine-grained gravel with little to no silt. The glacial till deposit generally ranged from 2.5 to 12-ft. in thickness.

Below the near-surface glacial till, the soil borings generally encountered a brown, Lacustrine deposit consisting primarily of silt with little to some medium to fine-grained sand. The brown, Lacustrine formation extended to the bottom of many of the soil borings, which were terminated at approximately 12 to 16-ft. bgs.

An alluvial deposit consisting of medium to fine-grained sand with little to some silt and was encountered immediately below the glacial till formation in several borings. This alluvial deposit ranged from at least 8.0 to 13.0-feet thick.

Fill material, generally consisting of brick, cinders, coal and slag was encountered in few locations generally at depths of 0 to 8-ft bgs.

Bedrock was encountered at approximately 32-ft. bgs in IRM-MW-07. No other investigation points extended to bedrock.

3.2 Hydrogeology

Overburden groundwater was encountered during the advancement of soil borings completed at the Site. RI groundwater monitoring wells installed at the Site were gauged during the seasonal highs and lows in groundwater elevations at the Site, which was anticipated to correspond with the seasonal variation of the water level of the adjacent Erie Canal. The Erie Canal is typically filled on, or around, April 15th

annually. The Erie Canal is typically drained on, or around, November 15th annually. Additionally, based on the relatively constant elevation of water in the Erie Canal, with the exception of the described drainage/ filling periods, it was anticipated that any influence the canal has on groundwater may be determined based on these two (2) varying conditions.

RI groundwater monitoring wells were located using a Global Positioning System (GPS) GeoXT with GeoBeacon. IRM groundwater monitoring wells were located using a Carlson GPS. Groundwater contour maps were developed from RI wells. Static water levels were collected during both high and low RI groundwater sampling events. Static water levels were collected in October 2008 (Canal "full"), February 2009 (Canal drained), April 2009 (Canal drained) and May 2009 (Canal "full"). As shown on these figures, groundwater flow direction at the Site is generally to the north, towards the Erie Canal.

3.3 Demography, Land Use and Water Use

The Site is approximately 7.386-acres in area and is partially located in the Town of Pittsford and partially located in the Village of Pittsford. The Site is zoned R-5 Canal Waterfront Business District. The surrounding areas currently include residential, agricultural, commercial and municipal properties. The Erie Canal borders the Site to the north. Surrounding properties are connected to the public water system.

4.0 Summary of Site Contamination

4.1 Summary of Cumulative Testing and Remaining Contamination

The following table summarizes the testing completed at the Site during the RI and IRMs.

Summary of Cumulative Testing

Sample Type		RI Work Plan	IRM Work Plan	Supplemental RI Work Plan	TOTAL
Soil Borings	# Locations	28	7	-	35
	# Samples	21	10	-	31
Test Pits	# Locations	40	94	-	134
	# Samples	15	66	-	81
Groundwater Monitoring Wells	# Locations	9	7	-	16
	# Samples	20	20	-	40
Soil Gas	# Locations	6	-	-	6
	# Samples	6	-	-	6
Surface Soil	# Locations	7	-	17	24
	# Samples	7		51	58
Sediment	# Locations	4	-	-	4
	# Samples	4	-	-	4
Confirmatory Soil	# Locations	-	168	-	168
	# Samples	-	168	-	168

A total of 388 soil samples were collected during the RI and IRMs, including IRM confirmatory samples. A total of approximately 52,779 tons of impacted material was removed from the Site during IRMs. All remaining soil with targeted compounds detected above Residential Use SCOs and/or exhibiting nuisance characteristics are located beneath at least 2-ft. of cover material with the exception of four (4) locations

(i.e., surface soil samples Cover-1, Cover-2, Cover-3, and Cover-4) as shown on Figure 5.

Impacted soil was left in-place along the southern property line in order to ensure the integrity of the CSX railroad tracks during the Large IRM Excavation. A 3:1 slope was utilized going from the southern property line to the base of contamination in the northern direction. This area was discovered to contain petroleum impacted and NAPL was observed during the IRM work. In order to monitor NAPL that may migrate via groundwater to the Site following restoration activities, infrastructure was placed along the property line in the form of a product monitoring trench. The product monitoring trench allows for monitoring and if warranted, the removal and/or treatment of NAPL should it accumulate in the trench. The trench was installed in September 2013.

The infrastructure installed, shown on Figure 4, consists of #1 washed stone in the base of the trench in order to provide a location for groundwater to accumulate. The stone was placed at an elevation of 463' to 465'. A geofabric was placed above the stone to retain fines. A horizontal 4-inch PVC slotted pipe was placed approximately 1-ft above the base of the trench and covered with 1-ft. of stone. Each end of the horizontal PVC pipe was capped and three (3) pairs of risers were installed vertically to approximately 3-feet above grade at the points shown on Figure 4. The riser pairs consisted of one (1) solid 4-inch PVC riser pipe and one (1) slotted 4-inch PVC well screen pipe. The riser locations correspond to locations where NAPL was visually observed entering the Large IRM Excavation. The downgradient edge of the trench excavation was lined with polyethylene sheeting to prevent migration of contaminated groundwater or NAPL to remediated areas of the Site. As of the date of this report, product has not been observed in the trench.

A total of 40 groundwater samples were collected during the RI and IRMs. Following completion of the IRMs, concentrations of targeted compounds have not been identified above TOGS 1.1.1 Groundwater Standards with the exception of select metals. Refer to Figure 7.

4.2 Remedial Areas of Concern

The cumulative RI and IRM work identified four (4) Remedial Areas of Concern (RAOCs) at the Site. The conceptual Site model below summarizes the overall findings:

1. RAOC #1 – NAPL Along the Southern Property Line
   NAPL was observed in monitoring well MW-7 during the RI. Subsequently, the area surrounding MW-7 was removed during IRM excavations. Due to the proximity of the adjacent railroad line, excavation could not be completed all the way to the southern property line and the excavation was sloped at a 3:1 ratio. As such, NAPL may still be present in this area along the southern property line. To prevent further migration of NAPL onto the remediated areas of the Site, a product monitoring trench was installed as shown on Figure 4 and as described in Section 4.1.

2. RAOC #2- Surface Soil Samples
   Approximately 2.6-acres of the 7.386-acre Site have been backfilled with NYSDEC-approved backfill material. The remaining 4.7-acres of surface material (i.e., top 2-feet) have been characterized. Based on the surface material evaluation, there is an approximate 1-acre area in which the 2-ft. Site cover does not meet Restricted Residential SCOs (refer to Figure 5 and Table 1).

3. RAOC #3- Nuisance Characteristics
   Nuisance characteristics including petroleum-like odors, staining, and/or PID readings greater than 5 ppm were encountered in several locations in areas of remedial excavations completed during the IRM (refer to Figure 6). These characteristics appear to be associated with the sources of the impacts addressed and removed during the IRM. It should be noted that corresponding laboratory analysis data has not identified contaminants of concern above Restricted Residential SCOs in the vicinity of the nuisance characteristics.

4. RAOC #4- Metals in Groundwater
   Select metals have been identified in groundwater samples collected as part of the initial RI work and during the post-IRM sampling work. Based on the natural occurrence of metals in soil and groundwater, high turbidity readings identified in several of these samples which could indicate analysis of sediment along with groundwater, and the lack of detections of metals at concentrations above SCOs in soil samples collected from the saturated zone, there does not appear to be a source of metals at the Site. The detections of metals in groundwater samples may be attributed to background concentrations rather than historical Site operations. Refer to Figure 7 and Table 2 for groundwater sample locations and results.

5.0 Standards, Criteria and Guidance

This section identifies the Standards, Criteria and Guidelines (SCGs) for the Site. The SCGs identified are used in order to quantify the extent of contamination at the Site that may require remedial work. The SCGs for soil and groundwater are provided below.

Soil SCGs

The SCGs for soil used in this RI are:

- New York Codes, Rules and Regulations (NYCRR) Subpart 375-6 Soil Cleanup Objectives (SCOs) for the Protection of Groundwater;
- NYCRR Subpart 375-6 SCOs for Unrestricted Use; and,
- NYCRR Subpart 375-6 Remedial Program SCOs for the Protection of Public Health; Restricted Residential Use.

In addition to regulatory agency guidance values, the presence of nuisance characteristics (i.e., photoionization detector (PID) readings greater than 5 parts per million (ppm), petroleum-like odors and/or staining) is used to characterize the extent of contamination at the Site.

Groundwater SCGs

The SCGs for groundwater used in this RI are:

- NYCRR Part 703 Groundwater Standards
- NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values

SCGs for Soil Gas

There are currently no SCGs for soil gas. Soil gas sampling is used as part of the overall Site evaluation.

Sediment SCGs
The SCGs for sediment samples used in this RI are:

- NYSDEC Technical Guidance for Screening Contaminated Sediments

6.0 Proposed Remedy

Three (3) alternatives were evaluated for each RAOC in a RAAR. Note that at the time of this report, the RAAR is considered draft and is under review by the NYSDEC and NYSDOH. On-site Management is proposed for each RAOC. A cover system will be placed in areas of surface soil impacts above Restricted Residential Use SCOs. The product monitoring trench will be periodically monitored for the presence of NAPL. An SMP including an Excavation Work Plan (EWP) and Health and Safety Plan (HASP) has been developed to manage remaining contamination by implementing institutional controls (ICs) and engineering controls (ECs) for the Site. Annual inspections will be completed and documented in annual Periodic Review Reports (PRRs). A summary of the proposed remedy for each RAOC is included below. Refer to Section 7.0 for further details.

RAOC #1– NAPL Along Southern Property Line:
Any NAPL along the southern property line will be monitored and managed in-place in accordance with an SMP. If NAPL is observed, it will be removed in accordance with the SMP. Removal measures are anticipated to include the use of absorbent socks.

RAOC #2– Surface Soils Above Unrestricted Use SCOs or Restricted Residential Use SCOs:
Surface soils that exceed Restricted Residential Use SCOs will be covered with 2-ft. of material that meets Restricted Residential Use criteria and managed in-place. Cover material is anticipated to consist of previously characterized on-Site soils. The cover system will be maintained in accordance with a SMP. The SMP will require annual inspections of the cover system. Annual inspections will be documented in a PRR.

RAOC #3– Subsurface Soils above Unrestricted Use SCOs, Restricted Residential Use SCOs, and/or Exhibiting Nuisance Characteristics
Subsurface soils will be managed in-place in accordance with a SMP. The SMP will require screening of soils during ground intrusive work, and sampling prior to on-Site reuse or off-site disposal. The SMP will require annual inspections of the cover system. Annual inspections will be documented in a PRR.

RAOC #4– Metals in Groundwater
Groundwater impacts will be managed in-place in accordance with a SMP. The SMP will place restrictions on groundwater use to limit potential exposures. The SMP will require annual inspections of the cover system. Annual inspections will be documented in a PRR.

6.1 Summary of Remedial Goals

The goals of the RAWP are as follows:

- Monitor NAPL in the recovery trench and remove NAPL, if encountered.
- Place and maintain a cover system to prevent exposure to surface soil impacts and meet Restricted Residential Use criteria.
- Manage impacted subsurface soils under an SMP including a EWP to minimize exposure to impacts should subsurface soils be disturbed during future earthwork.
- Manage groundwater impacts in place using ICs to restrict the use of groundwater at the Site and ECs including a cover system.

7.0 Design Scope

RAOC #1– NAPL Along Southern Property Line: Alternative 2- On-Site Management

As described in Section 4.1, three (3) pairs of 4-inch PVC risers and slotted piping were installed along the product monitoring trench for monitoring and potential recovery purposes. NAPL has not been observed in the product monitoring trench to date. Monitoring is required to be conducted quarterly for one (1) year in accordance with the SMP. If NAPL is encountered, the proposed recovery methods are as follows:

1. The thickness of NAPL will be evaluated using a bailer as attempts to estimate NAPL thickness using an oil/water interface probe can sometimes be hampered or misrepresented due to LNAPL coating/fouling the probe sensor. As such, a designated bailer will be lowered into each well/ riser, will be allowed to fill and then removed. The thickness of NAPL in the bailer will be measured and recorded.
2. If a measurable amount of NAPL is present in the bailer (i.e., more than a sheen), an absorbent monitoring well sock (*PIG® Monitoring Well Skimming Sock*, or similar) will be lowered into the well and placed so the oil-water interface is near the middle of the sock to account for fluctuations in the water table. Each *PIG® Monitoring Well Skimming Sock* is 1.5-inches in diameter, 18-inches in length and is capable of absorbing 0.13 gallons of product (equivalent to approximately 2.5-inches of product in a 4-inch diameter well). Refer to Appendix 3 for technical specifications of an absorbent sock.
3. The absorbent sock(s) will be removed one (1) month prior to the next scheduled monitoring event and visual observations will be recorded. If measureable NAPL is still present in the well, a new absorbent sock will be placed in the well. Impacted absorbent socks will be placed in plastic garbage bags and placed in a secure, clearly labeled, 55-gallon drum to be temporarily stored on-Site. This drum will be properly disposed of off-site and replaced with a new drum on an as-needed basis.
4. NAPL monitoring will continue for all wells/ risers during each subsequent monitoring event. If measurable NAPL is identified, step 2 will be repeated.

If NAPL is not identified in a well/ riser during a given monitoring event, no action will be completed regarding that given well/ riser until the subsequent monitoring event. Following one (1) year of quarterly monitoring, if NAPL has not been observed, the need for additional monitoring will be assessed and the NYSDEC and NYSDOH may be petitioned to eliminate monitoring.

RAOC #2– Surface Soils Above Unrestricted Use SCOs or Restricted Residential Use SCOs : Alternative 2- Soil Cover and On-Site Management

The proposed remedy for RAOC #2 is on-site management. Four (4) cover samples have been identified which do not meet Restricted Residential Use criteria (refer to Figure 5 and Table 1). These four (4) samples are surrounded by an area totaling approximately 43,000-square feet (approximately 1-acre) of the Site, as depicted on Figure 5. In order for the Site cover to meet Restricted Residential Use criteria, it is proposed to cover these four (4) sample locations with material that meets Restricted Residential Use criteria. Soil known as "Building 5 Reuse" soils, also referred to as "Backfill Source 14" in the CCR were previously sampled in place and analyzed in accordance with NYSDEC DER-10 for reuse on-Site by advancing fifteen (15) test pits, as shown on Figure 5. The NYSDEC has approved the on-Site reuse of 13,500-cubic yards of "Building 5" soils (refer to the CCR for further details). Of the 13,500-cubic yards approved for reuse, 2,815-cubic yards were previously utilized for backfill during the IRM work.

As described in the CCR, the greatest elevation depths of the Building 5 Reuse characterization samples were 465-ft feet above mean sea level (fmsl). To ensure that a layer of characterized soil at least 2-ft in thickness remains in the Building 5 Reuse footprint subsequent to the reuse of these soils for cover on the northeastern portion of the Site, soil will not be removed below 467-ft fmsl from the Building 5 Reuse footprint as part of the implementation of this RAWP. Elevations will be determined in the field using GPS technology capable of measuring elevations.

The quantity of soil required to cover surface soils exceeding Restricted Residential Use SCOs is approximately 3,200 cubic yards (yd^3). Although not anticipated, in the event that material must be imported to the Site to construct the 2-ft cover, proposed imported material will be sampled per DER-10 Table 5.4(e)-10 prior to importation or the material will meet the exemptions specified in DER-10 for imported material.

The proposed remedy for RAOC #2 includes relocating approximately 3,200 yd^3 of material from the Building 5 Reuse area to cover samples Cover-1 through Cover 4 to provide a minimum 2-ft. of cover that meets Restricted Residential Use SCOs. This work is planned to be completed as follows:

- Prior to completing the removal of the soil from the Building 5 Reuse area (or importation of approved material), a demarcation layer will be placed over the area of removal prior to placing the cap material. The demarcation layer will consist of plastic, highly visible mesh or similar.
- The cover material will be placed in 1-ft lifts and then roughly compacted to minimize settling.
- In order to confirm the vertical limit of the cover material, grade stakes will be utilized prior to placement of the soil. The placed and compacted cover material will be compared to the grade lines in the field. Following completion of placement and compaction of the cap, surface elevation data will be collecting using GPS or traditional survey equipment to document the surface elevation of the cap for future monitoring purposes.
- The edges of the cover material will be placed with a 3:1 maximum slope.
- Following placement and compaction, the cover will be seeded to establish vegetative cover.
- Three (3) existing groundwater monitoring wells are located within the proposed cover area (IRM-MW-01, IRM-MW-04 and IRM-MW-05). These wells will be protected during the construction work and will also be raised as needed to the new final grade.
- The construction of the cover will be documented in the Final Engineering Report.

The CAMP, included as Appendix 2, will be implemented during this work.

Following cover placement, the cover system will be maintained in accordance with the SMP. The SMP contains a EWP which outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining contamination is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a HASP and CAMP.

RAOC #3– Subsurface Soils above Unrestricted Use SCOs, Restricted Residential Use SCOs, and/or Exhibiting Nuisance Characteristics: Alternative 2- Soil Cover and On-Site Management
The proposed remedy for RAOC #3 is on-site management. In order to limit exposure to subsurface contaminants, the cover system will be maintained in accordance with the SMP. The SMP contains an EWP which outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining contamination is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a HASP and CAMP.

RAOC #4– Metals in Groundwater: Alternative 2- On-Site Management
The proposed remedy for RAOC #4 is on-site management. In order to limit exposure to groundwater contaminants, groundwater will be managed in accordance with the SMP. The SMP contains a EWP which outlines fluids management processes to be followed if groundwater is encountered. In accordance with the SMP, the use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Monroe County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the NYSDEC.

8.0 Schedule and Reporting (Deliverables)

The remedial action field activities including cover placement and NAPL monitoring are anticipated to be implemented within three (3) weeks of approval of this Work Plan by the NYSDEC and NYSDOH.

Results of monitoring events will be included in Monthly Progress Reports, as required by the BCP, until the Site receives a Certificate of Completion. Subsequent to the Certificate of Completion being issued, the monitoring events will be completed as required in the SMP and documented in Periodic Review Reports, as required by the SMP.

9.0 Health and Safety and Community Air Monitoring

The NYSDEC-approved Health and Safety Plan (HASP) for this project is included as Appendix 1. The NYSDOH Generic Community Air Monitoring Plan (CAMP) and Fugitive Dust and Particulate Monitoring is included as Appendix 2.

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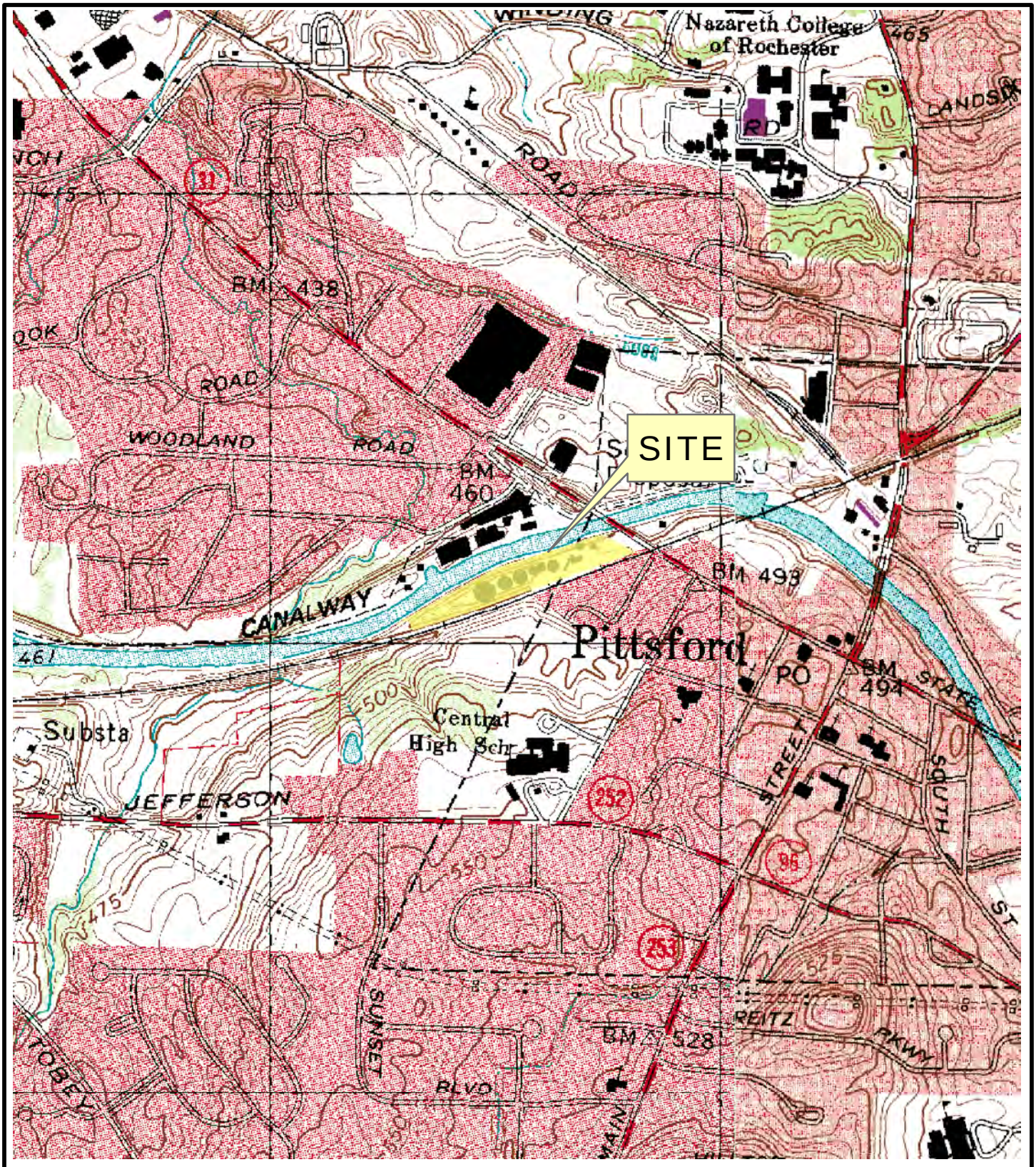
FIGURES



NORTH

0 250 500 1,000 Feet

FIGURE 1
SITE LOCATION MAP

Remedial Action Work Plan
Former Monoco Oil
BCP Site #C828137
75 Monroe Avenue
Pittsford, New York 14534

LABELLA Associates, D.P.C.

PROJECT NO. 213647

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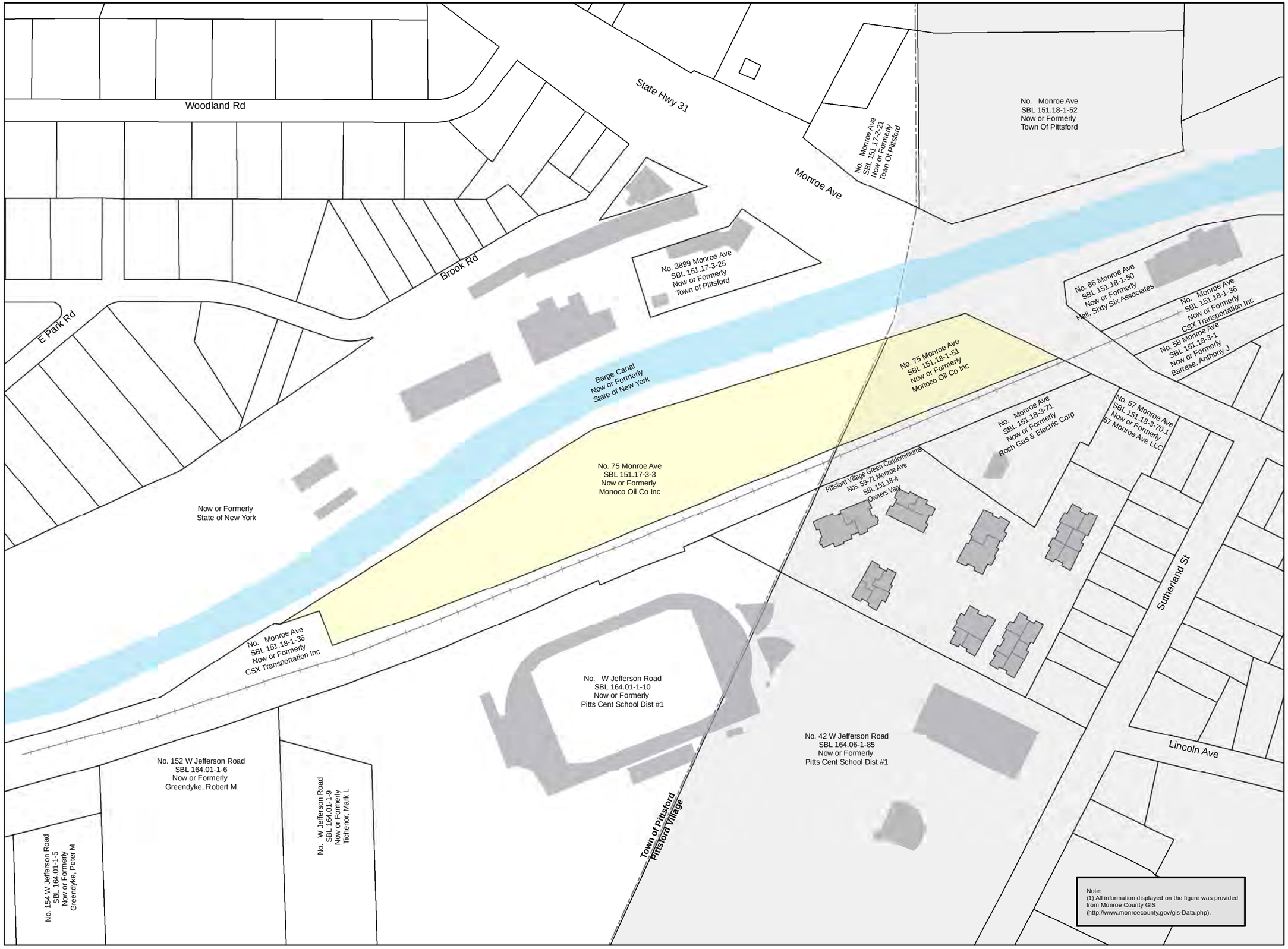

Path: I:\Mark IV Enterprises\213647 - 75 Monroe Ave NYSBCP Program Completion\Drawings\RAWP\Figure 2- Site Boundary and Surrounding Parcels.mxd

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REMEDIAL ACTION WORK PLAN

Former Monoco Oil
BCP Site #C828137

75 Monroe Avenue
Pittsford, New York

SITE BOUNDARY AND SURROUNDING PARCELS

N
W E
S

0 200

1 inch = 200 feet

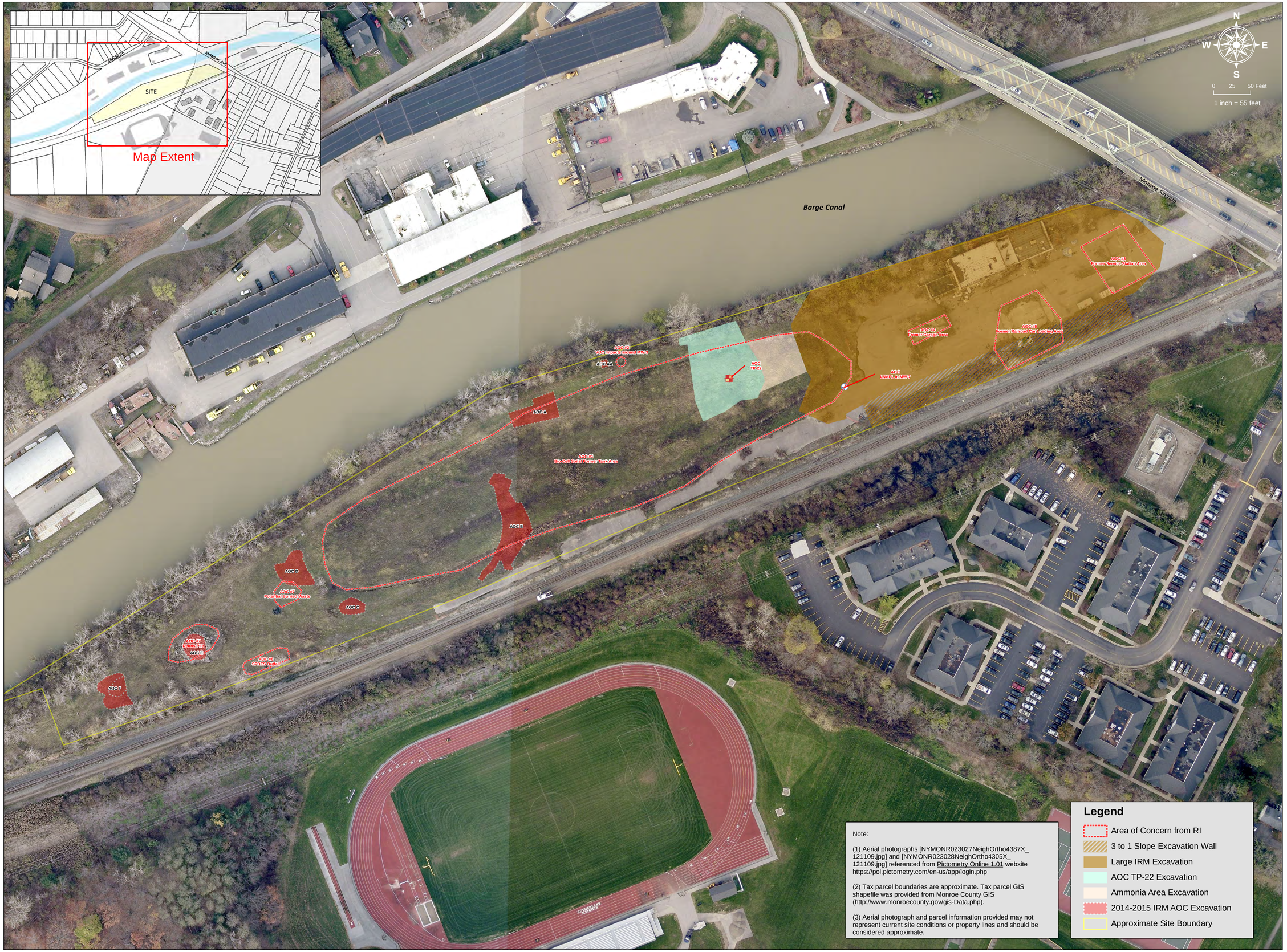
Issued For:
FINAL

Date: 7/20/2016

Drawn By:
AAQUILINA

213647

FIGURE 2



Note:

(1) Aerial photographs [NYMONR023027NeighOrtho4387X_121109.jpg] and [NYMONR023028NeighOrtho4305X_121109.jpg] referenced from Pictometry Online 1.01 website https://pol.pictometry.com/en-us/app/login.php

(2) Tax parcel boundaries are approximate. Tax parcel GIS shapefile was provided from Monroe County GIS (http://www.monroecounty.gov/gis-Data.php).

(3) Aerial photograph and parcel information provided may not represent current site conditions or property lines and should be considered approximate.

Legend

- Area of Concern from RI
- 3 to 1 Slope Excavation Wall
- Large IRM Excavation
- AOC TP-22 Excavation
- Ammonia Area Excavation
- 2014-2015 IRM AOC Excavation
- Approximate Site Boundary

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PROJECT/CLIENT

Former Monoco Oil
BCP Site #C828137
Remedial Action Work Plan

75 Monroe Avenue
Pittsford, New York

DRAWING TITLE

Areas of Concern and
Interim Remedial Measure
Excavations

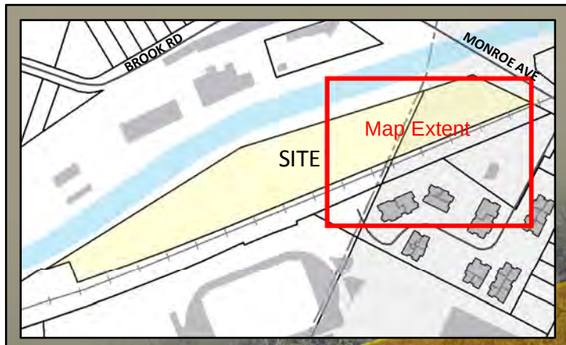
ISSUED FOR: FINAL
DATE: 7/20/2016
DESIGNED BY: AA
DRAWN BY: AA
REVIEWED BY: JMG
Intended to print as ARCH D size

PROJECT/DRAWING NUMBER

213647

FIGURE 3

Path: I:\Mark IV Enterprises\213647 - 75 Monroe Ave NYSBCP Program Completion\Drawings\RAWP\Figure 3- RI and IRM AOCs.mxd

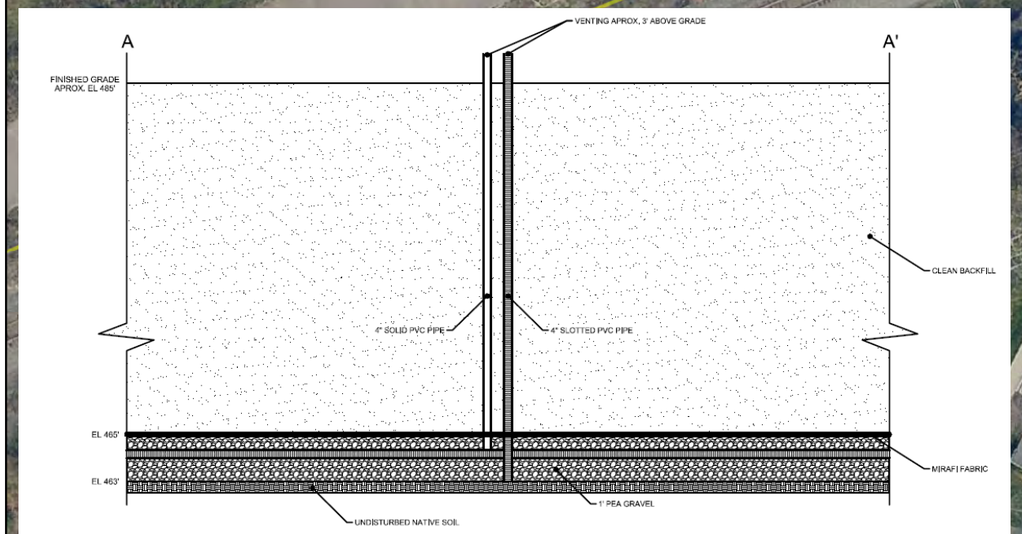


Trench Dimension:
335' L x 2' W x 2' D

A
A'
B
B'

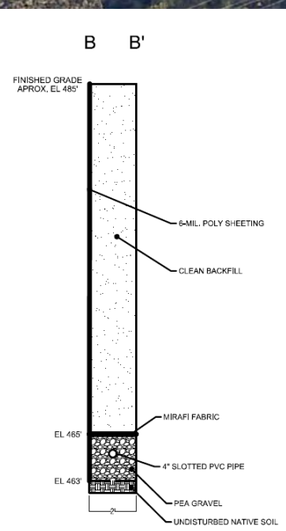
CSX Railroad Tracks

Area of NAPL observed during IRM Excavation



TRENCH DETAIL: NESTED PAIR RISER TO GAUGE LNAPL

NOTES:
1. NOT TO SCALE.
2. ELEVATIONS ARE APPROXIMATE.



SECTION THROUGH TRENCH

NOTES:
1. NOT TO SCALE.
2. ELEVATIONS ARE APPROXIMATE.

Legend

- Risers/ Monitoring Well Nested Pairs
- Product Recovery Trench
- 3 to 1 Slope Excavation Wall Left In-Place
- IRM Excavations
- Approximate Site Boundary

N
W E
S

Note:

(1) Aerial photographs [NYMONR023027NeighOrtho4387X_121109.jpg] and [NYMONR023028NeighOrtho4305X_121109.jpg] referenced from Pictometry Online 1.01 website https://pol.pictometry.com/en-us/app/login.php

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0 50 Feet

1 inch = 50 feet

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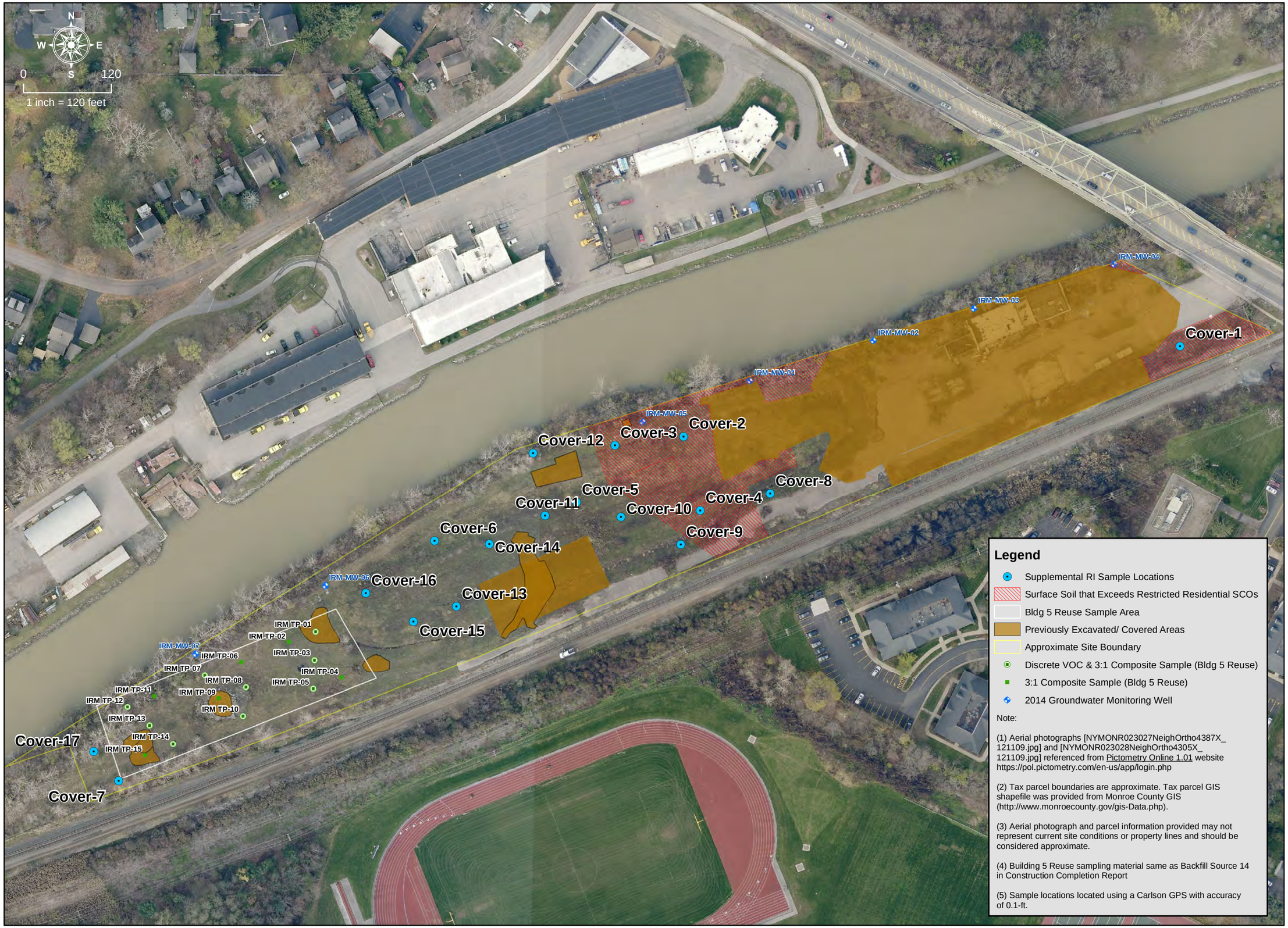
PROJECT/CLIENT
Former Monoco Oil
BCP Site #C828137
Remedial Action Work Plan
75 Monroe Avenue
Pittsford, New York

DRAWING TITLE
Remedial Area of Concern #1

ISSUED FOR: FINAL
DESIGNED BY: AA
DRAWN BY: AA
REVIEWED BY: JMG
DATE: 7/27/2016
Intended to print as 11 X 17

PROJECT/DRAWING NUMBER
213647
FIGURE 4

Path: I:\Mark IV Enterprises\213647 - 75 Monroe Ave NYSBCP Program Completion\Drawings\RAWP\Figure 4- RAOC 1 Alternatives.mxd



Path: I:\Mark IV Enterprises\213647 - 75 Monroe Ave NYSBCP Program Completion\Drawings\RAWP\Figure 5 - RAOC 2 Alternatives.mxd

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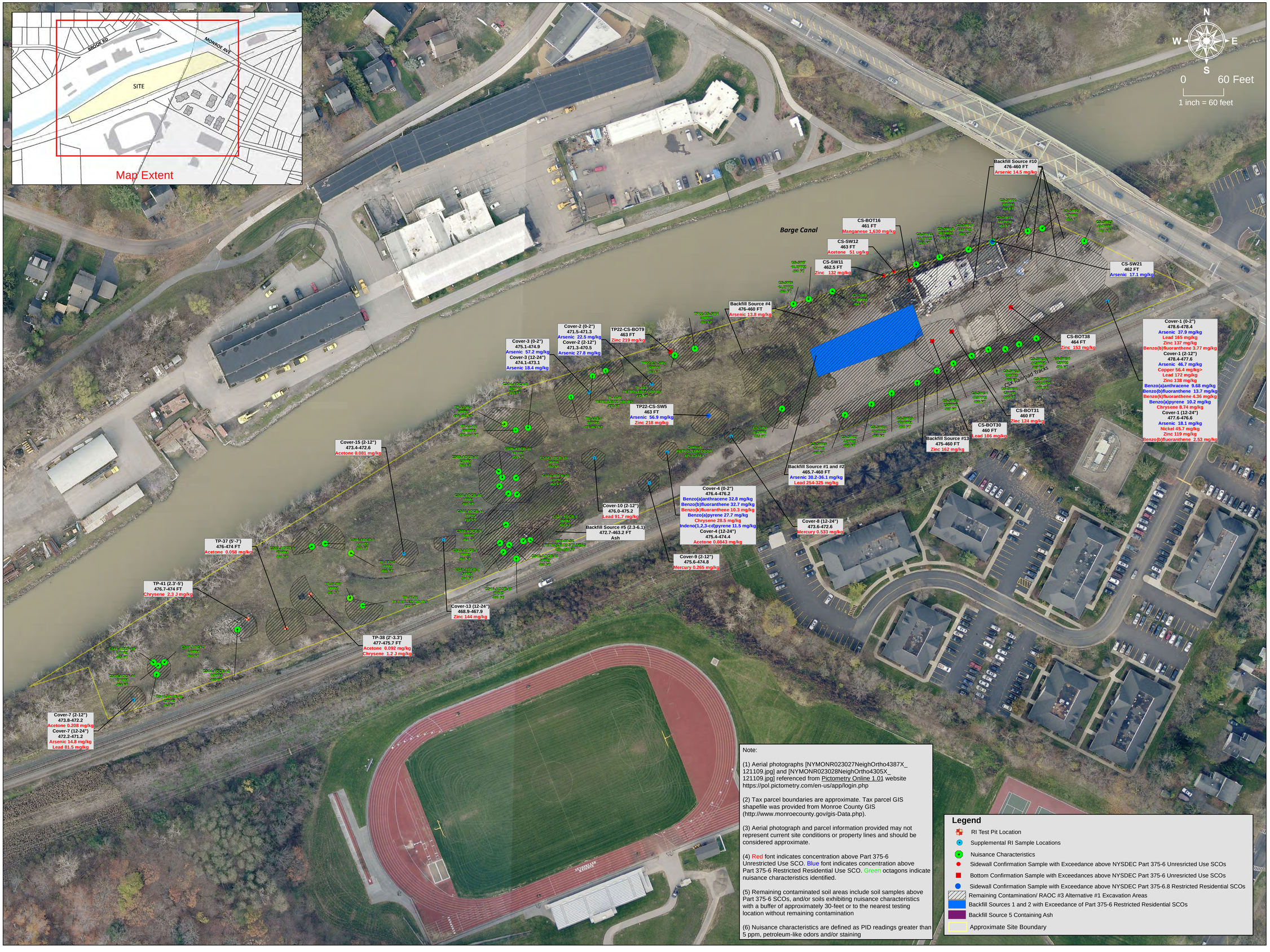
PROJECT/CLIENT
Former Monoco Oil
BCP Site #C828137
Remedial Action Work Plan
75 Monroe Avenue
Pittsford, New York

DRAWING TITLE
Remedial Area of Concern #2

ISSUED FOR: FINAL
DESIGNED BY: AA
DRAWN BY: AA
REVIEWED BY: JMG
DATE: 7/27/2016
Intended to print as 11X 17

PROJECT/DRAWING NUMBER
213647
FIGURE 5



Note:

(1) Aerial photographs [NYMONR023027NeighOrtho4387X_ 121109.jpg] and [NYMONR023028NeighOrtho4305X_ 121109.jpg] referenced from Pictometry Online 1.01 website https://pol.pictometry.com/en-us/app/login.php

(2) Tax parcel boundaries are approximate. Tax parcel GIS shapefile was provided from Monroe County GIS (http://www.monroecounty.gov/gis-Data.php).

(3) Aerial photograph and parcel information provided may not represent current site conditions or property lines and should be considered approximate.

(4) Red font indicates concentration above Part 375-6 Unrestricted Use SCO. Blue font indicates concentration above Part 375-6 Restricted Residential Use SCO. Green octagons indicate nuisance characteristics identified.

(5) Remaining contaminated soil areas include soil samples above Part 375-6 SCOs, and/or soils exhibiting nuisance characteristics with a buffer of approximately 30-feet or to the nearest testing location without remaining contamination

(6) Nuisance characteristics are defined as PID readings greater than 5 ppm, petroleum-like odors and/or staining

Legend

- RI Test Pit Location
- Supplemental RI Sample Locations
- Nuisance Characteristics
- Sidewall Confirmation Sample with Exceedance above NYSDEC Part 375-6 Unresricted Use SCOs
- Bottom Confirmation Sample with Exceedances above NYSDEC Part 375-6 Unresricted Use SCOs
- Sidewall Confirmation Sample with Exceedance above NYSDEC Part 375-6.8 Restricted Residential SCOs
- Remaining Contamination/ RAOC #3 Alternative #1 Excavation Areas
- Backfill Sources 1 and 2 with Exceedance of Part 375-6 Restricted Residential SCOs
- Backfill Source 5 Containing Ash
- Approximate Site Boundary

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PROJECT/CLIENT

Former Monoco Oil
BCP Site #C828137
Remedial Action Work Plan

75 Monroe Avenue
Pittsford, New York

DRAWING TITLE

Remedial Area of Concern #3

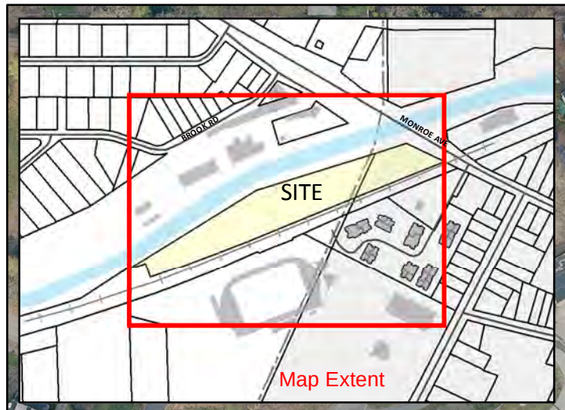
ISSUED FOR: FINAL
DESIGNED BY: AA
DRAWN BY: AA
REVIEWED BY: JMG
DATE: 7/27/2016
Intended to print as ARCH D size

PROJECT/DRAWING NUMBER

213647

FIGURE 6

Path: I:\Mark IV Enterprises\213647 - 75 Monroe Ave NYSBCP Program Completion\Drawings\RAWP\Figure 6- RAOC 3 .mxd



IRM-MW-7

	6/19/2014
VOCs:	No Detections
SVOCs:	No Detections
Pesticides:	No Detections
Metals:	
Iron	372
Magnesium	40,300
Manganese	159
	10/18/2014
VOCs:	No Detections
SVOCs:	No Detections
Pesticides:	No Detections
Metals:	
Iron	480
Magnesium	39,000
Manganese	150
	2/22/2015
VOCs:	No Detections
SVOCs:	No Detections
Pesticides:	No Detections
Metals:	No Exceedances

IRM-MW-5

	6/19/2014
VOCs:	No Detections
SVOCs:	No Exceedances
Pesticides:	No Detections
Metals:	
Iron	3,540
Manganese	714
Sodium	4,410,000
	10/18/2014
VOCs:	No Detections
SVOCs:	No Exceedances
Pesticides:	No Detections
Metals:	
Iron	1,500
Manganese	650
Sodium	35,000
	2/22/2015
VOCs:	No Detections
SVOCs:	No Exceedances
Pesticides:	No Detections
Metals:	
Iron	6,060
Magnesium	45,800
Sodium	34,700

IRM-MW-4

	6/19/2014
VOCs:	No Exceedances
SVOCs:	No Exceedances
Pesticides:	No Detections
Metals:	
Iron	9,040
Magnesium	63,700
Manganese	644
Sodium	73,100
	10/18/2014
VOCs:	No Detections
SVOCs:	No Exceedances
Pesticides:	No Detections
Metals:	
Iron	10,000
Magnesium	67,000
Manganese	570
Sodium	79,000
	2/22/2015
VOCs:	No Detections
SVOCs:	No Detections
Pesticides:	No Detections
Metals:	
Iron	3,630
Sodium	25,700

IRM-MW-3

	6/19/2014
VOCs:	No Exceedances
SVOCs:	No Detections
Pesticides:	No Detections
Metals:	
Iron	24,900
Magnesium	134,000
Manganese	922
Sodium	105,000
	10/18/2014
VOCs:	No Detections
SVOCs:	No Detections
Pesticides:	No Detections
Metals:	
Iron	24,000
Magensium	120,000
Manganese	770
Sodium	100,000
	2/22/2015
Not Sampled	

IRM-MW-2

	6/19/2014
VOCs:	No Detections
SVOCs:	No Exceedances
Pesticides:	No Detections
Metals:	
Iron	25,000
Lead	32.2
Magnesium	137,000
Manganese	668
Sodium	62,800
	10/18/2014
VOCs:	No Exceedances
SVOCs:	No Exceedances
Pesticides:	No Detections
Metals:	
Iron	3,100
Sodium	43,000
	2/22/2015
VOCs:	No Detections
SVOCs:	No Detections
Pesticides:	No Detections
Metals:	
Iron	25,100
Magnesium	109,000
Manganese	855
Sodium	103,000 J

IRM-MW-1

	6/19/2014
VOCs:	No Exceedances
SVOCs:	No Exceedances
Pesticides:	No Detections
Metals:	
Iron	4,930
Magnesium	38,400
Manganese	1,630
Sodium	126,000
	10/18/2014
VOCs:	No Exceedances
SVOCs:	No Exceedances
Pesticides:	No Detections
Metals:	
Iron	5,800
Magnesium	37,000
Manganese	1,600
Sodium	98,000
	2/22/2015
VOCs:	No Exceedances
SVOCs:	No Exceedances
Pesticides:	No Detections
Metals:	
Iron	3,890
Magnesium	32,700
Sodium	25,400

IRM-MW-6

	6/19/2014
VOCs:	No Exceedances
SVOCs:	No Detections
Pesticides:	No Detections
Metals:	
Iron	446
Manganese	65.3
	10/18/2014
VOCs:	No Detections
SVOCs:	No Detections
Pesticides:	No Detections
Metals:	
Iron	360
	2/22/2015
VOCs:	No Detections
SVOCs:	No Detections
Pesticides:	No Detections
Metals:	
Iron	24,300
Magnesium	10,600
Manganese	830
Sodium	98,200

Barge Canal

Monroe Avenue

IRM-MW-01
IRM-MW-02
IRM-MW-03
IRM-MW-04
IRM-MW-05
IRM-MW-06
IRM-MW-07

Generalized Groundwater Flow Direction

CSX Railroad Tra

Legend

- IRM Monitoring Well
- IRM Excavation
- Approximate Site Boundary

Note:

(1) Aerial photographs [NYMONR023027NeighOrtho4387X_121109.jpg] and [NYMONR023028NeighOrtho4305X_121109.jpg] referenced from Pictometry Online 1.01 website https://pol.pictometry.com/en-us/app/login.php

(2) Tax parcel boundaries are approximate. Tax parcel GIS shapefile was provided from Monroe County GIS (http://www.monroecounty.gov/gis-Data.php).

(3) Aerial photograph and parcel information provided may not represent current site conditions or property lines and should be considered approximate.

(4) All compounds detailed on this map are expressed in micrograms per liter (ug/L) or parts per billion (ppb) and exceed NY TOGS 1.1.1 Class GA Groundwater Standards.

0 120
Feet
1 inch = 120 feet

N W E S

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PROJECT/CLIENT
Former Monoco Oil
BCP Site #C828137
Remedial Action Work Plan
75 Monroe Avenue
Pittsford, New York

DRAWING TITLE
Remedial Area of Concern #4

ISSUED FOR: FINAL
DESIGNED BY: AA
DRAWN BY: AA
REVIEWED BY: JMG
DATE: 7/27/2016
Intended to print as 11 X 17

PROJECT/DRAWING NUMBER
213647
FIGURE 7

Path: I:\Mark IV Enterprises\213647 - 75 Monroe Ave NYSBCP Program Completion\Drawings\RAWP\Figure 7- RAOC 4 Alternatives.mxd

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TABLES

Table 1 - Supplemental RI Soil Sample Results
Former Monoco Oil - #C828137
VOCs in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-4			COVER-4			COVER-5			COVER-5			COVER-6			COVER-6			COVER-7			COVER-7			COVER-15			COVER-15			BLIND DUP 2		
Depth			2-12 IN			12-24 IN			2-12 IN			12-24 IN			2-12 IN			12-24 IN			2-12 IN			12-24 IN			2-12 IN			12-24 IN			(COVER-4-2-12 IN)		
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier
n-Butylbenzene	12	500	<0.00111	mg/kg	J3[J6](UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
sec-Butylbenzene	11	500	<0.00111	mg/kg	J3[J6](UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
tert-Butylbenzene	5.9	500	<0.00111	mg/kg	J3[J6](UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
p-Isopropyltoluene	NA	NA	<0.00111	mg/kg	J3[J6](UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
n-Propylbenzene	3.9	500	<0.00111	mg/kg	J3[J6](UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
1,2,4-Trimethylbenzene	3.6	190	<0.00111	mg/kg	J3[J6](UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
1,3,5-Trimethylbenzene	8.4	190	<0.00111	mg/kg	J3[J6](UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
Acetone	0.05	500	<0.0556	mg/kg	UJ	0.0843	mg/kg	J	<0.0572	mg/kg	UJ	<0.0682	mg/kg	UJ	<0.0544	mg/kg	UJ	<1.31	mg/kg	UJ	0.208	mg/kg	J	<0.0556	mg/kg	UJ	0.081	mg/kg	J	<0.0584	mg/kg	UJ	<0.0554	mg/kg	UJ
Benzene	0.06	44	0.00549	mg/kg	J6[J	0.00318	mg/kg	J	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	0.0029	mg/kg	J	<0.00111	mg/kg	UJ	0.00359	mg/kg	J	0.00317	mg/kg	J	0.00452	mg/kg	J
Bromochloromethane	NA	NA	<0.00111	mg/kg	J6[UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
Bromodichloromethane	NA	NA	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
Bromoform	NA	NA	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
Bromomethane	NA	NA	<0.00556	mg/kg	UJ	<0.00541	mg/kg	UJ	<0.00572	mg/kg	UJ	<0.00682	mg/kg	UJ	<0.00544	mg/kg	UJ	<0.131	mg/kg	UJ	<0.0058	mg/kg	UJ	<0.00556	mg/kg	UJ	<0.00694	mg/kg	UJ	<0.00584	mg/kg	UJ	<0.00554	mg/kg	UJ
Carbon disulfide	NA	NA	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
Carbon tetrachloride	0.76	22	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
Chlorobenzene	1.1	500	<0.00111	mg/kg	J6[UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
Chlorodibromomethane	NA	NA	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
Chloroethane	NA	NA	<0.00556	mg/kg	UJ	<0.00541	mg/kg	UJ	<0.00572	mg/kg	UJ	<0.00682	mg/kg	UJ	<0.00544	mg/kg	UJ	<0.131	mg/kg	UJ	<0.0058	mg/kg	UJ	<0.00556	mg/kg	UJ	<0.00694	mg/kg	UJ	<0.00584	mg/kg	UJ	<0.00554	mg/kg	UJ
Chloroform	0.37	350	<0.00556	mg/kg	UJ	<0.00541	mg/kg	UJ	<0.00572	mg/kg	UJ	<0.00682	mg/kg	UJ	<0.00544	mg/kg	UJ	<0.131	mg/kg	UJ	<0.0058	mg/kg	UJ	<0.00556	mg/kg	UJ	<0.00694	mg/kg	UJ	<0.00584	mg/kg	UJ	<0.00554	mg/kg	UJ
Chloromethane	NA	NA	<0.00278	mg/kg	UJ	<0.00271	mg/kg	UJ	<0.00286	mg/kg	UJ	<0.00341	mg/kg	UJ	<0.00272	mg/kg	UJ	<0.0655	mg/kg	UJ	<0.0029	mg/kg	UJ	<0.00278	mg/kg	UJ	<0.00347	mg/kg	UJ	<0.00292	mg/kg	UJ	<0.00277	mg/kg	UJ
Cyclohexane	NA	NA	R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg	
1,2-Dibromo-3-Chloropropane	NA	NA	<0.00556	mg/kg	UJ	<0.00541	mg/kg	UJ	<0.00572	mg/kg	UJ	<0.00682	mg/kg	UJ	<0.00544	mg/kg	UJ	<0.131	mg/kg	UJ	<0.0058	mg/kg	UJ	<0.00556	mg/kg	UJ	<0.00694	mg/kg	UJ	<0.00584	mg/kg	UJ	<0.00554	mg/kg	UJ
1,2-Dibromoethane	NA	NA	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
Dichlorodifluoromethane	NA	NA	<0.00556	mg/kg	UJ	<0.00541	mg/kg	UJ	<0.00572	mg/kg	UJ	<0.00682	mg/kg	UJ	<0.00544	mg/kg	UJ	<0.131	mg/kg	UJ	<0.0058	mg/kg	UJ	<0.00556	mg/kg	UJ	<0.00694	mg/kg	UJ	<0.00584	mg/kg	UJ	<0.00554	mg/kg	UJ
1,1-Dichloroethane	0.27	240	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
1,2-Dichloroethane	0.02	30	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
1,2-Dichlorobenzene	1.1	500	<0.00111	mg/kg	J3[J4,J6](UJ	<0.00108	mg/kg	J4[UJ	<0.00114	mg/kg	J4[UJ	<0.00136	mg/kg	J4[UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	J4[UJ
1,3-Dichlorobenzene	2.4	280	<0.00111	mg/kg	J3[J6](UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
1,4-Dichlorobenzene	1.8	130	<0.00111	mg/kg	J3[J6](UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
1,1-Dichloroethene	0.33	500	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
cis-1,2-Dichloroethene	0.25	500	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
trans-1,2-Dichloroethene	0.19	500	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
1,2-Dichloropropane	NA	NA	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
cis-1,3-Dichloropropene	NA	NA	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
trans-1,3-Dichloropropene	NA	NA	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
Ethylbenzene	1	390	<0.00111	mg/kg	J6[UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
2-Hexanone	NA	NA	<0.0111	mg/kg	UJ	<0.0108	mg/kg	UJ	<0.0114	mg/kg	UJ	<0.0136	mg/kg	UJ	<0.0109	mg/kg	UJ	<0.262	mg/kg	UJ	<0.0116	mg/kg	UJ	<0.0111	mg/kg	UJ	<0.0139	mg/kg	UJ	<0.0117	mg/kg	UJ	<0.0111	mg/kg	UJ
Isopropylbenzene	NA	NA	<0.0111	mg/kg	J3[J6](UJ	<0.0108	mg/kg	UJ	<0.0114	mg/kg	UJ	<0.0136	mg/kg	UJ	<0.0109	mg/kg	UJ	<0.262	mg/kg	UJ	<0.0116	mg/kg	UJ	<0.0111	mg/kg	UJ	<0.0139	mg/kg	UJ	<0.0117	mg/kg	UJ	<0.0111	mg/kg	UJ
2-Butanone (MEK)	0.12	500	<0.0111	mg/kg	UJ	0.0216	mg/kg	J	<0.0114	mg/kg	UJ	<0.0136	mg/kg	UJ	<0.0109	mg/kg	UJ	<0.262	mg/kg	UJ	0.0275	mg/kg	J	<0.0111	mg/kg	UJ	<0.0139	mg/kg	UJ	<0.0117	mg/kg	UJ	<0.0111	mg/kg	UJ
Methyl Acetate	NA	NA	R	mg/kg	UJ	R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg	UJ
Methyl Cyclohexane	NA	NA	R	mg/kg	UJ	R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg		R	mg/kg	UJ
Methylene Chloride	0.05	500	<0.00556	mg/kg	UJ	<0.00541	mg/kg	UJ	<0.00572	mg/kg	UJ	<0.00682	mg/kg	UJ	<0.00544	mg/kg	UJ	<0.131	mg/kg	UJ	<0.0058	mg/kg	UJ	<0.00556	mg/kg	UJ	<0.00694	mg/kg	UJ	<0.00584	mg/kg	UJ	<0.00554	mg/kg	UJ
4-Methyl-2-pentanone (MIBK)	NA	NA	<0.0111	mg/kg	UJ	<0.0108	mg/kg	UJ	<0.0114	mg/kg	UJ	<0.0136	mg/kg	UJ	<0.0109	mg/kg	UJ	<0.262	mg/kg	UJ	<0.0116	mg/kg	UJ	<0.0111	mg/kg	UJ	<0.0139	mg/kg	UJ	<0.0117	mg/kg	UJ	<0.0111	mg/kg	UJ
Methyl tert-butyl ether	0.93	500	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
Naphthalene		500	<0.00556	mg/kg	J3[J4](UJ	<0.00541	mg/kg	J4[UJ	<0.00572	mg/kg	J4[UJ	<0.00682	mg/kg	J4[UJ	<0.00544	mg/kg	UJ	<0.131	mg/kg	UJ	<0.0058	mg/kg	UJ	<0.00556	mg/kg	UJ	<0.00694	mg/kg	UJ	<0.00584	mg/kg	UJ	<0.00554	mg/kg	J4[UJ
Styrene	NA	NA	<0.00111	mg/kg	J6[UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
1,1,2,2-Tetrachloroethane	NA	NA	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
Tetrachloroethene	1.3	150	<0.00111	mg/kg	J6[UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
Toluene	0.7	500	0.00652	mg/kg	J6[J	<0.00541	mg/kg	UJ	<0.00572	mg/kg	UJ	<0.00682	mg/kg	UJ	<0.00544	mg/kg	UJ	<0.131	mg/kg	UJ	<0.0058	mg/kg	UJ	<0.00556	mg/kg	UJ	<0.00694	mg/kg	UJ	<0.00584	mg/kg	UJ	<0.00554	mg/kg	UJ
1,2,3-Trichlorobenzene	NA	NA	<0.00111	mg/kg	J3[UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
1,2,4-Trichlorobenzene	NA	NA	<0.00111	mg/kg	J3[UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
1,1,1-Trichloroethane	0.68	500	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
1,1,2-Trichloroethane	NA	NA	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
Trichloroethene	0.47	200	<0.00111	mg/kg	J6[UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
Trichlorofluoromethane	NA	NA	<0.00556	mg/kg	UJ	<0.00541	mg/kg	UJ	<0.00572	mg/kg	UJ	<0.00682	mg/kg	UJ	<0.00544	mg/kg	UJ	<0.131	mg/kg	UJ	<0.0058	mg/kg	UJ	<0.00556	mg/kg	UJ	<0.00694	mg/kg	UJ	<0.00584	mg/kg	UJ	<0.00554	mg/kg	UJ
1,1,2-Trichlorotrifluoroethane	NA	NA	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
Vinyl chloride	0.02	13	<0.00111	mg/kg	UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
o-Xylene	NA	NA	<0.00111	mg/kg	J6[UJ	<0.00108	mg/kg	UJ	<0.00114	mg/kg	UJ	<0.00136	mg/kg	UJ	<0.00109	mg/kg	UJ	<0.0262	mg/kg	UJ	<0.00116	mg/kg	UJ	<0.00111	mg/kg	UJ	<0.00139	mg/kg	UJ	<0.00117	mg/kg	UJ	<0.00111	mg/kg	UJ
m&p-Xylenes	0.26	500	0.00379	mg/kg	J6[UJ	<0.00216	mg/kg	UJ	<0.00229	mg/kg	UJ	<0.00273	mg/kg	UJ	<0.00218	mg/kg	UJ	<0.0524	mg/kg	UJ	<0.00232	mg/kg	UJ	<0.00222	mg/kg	UJ	0.00278	mg/kg	J	<0.00234	mg/kg	UJ	0.00287	mg/kg	J

All units in mg/Kg.
VOC analysis performed using USEPA Method 8260.
Highlighted values are above NYSDEC Part 375.6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs)
Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential SCOs
Text and values in blue font represent changes from the Data Usability Summary Report
[1]Part 375 Soil Cleanup Objective not listed; NYSDEC CP-51 Soil Cleanup Level value listed instead.
"J3" indicates the associated batch QC was outside the established quality control range for precision.
"J4" indicates the associated batch QC was outside the established quality control rangefor accuracy.
"J5" indicates the sample matrix interfered with the ability to make any accurate determination; spike value is high.
"J6" The sample matrix interfered with the ability to make any accurate determination; spike value is low
"R" indicates data was reiected.
UJ and "J" represent a usable estimation of conditions at the time of sampling.
Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results

Former Monoco Oil - #C828137

SVOCs in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-1			COVER-1			COVER-1			COVER-2			COVER-2			COVER-2			COVER-3			COVER-3		
Depth			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN		
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier
Acenaphthene	20	500	<3.77	mg/kg		<3.99	mg/kg		<1.99	mg/kg		<0.0371	mg/kg		<0.0383	mg/kg		<0.0392	mg/kg		<0.0379	mg/kg		<0.184	mg/kg	
Acenaphthylene	100	500	<3.77	mg/kg		<3.99	mg/kg		<1.99	mg/kg		<0.0371	mg/kg		<0.0383	mg/kg		<0.0392	mg/kg		<0.0379	mg/kg		<0.184	mg/kg	
Acetophenone	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Anthracene	100	500	<3.77	mg/kg		<3.99	mg/kg		<1.99	mg/kg		<0.0371	mg/kg		<0.0383	mg/kg		<0.0392	mg/kg		<0.0379	mg/kg		<0.184	mg/kg	
Atrazine	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Benzaldehyde	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Benzo(a)anthracene	1	5.6	<3.77	mg/kg		**9.68**	mg/kg		<1.99	mg/kg		0.0858	mg/kg		0.0651	mg/kg		<0.0392	mg/kg		0.0432	mg/kg		0.307	mg/kg	
Benzo(b)fluoranthene	1	5.6	3.77	mg/kg		**13.7**	mg/kg		2.53	mg/kg		0.144	mg/kg		0.0536	mg/kg		<0.0392	mg/kg		0.07	mg/kg		0.52	mg/kg	
Benzo(k)fluoranthene	0.8	56	<3.77	mg/kg		4.36	mg/kg		<1.99	mg/kg		0.0406	mg/kg		<0.0383	mg/kg		<0.0392	mg/kg		<0.0379	mg/kg		<0.184	mg/kg	
Benzo(g,h,i)perylene	100	500	<3.77	mg/kg		4.58	mg/kg		<1.99	mg/kg		0.0688	mg/kg		<0.0383	mg/kg		<0.0392	mg/kg		<0.0379	mg/kg		<0.184	mg/kg	
Benzo(a)pyrene	1	1	<3.77	mg/kg		**10.2**	mg/kg		<1.99	mg/kg		0.0839	mg/kg		0.0477	mg/kg		<0.0392	mg/kg		0.0453	mg/kg		0.341	mg/kg	
Biphenyl	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Bis(2-chlorethoxy)methane	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Bis(2-chloroethyl)ether	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Bis(2-chloroisopropyl)ether	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
4-Bromophenyl-phenylether	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Caprolactam	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Carbazole	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
4-Chloroaniline	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
2-Chloronaphthalene	NA	NA	<3.77	mg/kg		<3.99	mg/kg		<1.99	mg/kg		<0.0371	mg/kg		<0.0383	mg/kg		<0.0392	mg/kg		<0.0379	mg/kg		<0.184	mg/kg	
4-Chlorophenyl-phenylether	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Chrysene	1	56	<3.77	mg/kg		8.74	mg/kg		<1.99	mg/kg		0.0663	mg/kg		0.0436	mg/kg		<0.0392	mg/kg		0.0417	mg/kg		0.25	mg/kg	
Dibenz(a,h)anthracene	0.33	0.56	<3.77	mg/kg		<3.99	mg/kg		<1.99	mg/kg		<0.0371	mg/kg		<0.0383	mg/kg		<0.0392	mg/kg		<0.0379	mg/kg		<0.184	mg/kg	
Dibenzofuran	7	350	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
3,3-Dichlorobenzidine	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
2,4-Dinitrotoluene	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
2,6-Dinitrotoluene	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Fluoranthene	100	500	3.77	mg/kg		10.6	mg/kg		<1.99	mg/kg		0.119	mg/kg		0.161	mg/kg	J3	<0.0392	mg/kg		0.0676	mg/kg		0.44	mg/kg	
Fluorene	30	500	<3.77	mg/kg		<3.99	mg/kg		<1.99	mg/kg		<0.0371	mg/kg		<0.0383	mg/kg		<0.0392	mg/kg		<0.0379	mg/kg		<0.184	mg/kg	
Hexachlorobenzene	0.33	6	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Hexachloro-1,3-butadiene	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Hexachlorocyclopentadiene	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Hexachloroethane	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Indeno(1,2,3-cd)pyrene	0.5	5.6	<3.77	mg/kg		<3.99	mg/kg		<1.99	mg/kg		0.0584	mg/kg		<0.0383	mg/kg		<0.0392	mg/kg		<0.0379	mg/kg		<0.184	mg/kg	
Isophorone	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
2-Methylnaphthalene	NA	NA	<3.77	mg/kg		<3.99	mg/kg		<1.99	mg/kg		<0.0371	mg/kg		<0.0383	mg/kg		<0.0392	mg/kg		0.0484	mg/kg		<0.184	mg/kg	
2-Nitroaniline	12	100	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
3-Nitroaniline	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
4-Nitroaniline	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Nitrobenzene	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
n-Nitrosodiphenylamine	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
n-Nitrosodi-n-propylamine	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Phenanthrene	100	500	<3.77	mg/kg		<3.99	mg/kg		<1.99	mg/kg		<0.0371	mg/kg		0.0553	mg/kg	J3	<0.0392	mg/kg		0.0535	mg/kg		<0.184	mg/kg	
Benzylbutyl phthalate	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Bis(2-ethylhexyl)phthalate		NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Di-n-butyl phthalate	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Diethyl phthalate	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Dimethyl phthalate	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Di-n-octyl phthalate	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Pyrene	100	500	3.89	mg/kg		16	mg/kg		2.14	mg/kg		0.126	mg/kg		0.131	mg/kg	J3	<0.0392	mg/kg		0.0654	mg/kg		0.487	mg/kg	
1,2,4,5-Tetrachlorobenzene	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
4-Chloro-3-methylphenol	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
2-Chlorophenol	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
2-Methylphenol	0.33	500	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
3&4-Methyl Phenol	NA	NA	<38	mg/kg	UJ	<40.3	mg/kg	UJ	<20.1	mg/kg	UJ	<0.375	mg/kg	UJ	<0.387	mg/kg	UJ	<0.396	mg/kg	UJ	<0.383	mg/kg	UJ	<1.85	mg/kg	UJ
2,4-Dichlorophenol	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
2,4-Dimethylphenol	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
4,6-Dinitro-2-methylphenol	NA	NA	<38	mg/kg	UJ	<40.3	mg/kg	UJ	<20.1	mg/kg	UJ	<0.375	mg/kg	UJ	<0.387	mg/kg	UJ	<0.396	mg/kg	UJ	<0.383	mg/kg	UJ	<1.85	mg/kg	UJ
2,4-Dinitrophenol	NA	NA	<38	mg/kg	UJ	<40.3	mg/kg	UJ	<20.1	mg/kg	UJ	<0.375	mg/kg	UJ	<0.387	mg/kg	UJ	<0.396	mg/kg	UJ	<0.383	mg/kg	UJ	<1.85	mg/kg	UJ
2-Nitrophenol	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
4-Nitrophenol	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Pentachlorophenol	0.8	6.7	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
Phenol	0.33	500	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
2,4,5-Trichlorophenol	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	
2,4,6-Trichlorophenol	NA	NA	<38	mg/kg		<40.3	mg/kg		<20.1	mg/kg		<0.375	mg/kg		<0.387	mg/kg		<0.396	mg/kg		<0.383	mg/kg		<1.85	mg/kg	

All units in mg/Kg.

SVOC analysis performed using USEPA Method 8270.

Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs)

Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential SCOs

Text and values in blue font represent changes from the Data Usability Summary Report

[1]Part 375 Soil Cleanup Objective not listed; NYSDEC CP-51 Soil Cleanup Level value listed instead.

"J3" indicates the associated batch QC was outside the established quality control range for precision.

"J6" The sample matrix interfered with the ability to make any accurate determination; spike value is low.

"R" indicates data was rejected.

"UJ" and "J" represent a usable estimation of conditions at the time of sampling.

Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results

Former Monoco Oil - #C828137

SVOCs in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-3			COVER-4			COVER-4			COVER-4			COVER-5			COVER-5			COVER-5			COVER-6			COVER-6		
Depth			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN		
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier
Acenaphthene	20	500	<0.186	mg/kg		3.98	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
Acenaphthylene	100	500	<0.186	mg/kg		<1.81	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
Acetophenone	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Anthracene	100	500	<0.186	mg/kg		13.7	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
Atrazine	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Benzaldehyde	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Benzo(a)anthracene	1	5.6	<0.186	mg/kg		**32.8**	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
Benzo(b)fluoranthene	1	5.6	0.225	mg/kg		**32.7**	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
Benzo(k)fluoranthene	0.8	56	<0.186	mg/kg		10.3	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
Benzo(g,h,i)perylene	100	500	<0.186	mg/kg		12.1	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
Benzo(a)pyrene	1	1	<0.186	mg/kg		**27.7**	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
Biphenyl	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Bis(2-chlorethoxy)methane	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Bis(2-chloroethyl)ether	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Bis(2-chloroisopropyl)ether	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
4-Bromophenyl-phenylether	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Caprolactam	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Carbazole	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
4-Chloroaniline	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
2-Chloronaphthalene	NA	NA	<0.186	mg/kg		<1.81	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
4-Chlorophenyl-phenylether	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Chrysene	1	56	<0.186	mg/kg		28.5	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
Dibenz(a,h)anthracene	0.33	0.56	<0.186	mg/kg		<1.81	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
Dibenzofuran	7	350	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
3,3-Dichlorobenzidine	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
2,4-Dinitrotoluene	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
2,6-Dinitrotoluene	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Fluoranthene	100	500	0.333	mg/kg		63.2	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
Fluorene	30	500	<0.186	mg/kg		4.65	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
Hexachlorobenzene	0.33	6	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Hexachloro-1,3-butadiene	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Hexachlorocyclopentadiene	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Hexachloroethane	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Indeno(1,2,3-cd)pyrene	0.5	5.6	<0.186	mg/kg		**11.5**	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
Isophorone	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
2-Methylnaphthalene	NA	NA	<0.186	mg/kg		<1.81	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
2-Nitroaniline	12	100	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
3-Nitroaniline	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
4-Nitroaniline	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Nitrobenzene	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
n-Nitrosodiphenylamine	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
n-Nitrosodi-n-propylamine	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Phenanthrene	100	500	<0.186	mg/kg		44.7	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
Benzylbutyl phthalate	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Bis(2-ethylhexyl)phthalate		NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Di-n-butyl phthalate	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Diethyl phthalate	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Dimethyl phthalate	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Di-n-octyl phthalate	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Pyrene	100	500	0.305	mg/kg		63.6	mg/kg		<0.367	mg/kg		<0.179	mg/kg		<0.0385	mg/kg		<0.0377	mg/kg		<0.0385	mg/kg		<0.18	mg/kg		<0.0359	mg/kg	
1,2,4,5-Tetrachlorobenzene	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
4-Chloro-3-methylphenol	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
2-Chlorophenol	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
2-Methylphenol	0.33	500	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
3&4-Methyl Phenol	NA	NA	<1.88	mg/kg	UJ	<18.3	mg/kg	UJ	<3.7	mg/kg	UJ	<1.8	mg/kg	UJ	<0.389	mg/kg	UJ	<0.381	mg/kg	UJ	<0.388	mg/kg	UJ	<1.82	mg/kg	UJ	<0.363	mg/kg	UJ
2,4-Dichlorophenol	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
2,4-Dimethylphenol	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
4,6-Dinitro-2-methylphenol	NA	NA	<1.88	mg/kg	UJ	<18.3	mg/kg	UJ	<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg	UJ	<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
2,4-Dinitrophenol	NA	NA	<1.88	mg/kg	UJ	<18.3	mg/kg	UJ	R	mg/kg	J6	<1.8	mg/kg		<0.389	mg/kg	UJ	<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
2-Nitrophenol	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
4-Nitrophenol	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Pentachlorophenol	0.8	6.7	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
Phenol	0.33	500	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
2,4,5-Trichlorophenol	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	
2,4,6-Trichlorophenol	NA	NA	<1.88	mg/kg		<18.3	mg/kg		<3.7	mg/kg		<1.8	mg/kg		<0.389	mg/kg		<0.381	mg/kg		<0.388	mg/kg		<1.82	mg/kg		<0.363	mg/kg	

All units in mg/Kg.

SVOC analysis performed using USEPA Method 8270.

Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Clean

Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential SCO

Text and values in blue font represent changes from the Data Usability Summary Re

[1]Part 375 Soil Cleanup Objective not listed; NYSDEC CP-51 Soil Cleanup Level val

"J3" indicates the associated batch QC was outside the established quality control r

"J6" The sample matrix interfered with the ability to make any accurate determinatio

"R" indicates data was rejected.

"UJ" and "J" represent a usable estimation of conditions at the time of sampling.

Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results
Former Monoco Oil - #C828137
SVOCs in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-6			COVER-7			COVER-7			COVER-7			COVER-8			COVER-8			COVER-8			COVER-9			COVER-9		
Depth			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN		
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier
Acenaphthene	20	500	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		<0.0368	mg/kg		<0.0357	mg/kg		<0.037	mg/kg		<0.182	mg/kg		<1.88	mg/kg	
Acenaphthylene	100	500	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		<0.0368	mg/kg		<0.0357	mg/kg		<0.037	mg/kg		<0.182	mg/kg		<1.88	mg/kg	
Acetophenone	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Anthracene	100	500	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		<0.0368	mg/kg		<0.0357	mg/kg		<0.037	mg/kg		<0.182	mg/kg		<1.88	mg/kg	
Atrazine	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Benzaldehyde	NA	NA	<0.371	mg/kg		2.85	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Benzo(a)anthracene	1	5.6	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		0.0391	mg/kg		0.202	mg/kg		<0.037	mg/kg		0.313	mg/kg		<1.88	mg/kg	
Benzo(b)fluoranthene	1	5.6	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		0.0469	mg/kg		0.209	mg/kg		<0.037	mg/kg		0.512	mg/kg		<1.88	mg/kg	
Benzo(k)fluoranthene	0.8	56	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		<0.0368	mg/kg		0.0657	mg/kg		<0.037	mg/kg		<0.182	mg/kg		<1.88	mg/kg	
Benzo(g,h,i)perylene	100	500	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		<0.0368	mg/kg		0.051	mg/kg		<0.037	mg/kg		0.194	mg/kg		<1.88	mg/kg	
Benzo(a)pyrene	1	1	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		<0.0368	mg/kg		0.111	mg/kg		<0.037	mg/kg		0.307	mg/kg		<1.88	mg/kg	
Biphenyl	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Bis(2-chloroethoxy)methane	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Bis(2-chloroethyl)ether	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Bis(2-chloroisopropyl)ether	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
4-Bromophenyl-phenylether	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Caprolactam	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Carbazole	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
4-Chloroaniline	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
2-Chloronaphthalene	NA	NA	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		<0.0368	mg/kg		<0.0357	mg/kg		<0.037	mg/kg		<0.182	mg/kg		<1.88	mg/kg	
4-Chlorophenyl-phenylether	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Chrysene	1	56	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		<0.0368	mg/kg		0.186	mg/kg		<0.037	mg/kg		0.342	mg/kg		<1.88	mg/kg	
Dibenz(a,h)anthracene	0.33	0.56	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		<0.0368	mg/kg		<0.0357	mg/kg		<0.037	mg/kg		<0.182	mg/kg		<1.88	mg/kg	
Dibenzofuran	7	350	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
3,3-Dichlorobenzidine	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
2,4-Dinitrotoluene	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
2,6-Dinitrotoluene	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Fluoranthene	100	500	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		0.0562	mg/kg		0.228	mg/kg		<0.037	mg/kg		0.895	mg/kg		<1.88	mg/kg	
Fluorene	30	500	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		<0.0368	mg/kg		<0.0357	mg/kg		<0.037	mg/kg		<0.182	mg/kg		<1.88	mg/kg	
Hexachlorobenzene	0.33	6	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Hexachloro-1,3-butadiene	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Hexachlorocyclopentadiene	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Hexachloroethane	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Indeno(1,2,3-cd)pyrene	0.5	5.6	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		<0.0368	mg/kg		0.0523	mg/kg		<0.037	mg/kg		0.194	mg/kg		<1.88	mg/kg	
Isophorone	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
2-Methylnaphthalene	NA	NA	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		<0.0368	mg/kg		0.0392	mg/kg		<0.037	mg/kg		<0.182	mg/kg		<1.88	mg/kg	
2-Nitroaniline	12	100	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
3-Nitroaniline	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
4-Nitroaniline	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Nitrobenzene	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
n-Nitrosodiphenylamine	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
n-Nitrosodi-n-propylamine	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Phenanthrene	100	500	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		<0.0368	mg/kg		0.0642	mg/kg		<0.037	mg/kg		0.627	mg/kg		<1.88	mg/kg	
Benzylbutyl phthalate	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Bis(2-ethylhexyl)phthalate		NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Di-n-butyl phthalate	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Diethyl phthalate	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Dimethyl phthalate	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Di-n-octyl phthalate	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Pyrene	100	500	<0.0368	mg/kg		<0.2	mg/kg		<0.192	mg/kg		<0.0734	mg/kg		0.0511	mg/kg		0.219	mg/kg		<0.037	mg/kg		0.792	mg/kg		<1.88	mg/kg	
1,2,4,5-Tetrachlorobenzene	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
4-Chloro-3-methylphenol	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
2-Chlorophenol	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
2-Methylphenol	0.33	500	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
3&4-Methyl Phenol	NA	NA	<0.371	mg/kg	UJ	<2.01	mg/kg	UJ	<1.93	mg/kg	UJ	<0.741	mg/kg	UJ	<0.371	mg/kg	UJ	<0.36	mg/kg	UJ	<0.373	mg/kg	UJ	<1.84	mg/kg	UJ	<19	mg/kg	UJ
2,4-Dichlorophenol	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
2,4-Dimethylphenol	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
4,6-Dinitro-2-methylphenol	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg	UJ	<0.36	mg/kg	UJ	<0.373	mg/kg	UJ	<1.84	mg/kg	UJ	<19	mg/kg	UJ
2,4-Dinitrophenol	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg	UJ	<0.36	mg/kg	UJ	<0.373	mg/kg	UJ	<1.84	mg/kg	UJ	<19	mg/kg	UJ
2-Nitrophenol	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
4-Nitrophenol	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Pentachlorophenol	0.8	6.7	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
Phenol	0.33	500	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
2,4,5-Trichlorophenol	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	
2,4,6-Trichlorophenol	NA	NA	<0.371	mg/kg		<2.01	mg/kg		<1.93	mg/kg		<0.741	mg/kg		<0.371	mg/kg		<0.36	mg/kg		<0.373	mg/kg		<1.84	mg/kg		<19	mg/kg	

All units in mg/Kg.
SVOC analysis performed using USEPA Method 8270.
Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Clean
Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential SCO
Text and values in blue font represent changes from the Data Usability Summary Re
[1]Part 375 Soil Cleanup Objective not listed; NYSDEC CP-51 Soil Cleanup Level val
"J3" indicates the associated batch QC was outside the established quality control r
"J6" The sample matrix interfered with the ability to make any accurate determinatio
"R" indicates data was rejected.
"UJ" and "J" represent a usable estimation of conditions at the time of sampling.
Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results
Former Monoco Oil - #C828137
SVOCs in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-9			COVER-10			COVER-10			COVER-10			COVER-11			COVER-11			COVER-11			COVER-12			COVER-12		
Depth			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN		
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier
Acenaphthene	20	500	<0.356	mg/kg		<0.739	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		<1.96	mg/kg		<0.391	mg/kg	
Acenaphthylene	100	500	<0.356	mg/kg		<0.739	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		<1.96	mg/kg		<0.391	mg/kg	
Acetophenone	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Anthracene	100	500	<0.356	mg/kg		<0.739	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		<1.96	mg/kg		<0.391	mg/kg	
Atrazine	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Benzaldehyde	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Benzo(a)anthracene	1	5.6	<0.356	mg/kg		<0.739	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		<1.96	mg/kg		<0.391	mg/kg	
Benzo(b)fluoranthene	1	5.6	<0.356	mg/kg		0.824	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		<1.96	mg/kg		<0.391	mg/kg	
Benzo(k)fluoranthene	0.8	56	<0.356	mg/kg		<0.739	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		<1.96	mg/kg		<0.391	mg/kg	
Benzo(g,h,i)perylene	100	500	<0.356	mg/kg		<0.739	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		<1.96	mg/kg		<0.391	mg/kg	
Benzo(a)pyrene	1	1	<0.356	mg/kg		<0.739	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		<1.96	mg/kg		<0.391	mg/kg	
Biphenyl	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Bis(2-chloroethoxy)methane	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Bis(2-chloroethyl)ether	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Bis(2-chloroisopropyl)ether	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
4-Bromophenyl-phenylether	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Caprolactam	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Carbazole	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
4-Chloroaniline	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
2-Chloronaphthalene	NA	NA	<0.356	mg/kg		<0.739	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		<1.96	mg/kg		<0.391	mg/kg	
4-Chlorophenyl-phenylether	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Chrysene	1	56	<0.356	mg/kg		<0.739	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		<1.96	mg/kg		<0.391	mg/kg	
Dibenz(a,h)anthracene	0.33	0.56	<0.356	mg/kg		<0.739	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		<1.96	mg/kg		<0.391	mg/kg	
Dibenzofuran	7	350	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
3,3-Dichlorobenzidine	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
2,4-Dinitrotoluene	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
2,6-Dinitrotoluene	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Fluoranthene	100	500	0.463	mg/kg		<0.739	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		<1.96	mg/kg		<0.391	mg/kg	
Fluorene	30	500	<0.356	mg/kg		<0.739	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		<1.96	mg/kg		<0.391	mg/kg	
Hexachlorobenzene	0.33	6	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Hexachloro-1,3-butadiene	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Hexachlorocyclopentadiene	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Hexachloroethane	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Indeno(1,2,3-cd)pyrene	0.5	5.6	<0.356	mg/kg		<0.739	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		<1.96	mg/kg		<0.391	mg/kg	
Isophorone	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
2-Methylnaphthalene	NA	NA	<0.356	mg/kg		<0.739	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		<1.96	mg/kg		<0.391	mg/kg	
2-Nitroaniline	12	100	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
3-Nitroaniline	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
4-Nitroaniline	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Nitrobenzene	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
n-Nitrosodiphenylamine	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
n-Nitrosodi-n-propylamine	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Phenanthrene	100	500	<0.356	mg/kg		<0.739	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		1.99	mg/kg		<0.391	mg/kg	
Benzylbutyl phthalate	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Bis(2-ethylhexyl)phthalate		NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Di-n-butyl phthalate	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Diethyl phthalate	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Dimethyl phthalate	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Di-n-octyl phthalate	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Pyrene	100	500	0.392	mg/kg		<0.739	mg/kg		<1.82	mg/kg		<0.359	mg/kg		<0.185	mg/kg		<0.0365	mg/kg		<0.0362	mg/kg		<1.96	mg/kg		<0.391	mg/kg	
1,2,4,5-Tetrachlorobenzene	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
4-Chloro-3-methylphenol	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
2-Chlorophenol	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
2-Methylphenol	0.33	500	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
3&4-Methyl Phenol	NA	NA	<3.6	mg/kg	UJ	<7.45	mg/kg	UJ	<18.4	mg/kg	UJ	<3.63	mg/kg	UJ	<1.87	mg/kg	UJ	<0.369	mg/kg	UJ	<0.365	mg/kg	UJ	<19.8	mg/kg	UJ	<3.94	mg/kg	UJ
2,4-Dichlorophenol	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
2,4-Dimethylphenol	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
4,6-Dinitro-2-methylphenol	NA	NA	<3.6	mg/kg	UJ	<7.45	mg/kg	UJ	<18.4	mg/kg	UJ	<3.63	mg/kg	UJ	<1.87	mg/kg	UJ	<0.369	mg/kg	UJ	<0.365	mg/kg	UJ	<19.8	mg/kg	UJ	<3.94	mg/kg	UJ
2,4-Dinitrophenol	NA	NA	<3.6	mg/kg	UJ	<7.45	mg/kg	UJ	<18.4	mg/kg	UJ	<3.63	mg/kg	UJ	<1.87	mg/kg	UJ	<0.369	mg/kg	UJ	<0.365	mg/kg	UJ	<19.8	mg/kg	UJ	<3.94	mg/kg	UJ
2-Nitrophenol	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
4-Nitrophenol	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Pentachlorophenol	0.8	6.7	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
Phenol	0.33	500	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
2,4,5-Trichlorophenol	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	
2,4,6-Trichlorophenol	NA	NA	<3.6	mg/kg		<7.45	mg/kg		<18.4	mg/kg		<3.63	mg/kg		<1.87	mg/kg		<0.369	mg/kg		<0.365	mg/kg		<19.8	mg/kg		<3.94	mg/kg	

All units in mg/Kg.
SVOC analysis performed using USEPA Method 8270.
Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Clean
Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential SCO
Text and values in blue font represent changes from the Data Usability Summary Re
[1]Part 375 Soil Cleanup Objective not listed; NYSDEC CP-51 Soil Cleanup Level valu
"J3" indicates the associated batch QC was outside the established quality control r
"J6" The sample matrix interfered with the ability to make any accurate determinatio
"R" indicates data was rejected.
"UJ" and "J" represent a usable estimation of conditions at the time of sampling.
Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results
Former Monoco Oil - #C828137
SVOCs in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-12			COVER-13			COVER-13			COVER-13			COVER-14			COVER-14			COVER-14			COVER-15			COVER-15			COVER-15			COVER-1	
Depth			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN	
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCC	
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016	
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units
Acenaphthene	20	500	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
Acenaphthylene	100	500	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
Acetophenone	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Anthracene	100	500	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
Atrazine	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Benzaldehyde	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Benzo(a)anthracene	1	5.6	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
Benzo(b)fluoranthene	1	5.6	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
Benzo(k)fluoranthene	0.8	56	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
Benzo(g,h,i)perylene	100	500	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
Benzo(a)pyrene	1	1	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
Biphenyl	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Bis(2-chloroethoxy)methane	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Bis(2-chloroethyl)ether	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Bis(2-chloroisopropyl)ether	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
4-Bromophenyl-phenylether	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Caprolactam	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Carbazole	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
4-Chloroaniline	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
2-Chloronaphthalene	NA	NA	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
4-Chlorophenyl-phenylether	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Chrysene	1	56	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
Dibenz(a,h)anthracene	0.33	0.56	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
Dibenzofuran	7	350	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
3,3-Dichlorobenzidine	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
2,4-Dinitrotoluene	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
2,6-Dinitrotoluene	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Fluoranthene	100	500	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
Fluorene	30	500	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
Hexachlorobenzene	0.33	6	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Hexachloro-1,3-butadiene	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Hexachlorocyclopentadiene	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Hexachloroethane	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Indeno(1,2,3-cd)pyrene	0.5	5.6	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
Isophorone	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
2-Methylnaphthalene	NA	NA	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
2-Nitroaniline	12	100	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
3-Nitroaniline	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
4-Nitroaniline	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Nitrobenzene	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
n-Nitrosodiphenylamine	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
n-Nitrosodi-n-propylamine	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Phenanthrene	100	500	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
Benzylbutyl phthalate	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Bis(2-ethylhexyl)phthalate		NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Di-n-butyl phthalate	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Diethyl phthalate	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Dimethyl phthalate	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Di-n-octyl phthalate	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Pyrene	100	500	<0.394	mg/kg		<0.379	mg/kg		<0.395	mg/kg		<0.0361	mg/kg		<0.364	mg/kg		<0.0372	mg/kg		<0.0375	mg/kg		<0.208	mg/kg		<0.191	mg/kg		<0.184	mg/kg		<0.207	mg/kg
1,2,4,5-Tetrachlorobenzene	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
4-Chloro-3-methylphenol	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
2-Chlorophenol	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
2-Methylphenol	0.33	500	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
3&4-Methyl Phenol	NA	NA	<3.98	mg/kg	UJ	<3.82	mg/kg	UJ	<3.99	mg/kg	UJ	<0.364	mg/kg	UJ	<3.67	mg/kg	UJ	<0.376	mg/kg	UJ	<0.378	mg/kg	UJ	<2.1	mg/kg	UJ	<1.93	mg/kg	UJ	<1.85	mg/kg	UJ	<2.09	mg/kg
2,4-Dichlorophenol	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
2,4-Dimethylphenol	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
4,6-Dinitro-2-methylphenol	NA	NA	<3.98	mg/kg	UJ	<3.82	mg/kg	UJ	<3.99	mg/kg	UJ	<0.364	mg/kg	UJ	<3.67	mg/kg	UJ	<0.376	mg/kg	UJ	<0.378	mg/kg	UJ	<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
2,4-Dinitrophenol	NA	NA	<3.98	mg/kg	UJ	<3.82	mg/kg	UJ	<3.99	mg/kg	UJ	<0.364	mg/kg	UJ	<3.67	mg/kg	UJ	<0.376	mg/kg	UJ	<0.378	mg/kg	UJ	<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
2-Nitrophenol	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
4-Nitrophenol	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Pentachlorophenol	0.8	6.7	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
Phenol	0.33	500	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
2,4,5-Trichlorophenol	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg
2,4,6-Trichlorophenol	NA	NA	<3.98	mg/kg		<3.82	mg/kg		<3.99	mg/kg		<0.364	mg/kg		<3.67	mg/kg		<0.376	mg/kg		<0.378	mg/kg		<2.1	mg/kg		<1.93	mg/kg		<1.85	mg/kg		<2.09	mg/kg

All units in mg/Kg.
SVOC analysis performed using USEPA Method 8270.
Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Clean
Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential SCC
Text and values in blue font represent changes from the Data Usability Summary Re
[1]Part 375 Soil Cleanup Objective not listed; NYSDEC CP-51 Soil Cleanup Level val
"J3" indicates the associated batch QC was outside the established quality control r
"J6" The sample matrix interfered with the ability to make any accurate determinatio
"R" indicates data was rejected.
"UJ" and "J" represent a usable estimation of conditions at the time of sampling.
Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results

Former Monoco Oil - #C828137

SVOCs in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	[5]	COVER-16			COVER-16			COVER-17			COVER-17			COVER-17			BLIND DUP 1			BLIND DUP 2			BLIND DUP 3		
Depth				2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			(COVER-1-2-12 IN)			(COVER-4-2-12 IN)			(COVER-2-2-12 IN)		
Area of Concern				MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected				3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier
Acenaphthene	20	500		<0.364	mg/kg		<0.355	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		<4.67	mg/kg		<0.183	mg/kg		<0.0386	mg/kg	
Acenaphthylene	100	500		<0.364	mg/kg		<0.355	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		<4.67	mg/kg		<0.183	mg/kg		<0.0386	mg/kg	
Acetophenone	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Anthracene	100	500		<0.364	mg/kg		<0.355	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		<4.67	mg/kg		<0.183	mg/kg		<0.0386	mg/kg	
Atrazine	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Benzaldehyde	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Benzo(a)anthracene	1	5.6		<0.364	mg/kg		<0.355	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		**7.79**	mg/kg		<0.183	mg/kg		0.0678	mg/kg	
Benzo(b)fluoranthene	1	5.6		<0.364	mg/kg		<0.355	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		**16.4**	mg/kg		<0.183	mg/kg		0.101	mg/kg	
Benzo(k)fluoranthene	0.8	56		<0.364	mg/kg		<0.355	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		4.74	mg/kg		<0.183	mg/kg		<0.0386	mg/kg	
Benzo(g,h,i)perylene	100	500		<0.364	mg/kg		<0.355	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		<4.67	mg/kg		<0.183	mg/kg		<0.0386	mg/kg	
Benzo(a)pyrene	1	1		<0.364	mg/kg		<0.355	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		**8.91**	mg/kg		<0.183	mg/kg		0.0616	mg/kg	
Biphenyl	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Bis(2-chlorethoxy)methane	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Bis(2-chloroethyl)ether	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Bis(2-chloroisopropyl)ether	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
4-Bromophenyl-phenylether	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Caprolactam	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Carbazole	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
4-Chloroaniline	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
2-Chloronaphthalene	NA	NA		<0.364	mg/kg		<0.355	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		<4.67	mg/kg		<0.183	mg/kg		<0.0386	mg/kg	
4-Chlorophenyl-phenylether	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Chrysene	1	56		<0.364	mg/kg		<0.355	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		6.83	mg/kg		<0.183	mg/kg		0.0619	mg/kg	
Dibenz(a,h)anthracene	0.33	0.56		<0.364	mg/kg		<0.355	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		<4.67	mg/kg		<0.183	mg/kg		<0.0386	mg/kg	
Dibenzofuran	7	350		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
3,3-Dichlorobenzidine	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
2,4-Dinitrotoluene	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
2,6-Dinitrotoluene	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Fluoranthene	100	500		<0.364	mg/kg		<0.355	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		9.83	mg/kg		0.187	mg/kg		0.0931	mg/kg	
Fluorene	30	500		<0.364	mg/kg		<0.355	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		<4.67	mg/kg		<0.183	mg/kg		<0.0386	mg/kg	
Hexachlorobenzene	0.33	6		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Hexachloro-1,3-butadiene	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Hexachlorocyclopentadiene	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Hexachloroethane	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Indeno(1,2,3-cd)pyrene	0.5	5.6		<0.364	mg/kg		<0.355	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		<4.67	mg/kg		<0.183	mg/kg		<0.0386	mg/kg	
Isophorone	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
2-Methylnaphthalene	NA	NA		<0.364	mg/kg		<0.355	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		<4.67	mg/kg		<0.183	mg/kg		0.058	mg/kg	
2-Nitroaniline	12	100		<3.67	mg/kg		<3.58	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
3-Nitroaniline	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
4-Nitroaniline	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Nitrobenzene	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
n-Nitrosodiphenylamine	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
n-Nitrosodi-n-propylamine	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Phenanthrene	100	500		<0.364	mg/kg		<0.355	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<4.67	mg/kg		<0.183	mg/kg		0.0502	mg/kg	
Benzylbutyl phthalate	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Bis(2-ethylhexyl)phthalate		NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Di-n-butyl phthalate	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Diethyl phthalate	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Dimethyl phthalate	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Di-n-octyl phthalate	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Pyrene	100	500		<0.364	mg/kg		<0.355	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		10.9	mg/kg		<0.183	mg/kg		0.0919	mg/kg	
1,2,4,5-Tetrachlorobenzene	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<0.385	mg/kg		<0.362	mg/kg		<0.369	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
4-Chloro-3-methylphenol	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
2-Chlorophenol	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
2-Methylphenol	0.33	500		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
3&4-Methyl Phenol	NA	NA	UJ	<3.67	mg/kg	UJ	<3.58	mg/kg	UJ	<3.89	mg/kg	UJ	<3.66	mg/kg	UJ	<3.72	mg/kg	UJ	<47.1	mg/kg	UJ	<1.85	mg/kg	UJ	<0.39	mg/kg	UJ
2,4-Dichlorophenol	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
2,4-Dimethylphenol	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
4,6-Dinitro-2-methylphenol	NA	NA	UJ	<3.67	mg/kg	UJ	<3.58	mg/kg	UJ	<3.89	mg/kg	UJ	<3.66	mg/kg	UJ	<3.72	mg/kg	UJ	<47.1	mg/kg	UJ	<1.85	mg/kg	UJ	<0.39	mg/kg	UJ
2,4-Dinitrophenol	NA	NA	UJ	<3.67	mg/kg	UJ	<3.58	mg/kg	UJ	<3.89	mg/kg	UJ	<3.66	mg/kg	UJ	<3.72	mg/kg	UJ	<47.1	mg/kg	UJ	<1.85	mg/kg	UJ	<0.39	mg/kg	UJ
2-Nitrophenol	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
4-Nitrophenol	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Pentachlorophenol	0.8	6.7		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
Phenol	0.33	500		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
2,4,5-Trichlorophenol	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	
2,4,6-Trichlorophenol	NA	NA		<3.67	mg/kg		<3.58	mg/kg		<3.89	mg/kg		<3.66	mg/kg		<3.72	mg/kg		<47.1	mg/kg		<1.85	mg/kg		<0.39	mg/kg	

All units in mg/Kg.

SVOC analysis performed using USEPA Method 8270.

Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Clean

Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential SCO

Text and values in blue font represent changes from the Data Usability Summary Re

[1]Part 375 Soil Cleanup Objective not listed; NYSDEC CP-51 Soil Cleanup Level val

"J3" indicates the associated batch QC was outside the established quality control r

"J6" The sample matrix interfered with the ability to make any accurate determinatio

"R" indicates data was rejected.

"UJ" and "J" represent a usable estimation of conditions at the time of sampling.

Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results
Former Monoco Oil - #C828137
Metals and Cyanide in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-1			COVER-1			COVER-1			COVER-2			COVER-2			COVER-2			COVER-3			COVER-3		
Depth			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN		
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier
Aluminum	NA	NA	6670	mg/kg		7350	mg/kg	O1|V	18200	mg/kg		7860	mg/kg		6930	mg/kg	V	5220	mg/kg		8730	mg/kg		10800	mg/kg	
Antimony	NA	NA	<2.28	mg/kg	UJ	<2.42	mg/kg	J6|UJ	<2.41	mg/kg	UJ	<2.25	mg/kg	UJ	<2.32	mg/kg	J6|UJ	<2.38	mg/kg	UJ	<2.3	mg/kg	UJ	<2.23	mg/kg	UJ
Arsenic	13	16	**37.9**	mg/kg		**46.7**	mg/kg		**18.1**	mg/kg		**22.5**	mg/kg		**27.8**	mg/kg		10.6	mg/kg		**57.2**	mg/kg		7.07	mg/kg	
Barium	350	400	67.1	mg/kg	J	84.1	mg/kg	J5|J	110	mg/kg	J	96.8	mg/kg	J	40.7	mg/kg	J	23.3	mg/kg	J	53	mg/kg	J	106	mg/kg	J
Beryllium	7.2	72	0.652	mg/kg		0.62	mg/kg		1.76	mg/kg		0.359	mg/kg		0.329	mg/kg		0.255	mg/kg		0.447	mg/kg		0.53	mg/kg	
Cadmium	2.5	4.3	1.22	mg/kg		1.16	mg/kg		<0.603	mg/kg		<0.563	mg/kg		<0.581	mg/kg		<0.594	mg/kg		<0.574	mg/kg		<0.557	mg/kg	
Calcium	NA	NA	45300	mg/kg		26000	mg/kg	V	25900	mg/kg		41500	mg/kg		9960	mg/kg	V	11000	mg/kg		28000	mg/kg		54800	mg/kg	
Chromium	30	180	15.9	mg/kg		19	mg/kg		22.8	mg/kg		9.19	mg/kg		8.37	mg/kg		5.98	mg/kg		10.8	mg/kg		12.8	mg/kg	
Cobalt	NA	NA	6.47	mg/kg		6.79	mg/kg		16.4	mg/kg		6.07	mg/kg		4.71	mg/kg		3.73	mg/kg		7.23	mg/kg		10.7	mg/kg	
Copper	50	270	38.3	mg/kg		56.4	mg/kg		36.2	mg/kg		11.9	mg/kg		14.5	mg/kg		7.02	mg/kg		20	mg/kg		13.1	mg/kg	
Iron	NA	NA	23300	mg/kg		23200	mg/kg	O1|V	28800	mg/kg		13100	mg/kg		12600	mg/kg	V	9510	mg/kg		16200	mg/kg		17600	mg/kg	
Lead	63	400	165	mg/kg		172	mg/kg		24.5	mg/kg		23.3	mg/kg		11.7	mg/kg		4.27	mg/kg		10.3	mg/kg		12	mg/kg	
Magnesium	NA	NA	16700	mg/kg	J	13000	mg/kg	V|J	17600	mg/kg	J	13100	mg/kg	J	4420	mg/kg	J5|J	3750	mg/kg	J	15700	mg/kg	J	27200	mg/kg	J
Manganese	1600	2000	299	mg/kg	J	250	mg/kg	J5|J	360	mg/kg	J	285	mg/kg	J	267	mg/kg	J5|J	250	mg/kg	J	267	mg/kg	J	330	mg/kg	J
Nickel	30	310	19.7	mg/kg		21.9	mg/kg		45.7	mg/kg		11.9	mg/kg		9.46	mg/kg		7.2	mg/kg		14.6	mg/kg		17.8	mg/kg	
Potassium	NA	NA	2070	mg/kg	J	2270	mg/kg	J5|J	6020	mg/kg	J	2320	mg/kg	J	1310	mg/kg	J5|J	813	mg/kg	J	3310	mg/kg	J	4660	mg/kg	J
Selenium	3.9	180	<2.28	mg/kg		<2.42	mg/kg		<2.41	mg/kg		<2.25	mg/kg		<2.32	mg/kg		<2.38	mg/kg		<2.3	mg/kg		<2.23	mg/kg	
Silver	2	180	<1.14	mg/kg		<1.21	mg/kg		<1.21	mg/kg		<1.13	mg/kg		<1.16	mg/kg		<1.19	mg/kg		<1.15	mg/kg		<1.11	mg/kg	
Sodium	NA	NA	136	mg/kg		144	mg/kg		450	mg/kg		177	mg/kg		151	mg/kg		142	mg/kg		182	mg/kg		235	mg/kg	
Thallium	NA	NA	<2.28	mg/kg		<2.42	mg/kg		<2.41	mg/kg		<2.25	mg/kg		<2.32	mg/kg		<2.38	mg/kg		<2.3	mg/kg		<2.23	mg/kg	
Vanadium	NA	NA	30.8	mg/kg		44.8	mg/kg		33	mg/kg		16.6	mg/kg		14.8	mg/kg		13.1	mg/kg		17.4	mg/kg		18.1	mg/kg	
Zinc	109	10,000	137	mg/kg	J	138	mg/kg	J	119	mg/kg	J	38.5	mg/kg	J	44.3	mg/kg	J3|J5|J	21.2	mg/kg	J	34.6	mg/kg	J	34.8	mg/kg	J
Mercury	0.18	0.81	0.0426	mg/kg		0.0352	mg/kg	J6|O1	0.0283	mg/kg		<0.0225	mg/kg		0.0291	mg/kg		<0.0238	mg/kg		0.0482	mg/kg		<0.0223	mg/kg	
Cyanide	27	27	NA			NA			NA			NA			NA			NA			NA			NA		

All units in mg/Kg.
Metals analysis performed using USEPA Method 6010/7470
Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs)
Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential SCOs
Text and values in blue font represent changes from the Data Usability Summary Report
"J3" indicates the associated batch QC was outside the established quality control range for precision.
"J5" indicates the sample matrix interfered with the ability to make any accurate determination; spike value is high.
"J6" The sample matrix interfered with the ability to make any accurate determination; spike value is low.
"O1" The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
"UJ" and "J" represent a usable estimation of conditions at the time of sampling.
"V" The sample concentration is too high to evaluate accurate spike recoveries.
NA indicates not applicable
Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results
Former Monoco Oil - #C828137
Metals and Cyanide in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-3			COVER-4			COVER-4			COVER-4			COVER-5			COVER-5			COVER-5			COVER-6		
Depth			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN		
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier
Aluminum	NA	NA	10500	mg/kg		8220	mg/kg		9730	mg/kg	O1|V	9320	mg/kg		9600	mg/kg		5550	mg/kg		5840	mg/kg		12600	mg/kg	
Antimony	NA	NA	<2.26	mg/kg	UJ	<2.19	mg/kg	UJ	<2.22	mg/kg	J6|UJ	<2.16	mg/kg	UJ	<2.34	mg/kg	UJ	<2.29	mg/kg	UJ	<2.33	mg/kg	UJ	<2.18	mg/kg	UJ
Arsenic	13	16	**18.4**	mg/kg		3.44	mg/kg		6	mg/kg		4.56	mg/kg		2.55	mg/kg		<2.29	mg/kg	UJ	<2.33	mg/kg	UJ	5.46	mg/kg	
Barium	350	400	118	mg/kg	J	79.2	mg/kg	J	53.8	mg/kg	J	55.8	mg/kg	J	36.2	mg/kg	J	18	mg/kg	J	18.1	mg/kg	J	68.8	mg/kg	J
Beryllium	7.2	72	0.504	mg/kg		0.357	mg/kg		0.431	mg/kg		0.406	mg/kg		0.405	mg/kg		0.258	mg/kg		0.264	mg/kg		0.558	mg/kg	
Cadmium	2.5	4.3	<0.565	mg/kg		<0.548	mg/kg		<0.556	mg/kg		<0.541	mg/kg		<0.584	mg/kg		<0.572	mg/kg		<0.583	mg/kg		<0.546	mg/kg	
Calcium	NA	NA	52400	mg/kg		34400	mg/kg		44000	mg/kg	J3|O1|V	44100	mg/kg		2530	mg/kg		2090	mg/kg		1510	mg/kg		41600	mg/kg	
Chromium	30	180	12.7	mg/kg		10.3	mg/kg		11.2	mg/kg		10.8	mg/kg		11.5	mg/kg		7.14	mg/kg		6.58	mg/kg		14.4	mg/kg	
Cobalt	NA	NA	11.2	mg/kg		6.57	mg/kg		6.99	mg/kg		6.52	mg/kg		4.74	mg/kg		3.04	mg/kg		2.99	mg/kg		10.2	mg/kg	
Copper	50	270	17.6	mg/kg		12.4	mg/kg		13.9	mg/kg		14	mg/kg		13.2	mg/kg		7.75	mg/kg		7.45	mg/kg		16.8	mg/kg	
Iron	NA	NA	18800	mg/kg		14500	mg/kg		13700	mg/kg	O1|V	13900	mg/kg		16500	mg/kg		10900	mg/kg		9270	mg/kg		17600	mg/kg	
Lead	63	400	23.1	mg/kg		15.6	mg/kg		26.6	mg/kg		23.7	mg/kg		4.11	mg/kg		2.91	mg/kg		2.45	mg/kg		40.2	mg/kg	
Magnesium	NA	NA	22000	mg/kg	J	15600	mg/kg	J	15000	mg/kg	J3|V|J	12700	mg/kg	J	2310	mg/kg	J	1500	mg/kg	J	1440	mg/kg	J	17500	mg/kg	J
Manganese	1600	2000	368	mg/kg	J	376	mg/kg	J	363	mg/kg	J3|J6|J	355	mg/kg	J	308	mg/kg	J	216	mg/kg	J	207	mg/kg	J	420	mg/kg	J
Nickel	30	310	17.6	mg/kg		12.3	mg/kg		12.9	mg/kg		12.5	mg/kg		12.1	mg/kg		7.35	mg/kg		7.29	mg/kg		16.8	mg/kg	
Potassium	NA	NA	3950	mg/kg	J	2570	mg/kg	J	3470	mg/kg	J5|J	3050	mg/kg	J	1190	mg/kg	J	1040	mg/kg	J	957	mg/kg	J	4890	mg/kg	J
Selenium	3.9	180	<2.26	mg/kg		<2.19	mg/kg		<2.22	mg/kg		<2.16	mg/kg		<2.34	mg/kg		<2.29	mg/kg		<2.33	mg/kg		<2.18	mg/kg	
Silver	2	180	<1.13	mg/kg		<1.1	mg/kg		<1.11	mg/kg		<1.08	mg/kg		<1.17	mg/kg		<1.14	mg/kg		<1.17	mg/kg		<1.09	mg/kg	
Sodium	NA	NA	197	mg/kg		158	mg/kg		166	mg/kg		161	mg/kg		<117	mg/kg		<114	mg/kg		<117	mg/kg		169	mg/kg	
Thallium	NA	NA	<2.26	mg/kg		<2.19	mg/kg		<2.22	mg/kg		<2.16	mg/kg		<2.34	mg/kg		<2.29	mg/kg		<2.33	mg/kg		<2.18	mg/kg	
Vanadium	NA	NA	18.9	mg/kg		16.8	mg/kg		17.4	mg/kg		17.3	mg/kg		21.4	mg/kg		15	mg/kg		11.3	mg/kg		20.6	mg/kg	
Zinc	109	10,000	47.7	mg/kg	J	56	mg/kg	J	60.1	mg/kg	J3|J5|J	75	mg/kg	J	43.8	mg/kg	J	21.7	mg/kg	J	20.8	mg/kg	J	81.7	mg/kg	J
Mercury	0.18	0.81	0.0262	mg/kg		<0.0219	mg/kg		<0.0222	mg/kg		<0.0216	mg/kg		<0.0234	mg/kg		<0.0229	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	
Cyanide	27	27	NA			<1.37	mg/kg		<1.390	mg/kg		<1.350	mg/kg		<0.292	mg/kg		<0.286	mg/kg		<0.291	mg/kg		<1.36	mg/kg	

All units in mg/Kg.
Metals analysis performed using USEPA Method 6010/7470
Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Cl
Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential SC
Text and values in blue font represent changes from the Data Usability Summar
"J3" indicates the associated batch QC was outside the established quality contr
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"O1" The analyte failed the method required serial dilution test and/or subsequer
"UJ" and "J" represent a usable estimation of conditions at the time of sampling.
"V" The sample concentration is too high to evaluate accurate spike recoveries.
NA indicates not applicable
Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results
Former Monoco Oil - #C828137
Metals and Cyanide in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-6			COVER-6			COVER-7			COVER-7			COVER-7			COVER-8			COVER-8			COVER-8		
Depth			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN		
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier
Aluminum	NA	NA	4540	mg/kg		4320	mg/kg		11100	mg/kg		8750	mg/kg		9520	mg/kg		9300	mg/kg		10900	mg/kg		5520	mg/kg	
Antimony	NA	NA	<2.18	mg/kg	UJ	<2.23	mg/kg	UJ	<2.42	mg/kg	UJ	<2.32	mg/kg	UJ	<2.22	mg/kg	UJ	<2.23	mg/kg	UJ	<2.16	mg/kg	UJ	<2.24	mg/kg	UJ
Arsenic	13	16	<2.18	mg/kg	UJ	<2.23	mg/kg	UJ	4.35	mg/kg		4.65	mg/kg		14.8	mg/kg		5.56	mg/kg		6.43	mg/kg		3.33	mg/kg	
Barium	350	400	14.9	mg/kg	J	12.9	mg/kg	J	62.7	mg/kg	J	58	mg/kg	J	74.4	mg/kg	J	54.8	mg/kg	J	79.2	mg/kg	J	75.3	mg/kg	J
Beryllium	7.2	72	<0.218	mg/kg		<0.223	mg/kg		0.46	mg/kg		0.38	mg/kg		0.468	mg/kg		0.429	mg/kg		0.512	mg/kg		0.249	mg/kg	
Cadmium	2.5	4.3	<0.544	mg/kg		<0.557	mg/kg		<0.605	mg/kg		<0.58	mg/kg		<0.556	mg/kg		<0.558	mg/kg		<0.54	mg/kg		<0.561	mg/kg	
Calcium	NA	NA	15500	mg/kg		12100	mg/kg		21900	mg/kg		40600	mg/kg		72000	mg/kg		42200	mg/kg		56900	mg/kg		43600	mg/kg	
Chromium	30	180	6.29	mg/kg		5.97	mg/kg		13	mg/kg		11.1	mg/kg		12.7	mg/kg		11.9	mg/kg		13.3	mg/kg		7.2	mg/kg	
Cobalt	NA	NA	2.58	mg/kg		5.6	mg/kg		7.26	mg/kg		6.64	mg/kg		9.52	mg/kg		7.44	mg/kg		9.85	mg/kg		5.39	mg/kg	
Copper	50	270	6.53	mg/kg		6.95	mg/kg		14.2	mg/kg		13.9	mg/kg		17.7	mg/kg		12.4	mg/kg		15.3	mg/kg		14	mg/kg	
Iron	NA	NA	8310	mg/kg		7970	mg/kg		16700	mg/kg		14700	mg/kg		16000	mg/kg		19500	mg/kg		19700	mg/kg		11500	mg/kg	
Lead	63	400	2.11	mg/kg		2.34	mg/kg		17.2	mg/kg		24.1	mg/kg		81.5	mg/kg		27.7	mg/kg		30.2	mg/kg		7.21	mg/kg	
Magnesium	NA	NA	4390	mg/kg	J	4000	mg/kg	J	9590	mg/kg	J	14300	mg/kg	J	34800	mg/kg	J	16500	mg/kg	J	19300	mg/kg	J	11200	mg/kg	J
Manganese	1600	2000	195	mg/kg	J	234	mg/kg	J	384	mg/kg	J	395	mg/kg	J	364	mg/kg	J	321	mg/kg	J	360	mg/kg	J	462	mg/kg	J
Nickel	30	310	6.55	mg/kg		7.29	mg/kg		14.3	mg/kg		13.9	mg/kg		18.1	mg/kg		15.8	mg/kg		17.8	mg/kg		9.94	mg/kg	
Potassium	NA	NA	1150	mg/kg	J	1020	mg/kg	J	3080	mg/kg	J	2270	mg/kg	J	3840	mg/kg	J	3820	mg/kg	J	4250	mg/kg	J	1500	mg/kg	J
Selenium	3.9	180	<2.18	mg/kg		<2.23	mg/kg		<2.42	mg/kg		<2.32	mg/kg		<2.22	mg/kg		<2.23	mg/kg		<2.16	mg/kg		<2.24	mg/kg	
Silver	2	180	<1.09	mg/kg		<1.11	mg/kg		<1.21	mg/kg		<1.16	mg/kg		<1.11	mg/kg		<1.12	mg/kg		<1.08	mg/kg		<1.12	mg/kg	
Sodium	NA	NA	<109	mg/kg		<111	mg/kg		147	mg/kg		136	mg/kg		180	mg/kg		157	mg/kg		170	mg/kg		162	mg/kg	
Thallium	NA	NA	<2.18	mg/kg		<2.23	mg/kg		<2.42	mg/kg		<2.32	mg/kg		<2.22	mg/kg		<2.23	mg/kg		<2.16	mg/kg		<2.24	mg/kg	
Vanadium	NA	NA	11.4	mg/kg		11.6	mg/kg		22.4	mg/kg		18.8	mg/kg		22.5	mg/kg		18.1	mg/kg		22.9	mg/kg		14.2	mg/kg	
Zinc	109	10,000	20.8	mg/kg	J	23.3	mg/kg	J	56.3	mg/kg	J	55.1	mg/kg	J	63.6	mg/kg	J	39	mg/kg	J	55.4	mg/kg	J	38.5	mg/kg	J
Mercury	0.18	0.81	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg		<0.0232	mg/kg		<0.0222	mg/kg		<0.0223	mg/kg		0.0689	mg/kg		0.533	mg/kg	
Cyanide	27	27	<0.272	mg/kg		<2.790	mg/kg		<0.302	mg/kg		<0.290	mg/kg		<0.278	mg/kg		NA			NA			NA		

All units in mg/Kg.
Metals analysis performed using USEPA Method 6010/7470
Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Cl
Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential SC
Text and values in blue font represent changes from the Data Usability Summar
"J3" indicates the associated batch QC was outside the established quality contr
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"O1" The analyte failed the method required serial dilution test and/or subsequer
"UJ" and "J" represent a usable estimation of conditions at the time of sampling.
"V" The sample concentration is too high to evaluate accurate spike recoveries.
NA indicates not applicable
Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results
Former Monoco Oil - #C828137
Metals and Cyanide in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-9			COVER-9			COVER-9			COVER-10			COVER-10			COVER-10			COVER-11			COVER-11		
Depth			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN		
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier
Aluminum	NA	NA	9000	mg/kg		10700	mg/kg		8490	mg/kg		7010	mg/kg		6980	mg/kg		7530	mg/kg		7250	mg/kg	O1|V	5190	mg/kg	
Antimony	NA	NA	<2.21	mg/kg	UJ	<2.28	mg/kg	UJ	<2.16	mg/kg	UJ	<2.24	mg/kg	UJ	5.97	mg/kg	J	<2.18	mg/kg	UJ	<2.24	mg/kg	J6|UJ	<2.21	mg/kg	UJ
Arsenic	13	16	4.99	mg/kg		10.3	mg/kg		5.16	mg/kg		7.46	mg/kg		5.68	mg/kg		4.19	mg/kg		2.66	mg/kg		<2.21	mg/kg	
Barium	350	400	50.9	mg/kg	J	77.6	mg/kg	J	59	mg/kg	J	49.2	mg/kg	J	43.7	mg/kg	J	47.9	mg/kg	J	31.8	mg/kg	J	13.9	mg/kg	J
Beryllium	7.2	72	0.406	mg/kg		0.594	mg/kg		0.383	mg/kg		0.372	mg/kg		0.335	mg/kg		0.351	mg/kg		0.335	mg/kg		0.249	mg/kg	
Cadmium	2.5	4.3	<0.552	mg/kg		<0.57	mg/kg		<0.54	mg/kg		<0.56	mg/kg		<0.552	mg/kg		<0.545	mg/kg		<0.561	mg/kg		<0.553	mg/kg	
Calcium	NA	NA	62200	mg/kg		51000	mg/kg		34200	mg/kg		35900	mg/kg		35900	mg/kg		46500	mg/kg		12300	mg/kg	V	11400	mg/kg	
Chromium	30	180	10.6	mg/kg		13.4	mg/kg		10.8	mg/kg		9.48	mg/kg		8.87	mg/kg		9.71	mg/kg		9.77	mg/kg		7.35	mg/kg	
Cobalt	NA	NA	7.89	mg/kg		8.86	mg/kg		7.5	mg/kg		6.47	mg/kg		5.7	mg/kg		5.52	mg/kg		4.97	mg/kg		3.86	mg/kg	
Copper	50	270	15.5	mg/kg		21.1	mg/kg		14.5	mg/kg		16	mg/kg		18	mg/kg		14.1	mg/kg		12.5	mg/kg		10.8	mg/kg	
Iron	NA	NA	14700	mg/kg		19600	mg/kg		14700	mg/kg		14500	mg/kg		13100	mg/kg		13000	mg/kg		14900	mg/kg	O1|V	11200	mg/kg	
Lead	63	400	37.5	mg/kg		31.9	mg/kg		28.6	mg/kg		38.3	mg/kg		91.7	mg/kg		22	mg/kg		11.1	mg/kg		3.02	mg/kg	
Magnesium	NA	NA	27900	mg/kg	J	27300	mg/kg	J	13100	mg/kg	J	15000	mg/kg	J	11000	mg/kg	J	18600	mg/kg	J	6760	mg/kg	V|J	6710	mg/kg	J
Manganese	1600	2000	389	mg/kg	J	336	mg/kg	J	361	mg/kg	J	321	mg/kg	J	257	mg/kg	J	354	mg/kg	J	437	mg/kg	J5|J6|J	347	mg/kg	J
Nickel	30	310	13.2	mg/kg		18.2	mg/kg		13.6	mg/kg		12.5	mg/kg		12	mg/kg		11.7	mg/kg		11.5	mg/kg		8.78	mg/kg	
Potassium	NA	NA	2590	mg/kg	J	4510	mg/kg	J	2380	mg/kg	J	1960	mg/kg	J	2050	mg/kg	J	2120	mg/kg	J	1610	mg/kg	J5|J	1020	mg/kg	J
Selenium	3.9	180	<2.21	mg/kg		<2.28	mg/kg		<2.16	mg/kg		<2.24	mg/kg		<2.21	mg/kg		<2.18	mg/kg		<2.24	mg/kg		<2.21	mg/kg	
Silver	2	180	<1.1	mg/kg		<1.14	mg/kg		<1.08	mg/kg		<1.12	mg/kg		<1.1	mg/kg		<1.09	mg/kg		<1.12	mg/kg		<1.11	mg/kg	
Sodium	NA	NA	149	mg/kg		193	mg/kg		138	mg/kg		133	mg/kg		147	mg/kg		146	mg/kg		127	mg/kg		131	mg/kg	
Thallium	NA	NA	<2.21	mg/kg		<2.28	mg/kg		<2.16	mg/kg		<2.24	mg/kg		<2.21	mg/kg		<2.18	mg/kg		<2.24	mg/kg		<2.21	mg/kg	
Vanadium	NA	NA	17.6	mg/kg		19.7	mg/kg		18	mg/kg		17.5	mg/kg		16.5	mg/kg		17.9	mg/kg		16.7	mg/kg	O1	12.6	mg/kg	
Zinc	109	10,000	83.4	mg/kg	J	69	mg/kg	J	69.1	mg/kg	J	56.7	mg/kg	J	49.6	mg/kg	J	57.4	mg/kg	J	60.5	mg/kg	J	47.4	mg/kg	J
Mercury	0.18	0.81	<0.0221	mg/kg		0.265	mg/kg		0.138	mg/kg		0.0347	mg/kg		<0.0221	mg/kg		<0.0218	mg/kg		<0.0224	mg/kg		<0.0221	mg/kg	
Cyanide	27	27	NA			NA			NA			NA			NA			NA			NA			NA		

All units in mg/Kg.
Metals analysis performed using USEPA Method 6010/7470
Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Cl
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NA indicates not applicable
Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results
Former Monoco Oil - #C828137
Metals and Cyanide in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-11			COVER-12			COVER-12			COVER-12			COVER-13			COVER-13			COVER-13			COVER-14		
Depth			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN		
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier
Aluminum	NA	NA	4240	mg/kg		10600	mg/kg		9290	mg/kg		7390	mg/kg		9330	mg/kg		9490	mg/kg		6650	mg/kg		6340	mg/kg	
Antimony	NA	NA	<2.19	mg/kg	UJ	<2.38	mg/kg	UJ	<2.37	mg/kg	UJ	<2.39	mg/kg	UJ	<2.3	mg/kg	UJ	<2.39	mg/kg	UJ	<2.19	mg/kg	UJ	<2.21	mg/kg	UJ
Arsenic	13	16	<2.19	mg/kg		4.18	mg/kg		4.58	mg/kg		3.35	mg/kg		4.66	mg/kg		4.04	mg/kg		7.16	mg/kg		4.98	mg/kg	
Barium	350	400	12.9	mg/kg	J	87	mg/kg	J	59.9	mg/kg	J	43	mg/kg	J	63.3	mg/kg	J	54.9	mg/kg	J	31.8	mg/kg	J	32.7	mg/kg	J
Beryllium	7.2	72	<0.219	mg/kg		0.449	mg/kg		0.345	mg/kg		0.291	mg/kg		0.379	mg/kg		0.415	mg/kg		0.302	mg/kg		0.254	mg/kg	
Cadmium	2.5	4.3	<0.548	mg/kg		<0.595	mg/kg		<0.592	mg/kg		<0.598	mg/kg		<0.574	mg/kg		<0.599	mg/kg		<0.547	mg/kg		<0.552	mg/kg	
Calcium	NA	NA	39000	mg/kg		42400	mg/kg		29000	mg/kg		23000	mg/kg		43900	mg/kg		50500	mg/kg		85200	mg/kg		36100	mg/kg	
Chromium	30	180	6.23	mg/kg		14.3	mg/kg		12.7	mg/kg		10.1	mg/kg		12.1	mg/kg		11.8	mg/kg		7.21	mg/kg		8.84	mg/kg	
Cobalt	NA	NA	2.98	mg/kg		7.44	mg/kg		6.33	mg/kg		5.23	mg/kg		8.51	mg/kg		7.12	mg/kg		5.77	mg/kg		5.03	mg/kg	
Copper	50	270	8.62	mg/kg		14.2	mg/kg		13.4	mg/kg		13	mg/kg		15.2	mg/kg		13.2	mg/kg		33.2	mg/kg		9.61	mg/kg	
Iron	NA	NA	8810	mg/kg		17500	mg/kg		16200	mg/kg		14200	mg/kg		16100	mg/kg		16100	mg/kg		18200	mg/kg		12300	mg/kg	
Lead	63	400	3.98	mg/kg		19.3	mg/kg		18.4	mg/kg		17.8	mg/kg		25.7	mg/kg		18.7	mg/kg		12.2	mg/kg		8.72	mg/kg	
Magnesium	NA	NA	8550	mg/kg	J	18800	mg/kg	J	11900	mg/kg	J	8940	mg/kg	J	18400	mg/kg	J	22900	mg/kg	J	26200	mg/kg	J	15500	mg/kg	J
Manganese	1600	2000	270	mg/kg	J	452	mg/kg	J	331	mg/kg	J	327	mg/kg	J	528	mg/kg	J	425	mg/kg	J	544	mg/kg	J	273	mg/kg	J
Nickel	30	310	6.88	mg/kg		15.2	mg/kg		13.5	mg/kg		11.3	mg/kg		14.2	mg/kg		14.4	mg/kg		11.5	mg/kg		9.23	mg/kg	
Potassium	NA	NA	964	mg/kg	J	2590	mg/kg	J	2160	mg/kg	J	1540	mg/kg	J	2460	mg/kg	J	3110	mg/kg	J	1900	mg/kg	J	1850	mg/kg	J
Selenium	3.9	180	<2.19	mg/kg		<2.38	mg/kg		<2.37	mg/kg		<2.39	mg/kg		<2.3	mg/kg		<2.39	mg/kg		<2.19	mg/kg		<2.21	mg/kg	
Silver	2	180	<1.1	mg/kg		<1.19	mg/kg		<1.18	mg/kg		<1.2	mg/kg		<1.15	mg/kg		<1.2	mg/kg		<1.09	mg/kg		<1.1	mg/kg	
Sodium	NA	NA	126	mg/kg		185	mg/kg		148	mg/kg		139	mg/kg		149	mg/kg		172	mg/kg		141	mg/kg		125	mg/kg	
Thallium	NA	NA	<2.19	mg/kg		<2.38	mg/kg		<2.37	mg/kg		<2.39	mg/kg		<2.3	mg/kg		<2.39	mg/kg		<2.19	mg/kg		<2.21	mg/kg	
Vanadium	NA	NA	10.2	mg/kg		21.8	mg/kg		21	mg/kg		17.4	mg/kg		21	mg/kg		18.3	mg/kg		15	mg/kg		14.6	mg/kg	
Zinc	109	10,000	40.4	mg/kg	J	59.8	mg/kg	J	63.1	mg/kg	J	52.2	mg/kg	J	81.8	mg/kg	J	79.4	mg/kg	J	144	mg/kg	J	35.8	mg/kg	J
Mercury	0.18	0.81	<0.0219	mg/kg		0.0298	mg/kg		<0.0237	mg/kg		<0.0239	mg/kg		<0.023	mg/kg		<0.0239	mg/kg		<0.0219	mg/kg		<0.0221	mg/kg	
Cyanide	27	27	NA			NA			NA			NA			NA			NA			NA			NA		

All units in mg/Kg.
Metals analysis performed using USEPA Method 6010/7470
Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Cl
Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential SC
Text and values in blue font represent changes from the Data Usability Summar
"J3" indicates the associated batch QC was outside the established quality contr
"J5" indicates the sample matrix interfered with the ability to make any accurate
"J6" The sample matrix interfered with the ability to make any accurate determin
"O1" The analyte failed the method required serial dilution test and/or subsequer
"UJ" and "J" represent a usable estimation of conditions at the time of sampling.
"V" The sample concentration is too high to evaluate accurate spike recoveries.
NA indicates not applicable
Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results
Former Monoco Oil - #C828137
Metals and Cyanide in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-14			COVER-14			COVER-15			COVER-15			COVER-15			COVER-16			COVER-16			COVER-16		
Depth			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN		
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier
Aluminum	NA	NA	3600	mg/kg		4920	mg/kg		9980	mg/kg		9790	mg/kg		10100	mg/kg		8740	mg/kg		8350	mg/kg		8550	mg/kg	
Antimony	NA	NA	<2.26	mg/kg	UJ	<2.27	mg/kg	UJ	<2.52	mg/kg	UJ	<2.31	mg/kg	UJ	<2.22	mg/kg	UJ	<2.51	mg/kg	UJ	<2.21	mg/kg	UJ	<2.15	mg/kg	UJ
Arsenic	13	16	<2.26	mg/kg		<2.27	mg/kg		5.46	mg/kg		6.04	mg/kg		4.61	mg/kg		4.26	mg/kg		4.4	mg/kg		6.24	mg/kg	
Barium	350	400	10.8	mg/kg	J	15.1	mg/kg	J	60.2	mg/kg	J	115	mg/kg	J	48.4	mg/kg	J	67.3	mg/kg	J	56.3	mg/kg	J	57.8	mg/kg	J
Beryllium	7.2	72	<0.226	mg/kg		<0.227	mg/kg		0.426	mg/kg		0.417	mg/kg		0.428	mg/kg		0.376	mg/kg		0.354	mg/kg		0.338	mg/kg	
Cadmium	2.5	4.3	<0.564	mg/kg		<0.568	mg/kg		<0.63	mg/kg		<0.579	mg/kg		<0.556	mg/kg		<0.628	mg/kg		<0.552	mg/kg		<0.538	mg/kg	
Calcium	NA	NA	17300	mg/kg		42900	mg/kg		54400	mg/kg		46600	mg/kg		62500	mg/kg		58600	mg/kg		57300	mg/kg		34400	mg/kg	
Chromium	30	180	6.12	mg/kg		7.15	mg/kg		12.8	mg/kg		12	mg/kg		12.9	mg/kg		11.7	mg/kg		11	mg/kg		11.1	mg/kg	
Cobalt	NA	NA	2.57	mg/kg		4.08	mg/kg		7.47	mg/kg		7.83	mg/kg		6.59	mg/kg		6.72	mg/kg		6.59	mg/kg		7.97	mg/kg	
Copper	50	270	6.78	mg/kg		7.99	mg/kg		17.4	mg/kg		17.1	mg/kg		13.5	mg/kg		16.7	mg/kg		13.1	mg/kg		13	mg/kg	
Iron	NA	NA	9210	mg/kg		9800	mg/kg		14700	mg/kg		15400	mg/kg		13700	mg/kg		14500	mg/kg		14600	mg/kg		14400	mg/kg	
Lead	63	400	2.46	mg/kg		3.15	mg/kg		37.3	mg/kg		26.5	mg/kg		27.1	mg/kg		29.1	mg/kg		27.6	mg/kg		39.3	mg/kg	
Magnesium	NA	NA	3980	mg/kg	J	7200	mg/kg	J	15300	mg/kg	J	16700	mg/kg	J	31600	mg/kg	J	13300	mg/kg	J	18300	mg/kg	J	12300	mg/kg	J
Manganese	1600	2000	157	mg/kg	J	429	mg/kg	J	391	mg/kg	J	468	mg/kg	J	388	mg/kg	J	383	mg/kg	J	459	mg/kg	J	329	mg/kg	J
Nickel	30	310	4.93	mg/kg		8.03	mg/kg		15.3	mg/kg		14.3	mg/kg		12.9	mg/kg		13	mg/kg		11.8	mg/kg		12.5	mg/kg	
Potassium	NA	NA	803	mg/kg	J	1080	mg/kg	J	3450	mg/kg	J	3040	mg/kg	J	3510	mg/kg	J	2260	mg/kg	J	2160	mg/kg	J	2180	mg/kg	J
Selenium	3.9	180	<2.26	mg/kg		<2.27	mg/kg		<2.52	mg/kg		<2.31	mg/kg		<2.22	mg/kg		<2.51	mg/kg		<2.21	mg/kg		<2.15	mg/kg	
Silver	2	180	<1.13	mg/kg		<1.14	mg/kg		<1.26	mg/kg		<1.16	mg/kg		<1.11	mg/kg		<1.26	mg/kg		<1.1	mg/kg		<1.08	mg/kg	
Sodium	NA	NA	<113	mg/kg		136	mg/kg		153	mg/kg		144	mg/kg		176	mg/kg		143	mg/kg		142	mg/kg		132	mg/kg	
Thallium	NA	NA	<2.26	mg/kg		<2.27	mg/kg		<2.52	mg/kg		<2.31	mg/kg		<2.22	mg/kg		<2.51	mg/kg		<2.21	mg/kg		<2.15	mg/kg	
Vanadium	NA	NA	12.8	mg/kg		11.6	mg/kg		21.4	mg/kg		18.4	mg/kg		18.4	mg/kg		18.5	mg/kg		18	mg/kg		17.9	mg/kg	
Zinc	109	10,000	23.7	mg/kg	J	32.4	mg/kg	J	74.3	mg/kg	J	76.1	mg/kg	J	64.9	mg/kg	J	79.8	mg/kg	J	76.9	mg/kg	J	75.7	mg/kg	J
Mercury	0.18	0.81	<0.0226	mg/kg		0.0348	mg/kg		<0.0252	mg/kg		<0.0231	mg/kg		<0.0222	mg/kg		<0.0251	mg/kg		<0.0221	mg/kg		0.115	mg/kg	
Cyanide	27	27	NA			NA			<0.315	mg/kg		<2.890	mg/kg		<1.390	mg/kg		NA			NA			NA		

All units in mg/Kg.
Metals analysis performed using USEPA Method 6010/7470
Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Cl
Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential SC
Text and values in blue font represent changes from the Data Usability Summar
"J3" indicates the associated batch QC was outside the established quality contr
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"J6" The sample matrix interfered with the ability to make any accurate determin
"O1" The analyte failed the method required serial dilution test and/or subsequer
"UJ" and "J" represent a usable estimation of conditions at the time of sampling.
"V" The sample concentration is too high to evaluate accurate spike recoveries.
NA indicates not applicable
Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results
Former Monoco Oil - #C828137
Metals and Cyanide in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-17			COVER-17			COVER-17			BLIND DUP 1			BLIND DUP 2			BLIND DUP 3		
Depth			0-2 IN			2-12 IN			12-24 IN			(COVER-1-2-12 IN)			(COVER-4-2-12 IN)			(COVER-2-2-12 IN)		
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier
Aluminum	NA	NA	8810	mg/kg		9130	mg/kg		9650	mg/kg		6790	mg/kg		8690	mg/kg		8450	mg/kg	
Antimony	NA	NA	<2.34	mg/kg	UJ	<2.2	mg/kg	UJ	<2.23	mg/kg	UJ	<2.83	mg/kg	UJ	<2.22	mg/kg	UJ	<2.34	mg/kg	UJ
Arsenic	13	16	3.73	mg/kg		3.63	mg/kg		3.84	mg/kg		**68.2**	mg/kg		4.14	mg/kg		**37.2**	mg/kg	
Barium	350	400	62.9	mg/kg	J	69.5	mg/kg	J	65.3	mg/kg	J	104	mg/kg	J	45.6	mg/kg	J	60.7	mg/kg	J
Beryllium	7.2	72	0.374	mg/kg		0.353	mg/kg		0.404	mg/kg		0.614	mg/kg		0.363	mg/kg		0.573	mg/kg	
Cadmium	2.5	4.3	<0.584	mg/kg		<0.549	mg/kg		<0.558	mg/kg		1.24	mg/kg		<0.554	mg/kg		<0.585	mg/kg	
Calcium	NA	NA	32600	mg/kg		40200	mg/kg		32900	mg/kg		55700	mg/kg		32500	mg/kg		31000	mg/kg	
Chromium	30	180	12	mg/kg		14.3	mg/kg		12.6	mg/kg		17.6	mg/kg		10	mg/kg		11	mg/kg	
Cobalt	NA	NA	6.89	mg/kg		6.67	mg/kg		6.85	mg/kg		8.16	mg/kg		6.39	mg/kg		9.36	mg/kg	
Copper	50	270	12.3	mg/kg		14.1	mg/kg		17.1	mg/kg		48.9	mg/kg		15.1	mg/kg		25.3	mg/kg	
Iron	NA	NA	15900	mg/kg		15600	mg/kg		17900	mg/kg		32500	mg/kg		13700	mg/kg		17700	mg/kg	
Lead	63	400	26.4	mg/kg		36.6	mg/kg		18.7	mg/kg		214	mg/kg		26.5	mg/kg		18.1	mg/kg	
Magnesium	NA	NA	13400	mg/kg	J	13000	mg/kg	J	15100	mg/kg	J	28600	mg/kg	J	12100	mg/kg	J	16600	mg/kg	J
Manganese	1600	2000	387	mg/kg	J	423	mg/kg	J	414	mg/kg	J	354	mg/kg	J	349	mg/kg	J	269	mg/kg	J
Nickel	30	310	13.8	mg/kg		13.3	mg/kg		14.5	mg/kg		24.2	mg/kg		12.3	mg/kg		16.4	mg/kg	
Potassium	NA	NA	2260	mg/kg	J	2190	mg/kg	J	2440	mg/kg	J	2240	mg/kg	J	2570	mg/kg	J	3040	mg/kg	J
Selenium	3.9	180	<2.34	mg/kg		<2.2	mg/kg		<2.23	mg/kg		<2.83	mg/kg		<2.22	mg/kg		<2.34	mg/kg	
Silver	2	180	<1.17	mg/kg		<1.1	mg/kg		<1.12	mg/kg		<1.41	mg/kg		<1.11	mg/kg		<1.17	mg/kg	
Sodium	NA	NA	151	mg/kg		143	mg/kg		143	mg/kg		171	mg/kg		147	mg/kg		193	mg/kg	
Thallium	NA	NA	<2.34	mg/kg		<2.2	mg/kg		<2.23	mg/kg		<2.83	mg/kg		<2.22	mg/kg		<2.34	mg/kg	
Vanadium	NA	NA	21.2	mg/kg		20.4	mg/kg		21.2	mg/kg		41.5	mg/kg		17.2	mg/kg		18.3	mg/kg	
Zinc	109	10,000	60.2	mg/kg	J	57.7	mg/kg	J	60.7	mg/kg	J	137	mg/kg	J	61.6	mg/kg	J	39.8	mg/kg	J
Mercury	0.18	0.81	<0.0234	mg/kg		<0.022	mg/kg		<0.0223	mg/kg		0.0616	mg/kg		0.024	mg/kg		0.0896	mg/kg	
Cyanide	27	27	NA			NA			NA			NA			<1.390	mg/kg		NA		

All units in mg/Kg.
Metals analysis performed using USEPA Method 6010/7470
Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Cl
Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential SC
Text and values in blue font represent changes from the Data Usability Summar
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"O1" The analyte failed the method required serial dilution test and/or subsequer
"UJ" and "J" represent a usable estimation of conditions at the time of sampling.
"V" The sample concentration is too high to evaluate accurate spike recoveries.
NA indicates not applicable
Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results
Former Monoco Oil - #C828137
PCBs in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-4			COVER-4			COVER-4			COVER-5			COVER-5			COVER-5			COVER-6			COVER-6		
Depth			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN		
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier
PCB 1016	NA	NA	<0.0186	mg/kg	J4	<0.0189	mg/kg	UJ	<0.0184	mg/kg	J4	<0.0199	mg/kg	J4	<0.0194	mg/kg	J4	<0.0198	mg/kg	J4	<0.0186	mg/kg	J4|UJ	<0.0185	mg/kg	J4
PCB 1221	NA	NA	<0.0186	mg/kg		<0.0189	mg/kg	UJ	<0.0184	mg/kg		<0.0199	mg/kg		<0.0194	mg/kg		<0.0198	mg/kg		<0.0186	mg/kg	UJ	<0.0185	mg/kg	
PCB 1232	NA	NA	<0.0186	mg/kg		<0.0189	mg/kg	UJ	<0.0184	mg/kg		<0.0199	mg/kg		<0.0194	mg/kg		<0.0198	mg/kg		<0.0186	mg/kg	UJ	<0.0185	mg/kg	
PCB 1242	NA	NA	<0.0186	mg/kg		<0.0189	mg/kg	UJ	<0.0184	mg/kg		<0.0199	mg/kg		<0.0194	mg/kg		<0.0198	mg/kg		<0.0186	mg/kg	UJ	<0.0185	mg/kg	
PCB 1248	NA	NA	<0.0186	mg/kg		<0.0189	mg/kg	UJ	<0.0184	mg/kg		<0.0199	mg/kg		<0.0194	mg/kg		<0.0198	mg/kg		<0.0186	mg/kg	UJ	<0.0185	mg/kg	
PCB 1254	NA	NA	<0.0186	mg/kg		<0.0189	mg/kg	UJ	<0.0184	mg/kg		<0.0199	mg/kg		<0.0194	mg/kg		<0.0198	mg/kg		<0.0186	mg/kg	UJ	<0.0185	mg/kg	
PCB 1260	NA	NA	<0.0186	mg/kg	J4	<0.0189	mg/kg	UJ	<0.0184	mg/kg	J4	<0.0199	mg/kg	J4	<0.0194	mg/kg	J4	<0.0198	mg/kg	J4	<0.0186	mg/kg	J4|UJ	<0.0185	mg/kg	J4
Total PCBs	0.1	1	ND	mg/kg		ND	mg/kg		ND	mg/kg		ND	mg/kg		ND	mg/kg		ND	mg/kg		ND	mg/kg		ND	mg/kg	

All units in mg/Kg.
PCB analysis performed using USEPA Method 8082.
Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs)
Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential SCOs
Text and values in blue font represent changes from the Data Usability Summary Report
"J4" indicates the associated batch QC was outside the established quality control rangefor accuracy.
"UJ" represents a usable estimation of conditions at the time of sampling.
Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results
Former Monoco Oil - #C828137
PCBs in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-6			COVER-7			COVER-7			COVER-7			COVER-15			COVER-15			COVER-15			BLIND DUP 2		
Depth			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			(COVER-4-2-12 IN)		
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier
PCB 1016	NA	NA	<0.0189	mg/kg	J4	<0.0206	mg/kg	J4|UJ	<0.0197	mg/kg	J4|UJ	<0.0189	mg/kg	J4	<0.0214	mg/kg	J4|UJ	<0.0197	mg/kg	J4|UJ	<0.0189	mg/kg	J4	<0.0188	mg/kg	J4
PCB 1221	NA	NA	<0.0189	mg/kg		<0.0206	mg/kg	UJ	<0.0197	mg/kg	UJ	<0.0189	mg/kg		<0.0214	mg/kg	UJ	<0.0197	mg/kg	UJ	<0.0189	mg/kg		<0.0188	mg/kg	
PCB 1232	NA	NA	<0.0189	mg/kg		<0.0206	mg/kg	UJ	<0.0197	mg/kg	UJ	<0.0189	mg/kg		<0.0214	mg/kg	UJ	<0.0197	mg/kg	UJ	<0.0189	mg/kg		<0.0188	mg/kg	
PCB 1242	NA	NA	<0.0189	mg/kg		<0.0206	mg/kg	UJ	<0.0197	mg/kg	UJ	<0.0189	mg/kg		<0.0214	mg/kg	UJ	<0.0197	mg/kg	UJ	<0.0189	mg/kg		<0.0188	mg/kg	
PCB 1248	NA	NA	<0.0189	mg/kg		<0.0206	mg/kg	UJ	<0.0197	mg/kg	UJ	<0.0189	mg/kg		<0.0214	mg/kg	UJ	<0.0197	mg/kg	UJ	<0.0189	mg/kg		<0.0188	mg/kg	
PCB 1254	NA	NA	<0.0189	mg/kg		<0.0206	mg/kg	UJ	<0.0197	mg/kg	UJ	<0.0189	mg/kg		<0.0214	mg/kg	UJ	<0.0197	mg/kg	UJ	<0.0189	mg/kg		<0.0188	mg/kg	
PCB 1260	NA	NA	<0.0189	mg/kg	J4	<0.0206	mg/kg	J4|UJ	<0.0197	mg/kg	J4|UJ	<0.0189	mg/kg	J4	<0.0214	mg/kg	J4|UJ	<0.0197	mg/kg	J4|UJ	<0.0189	mg/kg	J4	<0.0188	mg/kg	J4
Total PCBs	0.1	1	ND	mg/kg		ND	mg/kg		ND	mg/kg		ND	mg/kg		ND	mg/kg		ND	mg/kg		ND	mg/kg		ND	mg/kg	

All units in mg/Kg.
PCB analysis performed using USEPA Method 8082.
Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Clea
Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential SC
Text and values in blue font represent changes from the Data Usability Summary F
"J4" indicates the associated batch QC was outside the established quality control
"UJ" represents a usable estimation of conditions at the time of sampling.
Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results
Former Monoco Oil - #C828137
Pesticides in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-4			COVER-4			COVER-4			COVER-5			COVER-5			COVER-5			COVER-6		
Depth			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN		
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units		Result	Units	Qualifier	Result	Units	Qualifier
Aldrin	0.005	0.019	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Alpha BHC	0.02	0.097	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Beta BHC	0.036	0.072	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Delta BHC	0.04	100	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Gamma BHC	0.1	0.28	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Chlordane	0.094	0.91	<0219	mg/kg		<0.222	mg/kg	UJ	<0.216	mg/kg		<0.234	mg/kg		<0.234	mg/kg		<0.233	mg/kg		<0.218	mg/kg	UJ
4,4-DDD	0.0033	2.6	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
4,4-DDE	0.0033	1.8	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
4,4-DDT	0.003	1.7	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Dieldrin	0.005	0.039	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Endosulfan I	2.4	4.8	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Endosulfan II	2.4	4.8	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Endosulfan Sulfate	2.4	4.8	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Endrin	0.014	2.2	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Endrin Aldehyde	NA	NA	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Endrin ketone	NA	NA	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Heptachlor	0.042	0.42	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Heptachlor epoxide	NA	NA	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Hexachlorobenzene	0.33	1.2	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Methoxychlor	NA	NA	<0.0219	mg/kg		<0.0222	mg/kg	J3[UJ]	<0.0216	mg/kg		<0.0234	mg/kg		<0.0234	mg/kg		<0.0233	mg/kg		<0.0218	mg/kg	UJ
Toxaphene	NA	NA	<0.439	mg/kg		<0.444	mg/kg	UJ	<0.433	mg/kg		<0.467	mg/kg		<0.0234	mg/kg		<0.466	mg/kg		<0.437	mg/kg	UJ

All units in mg/Kg.
Pesticide analysis performed using USEPA Method 8081.
Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs)
Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential SCOs
Text and values in blue font represent changes from the Data Usability Summary Report
"J3" indicates the associated batch QC was outside the established quality control range for precision.
"UJ" represents a usable estimation of conditions at the time of sampling.
Blue font indicates a change made in the DUSR

Table 1 - Supplemental RI Soil Sample Results
Former Monoco Oil - #C828137
Pesticides in Soil

Client Sample ID	NYCRR Part 375-6.8(a) Unrestricted Use SCOs (mg/kg)	NYCRR Part 375-6.8(b) Restricted Residential SCOs (mg/kg)	COVER-6			COVER-6			COVER-7			COVER-7			COVER-7			COVER-15			COVER-15			COVER-15			BLIND DUP 2		
Depth			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			0-2 IN			2-12 IN			12-24 IN			(COVER-4-2-12 IN)		
Area of Concern			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO			MONOCO		
Date Collected			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016			3/1/2016		
Analyte			Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier	Result	Units	Qualifier
Aldrin	0.005	0.019	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Alpha BHC	0.02	0.097	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Beta BHC	0.036	0.072	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Delta BHC	0.04	100	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Gamma BHC	0.1	0.28	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Chlordane	0.094	0.91	<0.218	mg/kg		<0.223	mg/kg		<0.242	mg/kg	UJ	<0.232	mg/kg	UJ	<0.222	mg/kg		<0.252	mg/kg	UJ	<0.231	mg/kg	UJ	<0.222	mg/kg		<0.222	mg/kg	
4,4-DDD	0.0033	2.6	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
4,4-DDE	0.0033	1.8	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
4,4-DDT	0.003	1.7	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Dieldrin	0.005	0.039	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Endosulfan I	2.4	4.8	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Endosulfan II	2.4	4.8	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Endosulfan Sulfate	2.4	4.8	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Endrin	0.014	2.2	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Endrin Aldehyde	NA	NA	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Endrin ketone	NA	NA	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Heptachlor	0.042	0.42	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Heptachlor epoxide	NA	NA	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Hexachlorobenzene	0.33	1.2	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Methoxychlor	NA	NA	<0.0218	mg/kg		<0.0223	mg/kg		<0.0242	mg/kg	UJ	<0.0232	mg/kg	UJ	<0.0222	mg/kg		<0.0252	mg/kg	UJ	<0.0231	mg/kg	UJ	<0.0222	mg/kg		<0.0222	mg/kg	
Toxaphene	NA	NA	<0.436	mg/kg		<0.446	mg/kg		<0.484	mg/kg	UJ	<0.464	mg/kg	UJ	<0.445	mg/kg		<0.504	mg/kg	UJ	<0.463	mg/kg	UJ	<0.445	mg/kg		<0.443	mg/kg	

All units in mg/Kg.
Pesticide analysis performed using USEPA Method 8081.
Highlighted values are above NYSDEC Part 375 6.8(a) Unrestricted Use Soil Cl
Bolded values are above NYSDEC Part 375 6.8(b) Restricted Residential S
Text and values in blue font represent changes from the Data Usability Summar
"J3" indicates the associated batch QC was outside the established quality cont
"UJ" represents a usable estimation of conditions at the time of sampling.
Blue font indicates a change made in the DUSR

Table 2

Remedial Action Work Plan
75 Monroe Avenue, Pittsford, New York
NYSDEC Brownfield Cleanup Program ID No. C828137

Summary of Detected TAL Metals in Groundwater (Initial RI)
Test Results in Micrograms per Liter (µg/L) or Parts Per Billion (PPB)

Constituent	Groundwater Sample ID																						NYSDEC Part 703: Groundwater Standard
	RIW-1		RIW-2		RIW-3		RIW-4		RIW-5		RIW-6		RIW-7		TP-9-SB-2/MW-2		GQ-102		MW-8 *	MW-7	TP-2-SB-6/MW-2		
	10/28/2008	2/11/2009	10/27/2008	2/2/2009	10/27/2008	2/2/2009	10/28/2008	2/2/2009	10/27/2008	2/2/2009	10/27/2008	2/2/2009	10/28/2008	2/2/2009	10/28/2008	2/2/2009	10/28/2008	2/2/2009	10/28/2008	2/2/2009	11/14/2008	2/2/2009	
Total Aluminum	8,760	280,000 B	6,780	NS	67,200	NS	33,600	NR	86,700	19,600 B	81,300	43,300 B	162,000	NR	77,000 J	2,224 B	72,700	NS	109,000	2,810 J, B	46,900	33,400 B	NA
Total Arsenic	2.04 J	**138**	3.67 J	NS	1.14 J	NS	4.28 J	NR	2.32 J	2.7 I	4.12 J	6.0	ND<1.00 U	NR	1.9 J	6.30	ND<1.00 U	NS	3.71 J	1.60	2.63 J	2.4	25
Total Barium	**1,170**	**2,580**	481	NS	297	NS	271	NR	**1,360**	405	**1,880**	**1,390**	707	NR	496 J	108	320	NS	**1,530**	208	608	554	1,000
Total Beryllium	ND<2.0 U	11.4	ND<2.0	NS	2.5	NS	ND<2.0 U	NR	3.0	0.9 J	3.1	2.3	5.6	NR	2.4 J	ND<2.0 U	3.0	NS	3.6	ND<0.3 U	2.2	1.8 J	Not Available
Total Cadmium	ND<1.0 U	**6.8**	1.4	NS	1.8	NS	1.2	NR	2.3	ND<1.0 U	2.6	ND<0.3 U	3.4	NR	1.9 J	ND<1.0 U	1.2	NS	2.4	3.1	ND<1.0 U	ND<0.3 U	5
Total Calcium	391,000	582,000	253,000	NS	486,000	NS	320,000	NR	335,000	155,000 B	400,000	262,000 B	178,000	NR	172,000 J	172,000 B	355,000	NS	370,000	106,000 B	292,000	297,000 B	Not Available
Total Chromium	8.7	**314**	9.0	NS	**98.6**	NS	**63**	NR	**147**	29.2	**160**	**74.6**	**193**	NR	**98.7 J**	2.32 J	**140**	NS	**127**	3.3 J	**58**	39.5	50
Total Cobalt	16.4	158	47.8	NS	57.6	NS	28.6	NR	59.7	11.6	87.3	45.6	93.2	NR	77.7 J	1.80 J	55.2	NS	62.3	1.20 J	25.8	16.6	Not Available
Total Copper	ND<10.0 U	**415**	14.9	NS	117	NS	103	NR	151	24.8	**205**	89.9	188	NR	131 J	ND<10.0	140	NS	188	5.30 J	42.4	21.4	200
Total Iron	**15,100**	**417,000**	**81,500**	NS	**118,000**	NS	**66,500**	NR	**136,000**	**24,900**	**152,000**	**73,300**	**229,000**	NR	**109,000 J**	**13,200**	**134,000**	NS	**150,000**	NA	**64,900**	**51,500**	300
Total Lead	12.5	**915 B**	6.41	NS	**39.9**	NS	**36.6**	NR	**89.5**	16.2	**60.7**	**28.1**	**60.1 J**	NR	**61.8 J**	3.60	**31.7**	NS	**86.8**	3.9	**38.1**	21.2	25
Total Magnesium	**77,300**	**318,000**	**64,200**	NS	**73,200**	NS	**77,100**	NR	**119,000**	**53,300**	**96,200**	**73,000**	**82,800**	NR	**100,000 J**	**38,600**	**89,700**	NS	**146,000**	**20,000**	**111,000**	**116,000**	35,000
Total Manganese	**5,160**	**11,400**	**19,800**	NS	**9,710**	NS	**4,940**	NR	**4,660**	**1,080**	**4,880**	**3,100**	**6,990**	NR	**2,970 J**	**2,450**	**3,260**	NS	**1,760**	**284**	**1,340**	**1,000**	300
Total Mercury	6.3	**1.2**	**0.735**	NS	ND<0.200 U	NS	ND<0.200 U	NR	ND<0.200	ND<0.2 U	ND<0.200	ND<0.1 U	0.240	NR	0.348 J	ND<0.2	ND<0.200 U	NS	0.655	ND<0.2 U	ND<0.200 U	ND<0.1 U	0.7
Total Nickel	23.1	**329**	47.2	NS	**108**	NS	63	NR	**135**	31.6	**142**	67.3	**203**	NR	**146.0 J**	3.30 J	**111**	NS	**129**	2.50 J	57.3	38.7	100
Total Potassium	18,100	47,400	8,060	NS	16,600	NS	9,460	NR	20,100	8,090	16,900	12,300	25,900	NR	24,200 J	1,390	15,800	NS	36,500	4,390	26,000	22,500	Not Available
Total Sodium	**46,700**	**43,500**	16,400	NS	13,900	NS	**32,500**	NR	9,020	9,900	8,720	8,500	**30,500**	NR	**132,000 J**	**4,680**	11,800	NS	**20,400**	**6,200**	**71,700**	**86,400**	20,000
Total Vanadium	13.4	473	11.8	NS	136	NS	73.7	NR	168	39.5	202	112	285	NR	126 J	5.10 J	147	NS	186.0	NA	78.9	67.2	Not Available
Total Zinc	79.1	**2,800**	73.4	NS	279	NS	308	NR	531	96.0	395	223	557	NR	305 J	11.4	318	NS	422	32.6	169	109	2,000

Notes:

TAL Metals Analysis bu USEPA Methods 6010 & 7471 TAL.
Bold and Highlighted Type denotes that the detected value exceeds its associated NYSDEC Part 703 Groundwater Standard
NA - Denotes compound not analyzed for.
NR - Denotes that this analysis was not performed due to a lack of groundwater recharge within the well.
NS - Denotes that the well was not sampled due to the well being "dry".
ND<10.0 U - Denotes that the compound was not detected above the laboratory method detection limit.
I - Denotes internal standard recovery was oitside of method limits. Matrix interference was confirmed by reanalysis.
B - Denotes analyte was detected in the associated Method Blank.
J - Denotes analyte dtected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.
* - Denotes that monitoring well MW-8 was mistakenly sampled for MW-7 during the first round of groundwater sampling.
Grey shading indicates the sample has been removed during Interim Remedial Measures
"TP-2-SB-6/MW-2" is labeled "MW-1" in the laboratory report for February 2009
"TP-9-SB-2/MW-2" is labeled "MW-2" in the laboratory report for February 2009
Blue type denotes sample concentrations as adjusted according to the results of the assoicated DUSR

Table 3

Post IRM Groundwater Sample Results

Metals in Groundwater

Former Monoco Oil

75 Monroe Avenue, Pittsford, New York

NYSDEC BCP Site #C828137

Sample ID:	Units	NYSDEC Division of Water TOGS 1.1.1 Groundwater Standard	IRM-MW-1			IRM-MW-2			IRM-MW-3			IRM-MW-4			IRM-MW-5			IRM-MW-6			IRM-MW-7		
Date Sampled:			6/19/2014	10/18/2014	2/22/2015	6/19/2014	10/18/2014	2/22/2015	6/19/2014	10/18/2014	2/22/2015	6/19/2014	10/18/2014	2/22/2015	6/19/2014	10/18/2014	2/22/2015	6/19/2014	10/18/2014	2/22/2015	6/19/2014	10/18/2014	2/22/2015
Total Analyte List Metals and Cyanide																							
Antimony	ug/L	3	ND<2.4	ND<1.0	ND<9.3	ND<2.4	ND<1.0	ND<9.3	ND<2.4	ND<1.0	Not Sampled	ND<2.4	ND<1.0	ND<9.3	ND<4.8	ND<1.0	ND<9.3	ND<2.4	ND<1.0	ND<9.3	ND<2.4	ND<1.0	ND<9.3
Arsenic	ug/L	25	5.2	10.0	ND<4.3	7.6	3.3	14.5 B	4.1	12.0	Not Sampled	5.2	5.4	ND<4.9	ND<4.8	2.4	ND<4.3	ND<2.4	ND<1.0	11.0 B	ND<2.4	N1.2	ND<4.3
Barium	ug/L	1,000	161	160	48.0 B	192	100	161 B	127	150	Not Sampled	292	320	45.5 B	198	190	68.5 B	116	150	153 B	286	290	130 B
Beryllium	ug/L	3	161	ND<2.0	ND<0.26	192	ND<2.0	ND<0.26	ND<2.4	150	Not Sampled	292	320	ND<0.26	198	ND<2.0	ND<0.26	116	150	ND<0.26	286	290	ND<0.26
Cadmium	ug/L	5	ND<0.24	1.1	ND<0.89	0.30 B	4.1	ND<0.89	ND<0.24	ND<5.0	Not Sampled	ND<0.24	0	ND<0.89	ND<0.48	0	ND<0.89	ND<0.24	0	ND<0.89	ND<0.24	ND<5.0	ND<0.89
Calcium	ug/L	NR	145000	140000	35700	202000	38000	292000	315000	300000	Not Sampled	165000	180000	34300	105000	130000	50700	85700	88000	283000	93600	93000	83000
Chromium	ug/L	50	ND<0.73	ND<10	3.5 B	26.3	ND<10	ND<0.64	ND<0.73	ND<10	Not Sampled	ND<0.73	ND<10	2.9 B	4.2 B	ND<10	5.5 B	1.2 B	ND<10	ND<0.64	1.5 B	ND<10	0.90 B
Cobalt	ug/L	NR	3.1 B	ND<10	3.6 B	16.9 B	ND<10	2.3 B	1.2 B	ND<10	Not Sampled	0.60 B	ND<10	3.8 B	ND<1.8	ND<10	5.6 B	ND<0.60	ND<10	1.4 B	ND<0.60	ND<10	ND<0.67
Copper	ug/L	200	ND<3.6	ND<20	4.4 B	21.1 B	ND<20	ND<3.6	ND<3.6	ND<20	Not Sampled	ND<3.6	ND<20	4.4 B	ND<7.2	ND<20	6.5 B	ND<3.6	ND<20	ND<3.6	ND<3.6	ND<20	ND<3.6
Iron	ug/L	300	4930	5800	3890	25000	3100	25100	24900	24000	Not Sampled	9040	10000	3630	3540	1500	6060	446	360	24300	372	480	146 B
Lead	ug/L	25	ND<1.9	1.1	6.2 B	32.2	11	4.2	ND<3.9	ND<1.0	Not Sampled	6.4	10	5.0 B	ND<5.8	ND<1.0	8.0 B	ND<1.9	ND<1.0	ND<4.2	ND<1.9	ND<1.0	ND<4.2
Magnesium	ug/L	35000	38400	37000	32700	137000	31000	109000	134000	120000	Not Sampled	63700	67000	31400	22100	25000	45800	32100	32000	106000	40300	39000	28500
Manganese	ug/L	300	1630	1600	105	668	120	855	922	770	Not Sampled	644	570	99.1	724	650	155	65.3	58	830	159	150	11.6 B
Mercury	ug/L	0.7	ND<0.10	ND<0.2	ND<0.028	ND<0.10	ND<0.2	0.031 B	ND<0.10	ND<0.2	Not Sampled	ND<0.10	ND<0.2	ND<0.028	ND<0.10	ND<0.2	ND<0.028	ND<0.10	ND<0.2	ND<0.028	ND<0.10	ND<0.2	ND<0.028
Nickel	ug/L	100	2.6 B	ND<20	22.9 B	62.1	48	14.3 B	11.6 B	ND<20	Not Sampled	2.1 B	ND<20	22.1 B	26.0 B	ND<20	32.2 B	1.1 B	ND<20	13.0 B	6.1 B	ND<20	ND<0.85
Potassium	ug/L	NR	3300 B	3000	30000	71000	40000	4850	4110 B	3400	Not Sampled	3870 B	4000	29400	3410 B	2200	41500	1890 B	1600	4780	1930 B	1700	2440
Selenium	ug/L	10	ND<2.7	ND<1.0	ND<12.0	4.5 B	1.4	ND<12.0	2.9 B	ND<1.0	Not Sampled	ND<2.7	ND<1.0	ND<12.0	ND<5.4	1.2	ND<12.0	ND<2.7	1	ND<12.0	ND<2.7	ND<1.0	ND<12.0
Silver	ug/L	50	ND<0.96	ND<10	ND<6.9	ND<0.96	ND<10	ND<6.9	ND<0.96	ND<10	Not Sampled	ND<0.96	ND<10	ND<6.9	ND<1.9	ND<10	ND<6.9	ND<0.96	ND<10	ND<6.9	ND<0.96	ND<10	ND<6.9
Sodium	ug/L	20000	126000	98000	25400 J	62800	43000	103000 J	105000	100000	Not Sampled	73100	79000	25700 J	4410000	35000	34700 J	11400	12000	98200 J	17900	17000	12900 J
Thallium	ug/L	0.5	ND<1.5	ND<1.0	ND<6.2	ND<1.5	ND<1.0	ND<6.2	ND<1.5	ND<1.0	Not Sampled	ND<1.5	ND<1.0	ND<6.2	ND<4.6	ND<1.0	ND<6.2	ND<1.5	ND<1.0	ND<6.2	ND<1.5	ND<1.0	ND<6.2
Vanadium	ug/L	NR	ND<0.72	ND<20	4.9 B	34.7	ND<20	ND<1.1	1.0 B	ND<20	Not Sampled	0.80 B	ND<20	4.9 B	3.8 B	ND<20	7.2 B	1.2 B	ND<20	ND<1.1	ND<0.72	ND<20	ND<1.1
Zinc	ug/L	5000	8.1 B	ND<50	24.2 B	121	71	ND<4.9	5.1 B	ND<50	Not Sampled	17.5 B	ND<50	22.3B	30.1 B	ND<50	36.1 B	ND<4.2	ND<50	ND<4.9	ND<4.2	ND<50	ND<4.9
Cyanide	µg/L	200	ND<10.0	NA	ND<5.0	ND<10.0	NA	ND<5.0	ND<10.0	NA	Not Sampled	ND<10.0	NA	ND<5.0	ND<10.0	NA	ND<5.0	ND<10.0	NA	ND<5.0	ND<10.0	NA	ND<5.0

LABELLA Associates, D.P.C. | Engineering Architecture Environmental Planning

APPENDIX 1

Health and Safety Plan

LABELLA Associates, D.P.C.
Engineering
Architecture
Environmental
Planning

Site Health and Safety Plan

Location:

Former Monoco Oil, Inc., Site C828137
75 Monroe Avenue
Pittsford, New York 14534

Prepared For:

Pittsford Canalside Properties, LLC
c/o Mark IV Enterprises
301 Exchange Boulevard
Rochester, New York 14608

Revised August 2015

Site Health and Safety Plan

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Rochester, New York 14608

Revised August 2015

LaBella Associates, D.P.C.
300 State Street
Rochester, New York 14614

Table of Contents

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SITE HEALTH AND SAFETY PLAN

Project Title:	Monoco Oil Brownfield Cleanup Program
Project Number:	213647
Project Location (Site):	75 Monroe Avenue, Pittsford, New York 14534
Environmental Director:	Gregory Senecal, CHMM
Project Manager:	Daniel Noll, PE
Plan Review Date:	March 18, 2010
Plan Approval Date:	March 18, 2010
Plan Revision Date:	August 5, 2015
Plan Approved By:	Mr. Richard Rote, CIH
Site Safety Officer:	TBD
Site Contact:	TBD
Safety Director:	Richard Rote, CIH
Proposed Date(s) of Field Activities:	Fall 2015
Site Conditions:	Slightly sloping, encompassing approximately 7.5 acres
Site Environmental Information Provided By:	Prior Environmental Reports by TriTech Environmental Health and Safety, dated August 9, 2006 LaBella Remedial Investigation and Interim Remedial Measures 2009 - 2015
Air Monitoring Provided By:	LaBella Associates, D.P.C.
Site Control Provided By:	Mark IV Construction

EMERGENCY CONTACTS

	Name	Phone Number
Ambulance:	As Per Emergency Service	911
Hospital Emergency:	Strong Memorial Hospital	585-275-2100
Poison Control Center:	Finger Lakes Poison Control	585-275-3232
Police (local, state):	Monroe County Sheriff	911
Fire Department:	Pittsford Fire Department	911
Site Contact:	Mr. Bryan Powers, P.E.	Direct: 585-232-1760 Cell: 585-766-1614
Agency Contact:	NYSDEC – Charlotte Theobald NYSDOH – Mark Sergott Finger Lakes Poison Control MCDOH – John Frazer	585-226-5354 518-402-7860 1-800-222-1222 585-753-5476
Environmental Director:	Greg Senecal, CHMM	Direct: 585-295-6243 Cell: 585-752-6480
Project Manager:	Daniel Noll, PE	Direct: 585-295-6243 Cell: 585-752-6480
Site Safety Supervisor:	TBD	Direct: 585-454-6110
Safety Director	Rick Rote, CIH	Direct: 585-295-6241 Cell: 585-414-8891

MAP AND DIRECTIONS TO THE MEDICAL FACILITY - STRONG MEMORIAL HOSPITAL

Total Est. Time: 14 minutes **Total Est. Distance:** 7.87 miles

1:	Start out going NORTHWEST on MONROE AVE / NY-31 toward BRITTANY LN.	2.4 miles
2:	Merge onto I-590 S.	3.3 miles
3:	I-590 S becomes I-390 N.	0.2 miles
4:	Take the E HENRIETTA RD / RT-15A exit- EXIT 16- toward RT-15 / W HENRIETTA RD.	0.2 miles
5:	Turn RIGHT onto NY-15A / E HENRIETTA RD.	0.9 miles
6:	Turn SLIGHT RIGHT onto MT HOPE AVE / NY-15.	0.2 miles
7:	Turn LEFT onto ELMWOOD AVE.	0.3 miles
8:	Make a U-TURN onto ELMWOOD AVE.	<0.1 miles
9:	End at **601 Elmwood Ave** Rochester, NY 14642-0001, US	

1.0 Introduction

The purpose of this Health and Safety Plan (HASP) it to provide guidelines for responding to potential health and safety issues that may be encountered during Interim Remedial Measures (IRMs) and storm water piping installation at the former Monoco Oil Company located at 75 Monroe Avenue in the Village of Pittsford, Monroe County, New York. This HASP only reflects the policies of LaBella Associates D.P.C. The requirements of this HASP are applicable to all approved LaBella personnel at the work site. This document's project specifications and the Community Air Monitoring Plan (CAMP) are to be consulted for guidance in preventing and quickly abating any threat to human safety or the environment. The provisions of the HASP do not replace or supersede any regulatory requirements of the USEPA, NYSDEC, OSHA or and other regulatory body.

2.0 Responsibilities

This HASP presents guidelines to minimize the risk of injury to project personnel, and to provide rapid response in the event of injury. The HASP is applicable only to activities of approved LaBella personnel and their authorized visitors. The Project Manager shall implement the provisions of this HASP for the duration of the project. It is the responsibility of LaBella employees to follow the requirements of this HASP, and all applicable company safety procedures.

3.0 Activities Covered

The activities covered under this HASP are limited to the following:

- Management of environmental investigation and remediation activities
- Environmental Monitoring
- Collection of samples
- Management of excavated soil and fill.

4.0 Work Area Access and Site Control

The contractor(s) will have primary responsibility for work area access and site control.

5.0 Potential Health and Safety Hazards

This section lists some potential health and safety hazards that project personnel may encounter at the project site and some actions to be implemented by approved personnel to control and reduce the associated risk to health and safety. This is not intended to be a complete listing of any and all potential health and safety hazards. New or different hazards may be encountered as site environmental and site work conditions change. The suggested actions to be taken under this plan are not to be substituted for good judgment on the part of project personnel. At all times, the Site Safety Officer has responsibility for site safety and his or her instructions must be followed.

5.1 Hazards Due to Heavy Machinery

Potential Hazard:
Heavy machinery including trucks, excavators, backhoes, etc will be in operation at the site. The presence of such equipment presents the danger of being struck or crushed. Use caution when working near heavy machinery.

Protective Action:
Make sure that operators are aware of your activities, and heed operator's instructions and warnings. Wear bright colored clothing and walk safe distances from heavy equipment. A hard hat, safety glasses and steel toe shoes are required.

5.2 Excavation Hazards

Potential Hazard:
Excavations and trenches can collapse, causing injury or death. Edges of excavations can be unstable and collapse. Toxic and asphyxiant gases can accumulate in confined spaces and trenches. Excavations that require working within the excavation will require air monitoring in the breathing zone (refer to Section 9.0).

Excavations left open create a fall hazard which can cause injury or death.

Protective Action:
Personnel must receive approval from the Project Manager to enter an excavation for any reason. Subsequently, approved personnel are to receive authorization for entry from the Site Safety Officer. Approved personnel are not to enter excavations over 4 feet in depth unless excavations are adequately sloped. Additional personal protective equipment may be required based on the air monitoring.

Personnel should exercise caution near all excavations at the site as it is expected that excavation sidewalls will be unstable.

Fencing and/or barriers accompanied by "no trespassing" signs should be placed around all excavations when left open for any period of time when work is not being conducted.

5.3 Cuts, Punctures and Other Injuries

Potential Hazard:
In any excavation or construction, work site there is the potential for the presence of sharp or jagged edges on rock, metal materials, and other sharp objects. Serious cuts and punctures can result in loss of blood and infection.

Protective Action:
The Project Manager is responsible for making First Aid supplies available at the work site to treat minor injuries. The Site Safety Officer is responsible for arranging the transportation of authorized on-site personnel to medical facilities when First Aid treatment in not sufficient. Do not move seriously injured workers. All injuries requiring treatment are to be reported to the Project Manager. Serious injuries are to be reported immediately to the Site Safety Officer

5.4 Injury Due to Exposure of Chemical Hazards

Potential Hazards:
Volatile organic vapors from petroleum products, chlorinated solvents, ammonia or other chemicals may be encountered during excavation activities at the project work site. Inhalation of high concentrations of organic vapors can cause headache, stupor, drowsiness, confusion and other health effects. Exposure to ammonia vapors can cause irritation to the eyes, nose and throat, breathing difficulty, wheezing or pulmonary edema. Skin contact can cause irritation, chemical burn, or dermatitis. Ammonia vapors also pose an explosion hazard at very high levels (15-28% as noted in the attached Table). Ammonia was detected previously at the site at ~150 ppm (~0.2%), which is significantly lower than the lower explosive limit.

Protective Action:
The presence of organic vapors may be detected by their odor and by monitoring instrumentation. Approved employees will not work in environments where hazardous concentrations of organic vapors are present. Air monitoring (refer to Section 9.0) of the work area will be performed at least every 15 minutes or more often using a Photoionization Detector (PID). Personnel are to leave the work area whenever PID measurements of ambient air exceed 25 ppm consistently for a 5 minute period. In the event that sustained total volatile organic compound (VOC) readings of 25 ppm or are encountered personnel should upgrade personal protective equipment to Level C (refer to Section 8.0) and an Exclusion Zone should be established around the work area to limit and monitor access to this area (refer to Section 6.0).

5.5 Injuries due to extreme hot or cold weather conditions

Potential Hazards:
Extreme hot weather conditions can cause heat exhaustion, heat stress and heat stroke or extreme cold weather conditions can cause hypothermia.

Protective Action:
Precaution measures should be taken such as dress appropriately for the weather conditions and drink plenty of fluid. If personnel should suffer from any of the above conditions, proper techniques should be taken to cool down or heat up the body and taken to the nearest hospital if needed.

6.0 Work Zones

In the event that conditions warrant establishing various work zones (i.e., based on hazards - Section 5.4), the following work zones should be established:

Exclusion Zone (EZ):
The EZ will be established in the immediate vicinity and adjacent downwind direction of site activities that elevate breathing zone VOC concentrations to unacceptable levels based on field screening. These site activities include contaminated soil excavation and soil sampling activities. If access to the site is required to accommodate non-project related personnel then an EZ will be

established by constructing a barrier around the work area (yellow caution tape and/or construction fencing). The EZ barrier shall encompass the work area and any equipment staging/soil staging areas necessary to perform the associated work. The contractor(s) will be responsible for establishing the EZ and limiting access to approved personnel. Depending on the condition for establishing the EZ, access to the EZ may require adequate PPE (e.g., Level C).

Contaminant Reduction Zone (CRZ):
The CRZ will be the area where personnel entering the EZ will don proper PPE prior to entering the EZ and the area where PPE may be removed. The CRZ will also be the area where decontamination of equipment and personnel will be conducted as necessary.

7.0 Decontamination Procedures

Upon leaving the work area, approved personnel shall decontaminate footwear as needed. Under normal work conditions, detailed personal decontamination procedures will not be necessary. Work clothing may become contaminated in the event of an unexpected splash or spill or contact with a contaminated substance. Minor splashes on clothing and footwear can be rinsed with clean water. Heavily contaminated clothing should be removed if it cannot be rinsed with water. Personnel assigned to this project should be prepared with a change of clothing whenever on site.

Personnel will use the contractor's disposal container for disposal of PPE.

8.0 Personal Protective Equipment

Generally, site conditions at this work site require level of protection of Level D or modified Level D. However, air monitoring will be conducted to determine if up-grading to Level C PPE is required (refer to Section 9.0). Descriptions of the typical safety equipment associated with Level D and Level C are provided below:

Level D:
Hard hat, safety glasses, rubber nitrile sampling gloves, steel toe construction grade boots, etc.

Level C:
Level D PPE and full or ½-face respirator and tyvek suit (if necessary). [*Note: Organic vapor and/or ammonia vapor cartridges are to be changed after each 8-hours of use or immediately upon wearer noticing odors*]

9.0 Air Monitoring

According to 29 CFR 1910.120(h), air monitoring shall be used to identify and quantify airborne levels of hazardous substances and health hazards in order to determine the appropriate level of employee protection required for personnel working onsite. Air monitoring will consist at a minimum of the

procedure listed below. Air monitoring instruments will be calibrated and maintained in accordance with the manufacturer's specifications.

The Air Monitor will utilize a photoionization Detector (PID) equipped with a 10.6 eV bulb to screen the ambient air in the work areas (excavation, soil staging, and soil grading areas) for total Volatile Organic Compounds (VOCs) and a DustTrak tm Model 8520 aerosol monitor or equivalent for measuring particulates. Work area ambient air will generally be monitored in the work area and at the downwind perimeter of the immediate work area. Air monitoring of the work areas and downwind of the work areas will be performed at least every 15 minutes or more often using a PID and the DustTrak meter.

If PID readings in the breathing zone exceed 25 ppm for a sustained period of 5 minutes or more, then either personnel are to leave the work area until satisfactory readings are obtained or approved personnel may re-enter the work areas wearing at a minimum a ½ face respirator with organic vapor cartridges for an 8-hour duration (i.e., upgrade to Level C PPE). Organic vapor cartridges are to be changed after each 8-hours of use or more frequently if the wearer detects odors while wearing the respirator. If PID readings are sustained in the work area at levels above 50 ppm for a 5 minute average, work will be stopped immediately until safe levels of VOCs are encountered or additional PPE will be required (i.e., Level B). If PID readings are sustained above 50 ppm, vapor suppression measures (e.g., biosolve spray) will be employed until PID readings are reduced to below 25 ppm in the work area and 5 ppm at the immediate downwind perimeter of the work area.

Further, if ammonia odors are encountered, work will be stopped and a water mist will be applied to the work area to suppress ammonia vapors when work resumes. If sustained PID readings are accompanied by ammonia odors (note: ammonia has an odor threshold of 5 ppm) personnel re-entering the work areas will wear ½ face respirators with ammonia vapor cartridges. Vapor suppression measures will continue until PID readings in the work area are reduced to below 25 ppm and below 5 ppm with no odors at the immediate downwind perimeter of the work area. In the event that strong ammonia odors are observed and PID readings in the work area reach levels in exceedence of 1%, all personnel will exit the work area and misting will continue until PID readings reduce below percent level readings.

If downwind PID measurements reach or exceed 25 ppm consistently for a 5 minute period downwind of the work area a water mist will be applied to the work area and work will be halted until the ammonia vapors are suppressed and PID readings are below 5 ppm. In the event that any ammonia odors are evident off-site, work will be halted and a water mist and/or poly cover will be applied until the ammonia odors are no longer evident. If ammonia odors are persistent offsite, work will be halted and the approach to investigating and remediating the ammonia area will be reevaluated.

10.0 Emergency Action Plan

In the event of an emergency, employees are to turn off and shut down all powered equipment and leave the work areas immediately. Employees are to walk or drive out of the Site as quickly as possible and wait at the assigned 'safe area'. Follow the instructions of the Site Safety Officer.

Employees are not authorized or trained to provide rescue and medical efforts. Rescue and medical efforts will be provided by local authorities.

11.0 Medical Surveillance

Medical surveillance will be provided to all employees who are injured due to overexposure from an emergency incident involving hazardous substances at this site.

12.0 Employee Training

Personnel who are not familiar with this site plan will receive training on its entire content and organization before working at the Site.

Individuals involved with the remedial investigation must be 40-hour OSHA HAZWOPER trained with current 8-hour refresher certification.

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Table 1
Exposure Limits and Recognition Qualities

Compound	PEL-TWA (ppm)(b)(d)	TLV-TWA (ppm)(c)(d)	STEL (ppm)(b)	LEL (%)(e)	UEL (%)(f)	IDLH (ppm)(g)(d)	Odor	Odor Threshold (ppm)	Ionization Potential
Ammonia	50	25	35	15	28	300	Ammonia	5	10.18
Acetone	750	500	NA	2.15	13.2	20,000	Sweet	4.58	9.69
Anthracene	.2	.2	NA	NA	NA	NA	Faint aromatic	NA	NA
Benzene	1	0.5	5	1.3	7.9	3000	Pleasant	8.65	9.24
Benzo (a) pyrene (coal tar pitch volatiles)	0.2	0.1	NA	NA	NA	700	NA	NA	NA
Benzo (a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (b) Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (k) Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	10.88
Carbon Disulfide	20	1	NA	1.3	50	500	Odorless or strong garlic type	.096	10.07
Chlorobenzene	75	10	NA	1.3	9.6	2,400	Faint almond	0.741	9.07
Chloroform	50	2	NA	NA	NA	1,000	ethereal odor	11.7	11.42
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethylene	200	200	NA	9.7	12.8	400	Acrid	NA	9.65
1,2-Dichlorobenzene	50	25	NA	2.2	9.2		Pleasant		9.07
Ethylbenzene	100	100	NA	1.0	6.7	2,000	Ether	2.3	8.76
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	500	50	NA	12	23	5,000	Chloroform-like	10.2	11.35
Naphthalene	10, Skin	10	NA	0.9	5.9	250	Moth Balls	0.3	8.12
n-propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethane	NA	NA	NA	NA	NA	NA	Sweet	NA	NA
Toluene	100	100	NA	0.9	9.5	2,000	Sweet	2.1	8.82
Trichloroethylene	100	50	NA	8	12.5	1,000	Chloroform	1.36	9.45

Table 1 (continued)
Exposure Limits and Recognition Qualities

Compound	**PEL-TWA (ppm)(b)(d)**	**TLV-TWA (ppm)(c)(d)**	**STEL (ppm)(b)**	**LEL (%)(e)**	**UEL (%)(f)**	**IDLH (ppm)(g)(d)**	**Odor**	**Odor Threshold (ppm)**	**Ionization Potential**
Trichloroethylene	100	50	NA	8	12.5	1,000	Chloroform	1.36	9.45
1,2,4-Trimethylbenzene	NA	25	NA	0.9	6.4	NA	Distinct	2.4	NA
1,3,5-Trimethylbenzene	NA	25	NA	NA	NA	NA	Distinct	2.4	NA
Vinyl Chloride	1	1	NA	NA	NA	NA	NA	NA	NA
Xylenes (o,m,p)	100	100	NA	1	7	1,000	Sweet	1.1	8.56
Metals									
Arsenic	0.01	0.2	NA	NA	NA	100, Ca	Almond		NA
Cadmium	0.2	0.5	NA	NA	NA				NA
Chromium	1	0.5	NA	NA	NA				NA
Lead	0.05	0.15	NA	NA	NA	700			NA
Mercury	0.05	0.05	NA	NA	NA	28	Odorless		NA
Selenium	0.2	0.02	NA	NA	NA	Unknown			NA

(a) Skin = Skin Absorption
(b) OSHA-PEL Permissible Exposure Limit (time weighted average, 8-hour): NIOSH Guide, September 2007
(c) ACGIH – 8 hour time weighted average from Threshold Limit Values and Biological Exposure Indices for 2003.
(d) Metal compounds in mg/m3
(e) Lower Explosive Limit (%)
(f) Upper Explosive Limit (%)
(g) Immediately Dangerous to Life or Health Level: NIOSH Guide, September 2007.

Notes:
1. All values are given in parts per million (PPM) unless otherwise indicated.
2. Ca = Possible Human Carcinogen, no IDLH information.

LABELLA Associates, P.C. | Engineering Architecture Environmental Planning

APPENDIX 2

Community Air Monitoring Plan

LABELLA Associates, P.C.

Engineering
Architecture
Environmental

Site-Specific Community Air Monitoring Plan

Location:

Former Monoco Oil
75 Monroe Avenue
Pittsford, New York

Prepared For:

Pittsford Canalside Properties, LLC
301 Exchange Boulevard
Rochester, New York 14608

LaBella Project No. 210259

April 2010

Site-Specific Community Air Monitoring Plan

Location:

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Rochester, New York 14608

LaBella Project No. 210259

April 2010

LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

Table of Contents

1.0 INTRODUCTION

This Site Specific Community Air Monitoring Plan (CAMP) has been prepared by LaBella Associates, P.C. (LaBella) on behalf of Pittsford Canalside Properties, LLC (PCP). This CAMP addresses potential Volatile Organic Compound (VOC) vapor and particulate emissions that may occur during excavation, backfilling, and other remedial activities at the former Monoco Oil Site located at 75 Monroe Avenue, Pittsford, New York which encompasses approximately 7.5 acres located in a Canal Waterfront Business District zoned area along the south side of the Erie Canal in the Village of Pittsford, Monroe County, New York herein after referred to as the "Site."

2.0 PURPOSE

Various levels of VOCs, semi-VOCs, and metals (collectively refered to as "constituents of concern" (COCs)) have been detected in the soil and groundwater at the Site or are suspected to be contained in the soil and/or groundwater at the Site. The presence of these COCs through disturbance of soil and groundwater at the Site can potentially result in nuisance odors or fugitive emissions to the neighborhood in the immediate vicinity of the Site. However, it should be noted that this CAMP is in-place as a precautionary measure.

This CAMP is specific to activities being conducted as part of the interim remedial measures (IRMs) at the Site. The CAMP describes the air monitoring activities to be completed in order to provide a measure of protection for any downwind receptors and occupants of neighboring properties.

This CAMP is based on the air monitoring specified in the New York State Department of Health (NYSDOH) Generic CAMP (included as Appendix 1A and 1B of the Draft DER-10 NYSDEC Technical Guidance for Site Investigation and Remediation dated November 2009).

3.0 METHODOLOGY

This CAMP has been designed for IRMs at the Site. The CAMP is arranged in the following sections:

- Section 3.1: Site Background Monitoring – This section identifies the background monitoring (VOC and fugitive dust) to be completed at the beginning of each day and periodically throughout the day when IRMs are being conducted. The background monitoring is used for comparing readings from the other monitoring locations.

- Section 3.2: Downwind Perimeter Monitoring – This section identifies the downwind perimeter work area monitoring (VOC and fugitive dust) to be completed continuously during the IRMs. Action levels are identified in this section.

- Section 3.3: Nearest Potential Receptor Monitoring – This section identifies additional VOC monitoring that will be completed during the IRMs to provide an added measure of protection at this Site that would not normally be required by NYSDEC or NYSDOH (i.e., this is above and beyond the NYSDOH Generic CAMP). Action levels are identified in this section.

It should be noted that based on the type of work, the various monitoring locations will be moved throughout the day to comply with the appropriate testing location.

In addition to the above, this CAMP also contains a Vapor Emission to Sensitive Receptors Response Plan (Section 3.0). This includes actions to be taken in the event that sustained exceedances of the specified action levels occur.

3.1 Site Background Monitoring

At the beginning of each day of field work, a wind sock or flag will be used to monitor wind direction in the work areas. Based upon daily wind conditions, a background monitoring location will be established. [*Note: In the event that the wind direction changes, the background monitoring location will be moved to an appropriate upwind location.*] The background monitoring location will be at least 25 feet from the work area in an upwind location. Subsequent to establishing the initial background measurements (VOC and particulate, see below), background measurements will be collected every 60 minutes throughout the duration of the IRM activities for that day. The specific background monitoring is defined below:

Background VOC Monitoring:

A photo-ionization Detector (PID) capable of data logging will be used to screen the ambient air or VOCs in the background location (i.e., upwind). The PID will be calibrated daily (in accordance with the manufacturer's specifications) prior to collecting the background readings. The background readings will be collected by a 15-minute running average which will be used for comparison to the downwind perimeter monitoring (refer to Section 3.2) and the nearest potential receptor monitoring (refer to Section 3.3). After the initial reading, periodic background readings will be collected every 60-minutes.

Background Fugitive Dust Monitoring:

A TSI DustTrak™ Model 8520 aerosol monitor or equivalent will be used for measuring particulates. The meter must be capable of measuring matter less than 10 micrometers in size (PM-10). The dust monitor will be calibrated daily (in accordance with the manufacturer's specifications) prior to collecting the background readings. The background dust monitoring will consist of collecting measurements integrated over a 15 minute period and will be used for comparison to the downwind perimeter monitoring (refer to Section 3.2). After the initial reading, periodic background readings will be collected every 60-minutes.

3.2 Downwind Perimeter Monitoring

Subsequent to collecting the initial Background Monitoring measurements, continuous monitoring of the downwind perimeter of the work area (i.e., exclusion zone) will be conducted throughout the duration of the IRMs that day. The downwind perimeter will vary depending on the work; however, in general this will be approximately 30 feet from the location of the work being completed. For example, in the event a Geoprobe boring is being completed, the downwind perimeter monitoring would be conducted approximately 30-ft. from the boring location.

Downwind Perimeter VOC Monitoring:

A MiniRae Lite PID or equivalent will be used to continuously monitor for VOCs at the downwind perimeter location. The PID will be calibrated daily (in accordance with the manufacturer's specifications) at the beginning of each day. An audible alarm will be set on the PID to sound in the event that total organic vapors exceed 5 parts per million (ppm) above the background readings. For example, if the background reading is 2 ppm, then the alarm will be set for 7 ppm.

Actions for Elevated VOC Readings

1. In the event that the action level of 5 ppm above background is exceeded, then work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions (refer to Section 4.0 Vapor Emission to Sensitive Receptors Response Plan for engineering controls), and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200-feet downwind of the work area or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less – but in no case less than 20 feet, is below 5 ppm over background (background based on the 15-minute average).

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown and the Vapor Emission to Sensitive Receptors Response Plan initiated, refer to Section 4.0.

All of the 15-minute readings will be recorded and will be available to NYSDEC and NYSDOH for viewing upon request. Instantaneous readings, if any, that are used for decision purposes will also be recorded.

Downwind Perimeter Fugitive Dust Monitoring:

A DustTrak™ Model 8520 aerosol monitor or equivalent will be used for measuring particulates. The dust meter must be capable of measuring matter less than 10 micrometers in size (PM-10) and be equipped with an audible alarm. The dust meter will be calibrated daily (in accordance with the manufacturer's specifications) prior to collecting readings. The dust monitoring will be conducted continuously and the measurements integrated over a 15 minute period. The results will be compared to the background monitoring (refer to Section 3.1). An audible alarm will be set on the dust meter to sound in the event that particulate levels exceed 100 micrograms per cubic meter ($\mu g/m^3$) greater than background for the 15-minute period. For example, if the background reading is 100 $\mu g/m^3$, then the alarm will be set for 200 $\mu g/m^3$.

Actions for Elevated Particulate Readings

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind) for the 15-minute period or if airborne dust is observed leaving the work area, then Fugitive Dust Control Techniques must be employed (see below). Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 µg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 µg/m^3 above the upwind level, work must be stopped and the Fugitive Dust Control Techniques identified below will be reevaluated. In this event the NYSDEC Project Manager will be contacted immediately. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 µg /m^3 of the upwind level and in preventing visible dust migration.

All of the 15-minute readings will be recorded and will be available to NYSDEC and NYSDOH for viewing upon request.

Fugitive Dust Control Techniques

One or more of the following dust control measures will be implemented in the event that the above action levels are exceeded:

- Apply water to haul roads.
- Wetting equipment and excavation faces.
- Spraying water on buckets during excavation and dumping.
- Reducing excavation sizes.
- Reducing vehicle speeds to 10 mph.
- Immediately placing any investigation derived waste in drums and/or covering with plastic sheeting.

3.3 Nearest Potential Receptor Monitoring

A MiniRae Lite PID or equivalent will be used to continuously monitor for VOCs between the nearest potential receptor and the work area. Specifically, the MiniRae Lite PID or equivalent will be located half the distance between the perimeter of the work area (exclusion zone) and the nearest potential receptor, hereinafter referred to as the "Nearest Potential Receptor Monitoring Location". It should be noted that this location is not dependent on wind direction. The MiniRae Lite PID or equivalent will be calibrated daily (in accordance with the manufacturer's specifications) prior to collecting readings. The MiniRae Lite PID or equivalent will be operated in continuous mode and evaluate 15-minute running averages to account for any drift. An audible alarm will be set on the MiniRae Lite PID or equivalent to sound in the event that total organic vapors exceed 1 ppm above the background readings. For example, if the background reading is 2 ppm, then the alarm will be set for 3 ppm.

Actions for Elevated VOC Readings

1. In the event that the action level of 1 ppm above background is exceeded, then work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 1 ppm over background at the Nearest Potential Receptor Monitoring Location work activities can resume with continued monitoring (assuming the downwind perimeter location is also below it's action level, refer to Section 3.2).

2. If total organic vapor levels at the Nearest Potential Receptor Monitoring Location persist at levels in excess of 1 ppm over background but less than 3 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions (refer to Section 4.0 for engineering controls), and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level at the Nearest Potential Receptor Monitoring Location is below 10 ppm over background (background based on the 15-minute average).

3. If the organic vapor level is above 3 ppm at the Nearest Potential Receptor Monitoring Location, activities must be shutdown and the Vapor Emission to Sensitive Receptors Response Plan initiated, refer to Section 4.0.

All of the 15-minute readings will be recorded and will be available to NYSDEC and NYSDOH for viewing upon request. Instantaneous readings, if any, that are used for decision purposes will also be recorded.

4.0 VAPOR EMISSION TO SENSITIVE RECEPTORS RESPONSE PLAN

Engineering controls to abate VOC emissions will immediately be put into effect if the action levels for VOC monitoring identified in Sections 3.2 and 3.3 are exceeded. These engineering controls may include:

- Vapor suppression utilizing polyethylene sheeting and/or water.
- Backfilling of excavations.
- Covering emission sources with stockpiled materials.

If the measures taken to abate the emission source are ineffective and the total organic vapor readings continue to be above the specified action levels for more than 15 minutes (5 ppm at the downwind perimeter monitoring location or 1 ppm at the Nearest Potential Receptor Monitoring Location), then the following actions shall be placed into effect.

- Occupants of the residential and commercial buildings will be advised to stay inside their respective structure and to close all windows.
- All personnel listed in the Emergency Contacts section of the HASP for this project will be contacted.

- The Site Safety Supervisor will immediately contact the local authorities (fire department) and advise them of the circumstances.
- Continuous air monitoring will be conducted at the Downwind Perimeter Location, the Nearest Potential Receptor Monitoring Location and within the work zone and 1 minute average measurements will be recorded every 15 minutes. Air monitoring may be halted or modified by the Site Safety Supervisor when two successive measurements are below the specified action levels.

If readings remain elevated above the specified action levels for a period of 60 minutes (5 ppm at the downwind perimeter monitoring location or 1 ppm at the Nearest Potential Receptor Monitoring Location) the Site Safety Officer will request that local authorities evacuate the occupants of the buildings.

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APPENDIX 3

Absorbent Sock Specifications

Absorbs oil, but not water

EXCLUSIVE!

PIG Sump Skimmer — Sized to pull oil out of your sumps, tanks and bilges.

- **Simply lower floating skimmer** into any water-based liquid to absorb oils without taking in water
- **Bright white color** makes absorbed oil easier to see; clearly shows saturation level
- Can be **incinerated after use** to reduce waste or for fuels blending
- SKM400, SKM401 and SKM404 **meet NFPA 99 standards for static decay**

PIG Monitoring Well Skimming Socks are just the right size for keeping an eye on well maintenance.

PIG® Sump Skimmer						
Item #	Size	Unit	Abs. Up To	1-2	3-9	10+
SKM413	Ext. Dia. 8" x 30"L	6 socks	20 gal./box	$143	$137	$133
SKM412	Ext. Dia. 5" x 30"L	6 socks	9 gal./box	$121	$115	$109
SKM400	Ext. Dia. 3" x 30"L	15 socks	9.5 gal./box	$103	$97	$91
BEST SELLER! SKM403	Ext. Dia. 8" x 18"L	12 socks	21.6 gal./box	$156	$152	$144
SKM411	Ext. Dia. 5" x 18"L	12 socks	10 gal./box	$132	$128	$121
SKM404	Ext. Dia. 3" x 18"L	25 socks	9.38 gal./box	$110	$105	$101
PIG® Monitoring Well Skimming Sock						
Item #	Size	Unit	Abs. Up To	1-2	3-9	10+
SKM401	Ext. Dia. 1.5" x 18"L	30 socks	4 gal./box	$75	$73	$71

"Your skimmers...have saved our bacon."

"Your skimmers and oil-only line of products have saved our bacon many times during unannounced environmental regulators' visits. They are impressed with the way they absorb all the oil. They commented that they don't drip oil while being retrieved from the sump."

— Robert B.
SKM400 Customer

PIG Rigid Monitoring Sock — Small diameter sock lets you know if there's oil in your monitoring well.

- Rigid polypropylene case keeps **small-diameter sock in direct contact with liquids** at all times for maximum efficiency
- Design **prevents bunching or bending** when lowered into spaces as tight as 2" wide
- Perfect for **soaking up unwanted oil-based fluids** that collect in monitoring wells, tanks, bilges, underground substations, stormwater drains and other limited-access applications
- Large apertures in casing **allow oil to easily pass through to the absorbent sock** without blinding like smaller-aperture cases

PIG® Rigid Monitoring Well Sock						
Item #	Size	Unit	Abs. Up To	1-2	3-9	10+
SKM415	Ext. Dia. 1.5" x 23"L	12 socks	1.7 gal./box	$133	$125	$120