8644 Buffalo Avenue
Niagara Falls, NY 14304
(716) 283-7645
Fax: (716) 283-2858
www.afienvironmental.com

May 21, 2019

Mr. Eugene Melnyk
Mr. Chad Staniszewski
Division of Environmental Remediation
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203-2915

RE: Informal Discussion of Current IRM Activities and Findings

AFI Project No.: D15B-Liberty BCP

Dear Gene and Chad:

AFI is writing this letter for the purpose of continuing our informal discussions regarding the IRM activities and findings to date at the Hurwitz Company Site, as a preface, prior to a formal report submittal. At our last meeting on February 22, 2019, it was discussed that further sampling was necessary to give an indication of area background conditions. In anticipation of utilizing the background data to substantiate conclusions and recommendations, it is AFI's intent to informally discuss the findings, in relation to our position. If the Department agrees, the IRM report is to be finalized and submitted.

In anticipation of more agreeable weather, IRM activities are to resume on site on or around June 3, 2019.

IRM Activities Summary:

LIM proposed excavation activities of the off-site area adjacent to the eastern property line (EPL) and the southern property line (SPL) to remove and process fugitive materials, including buried solid waste (plastics, wood and metals), recoverable ferrous and non-ferrous metals, and impacted soils. Excavation, processing and disposal activities began October 1, 2018 and ceased in late December 2018, due to the changing season and inclement weather.

Prior to site work, a site walk was completed by AFI, LIM and contractors to outline and mark out proposed locations of intrusive testing. New York State DIG Safely was contacted in advance of the site work, invasive trees and stumps located in the areas to be excavated were removed and disposed of as non-hazardous solid waste, utility poles were placed along the EPL providing new service to the VDB. Additionally, the existing fence and berm located along the SPL were removed. **Figure 1** outlines the IRM work zones and sample locations.

EPL

The IRM work areas were divided into representative zones for excavation and sampling. Sixteen (16) soil samples were collected (**Figure 1**), summary maps are included as **Figures 2-4** and a data summary table is included as **Table 1**.

All sixteen samples were non-detect or below SCO levels for PCBs. Fourteen of the sixteen samples were non-detect or below SCO levels for SVOCs. Concentrations of one or more SVOCs along the southern portion of the EPL adjacent to the railroad lines, including EPL-OSA-1 and EPL-OSA-1(2), exceeded residential SCO levels for SVOCs. The primary chemicals of concern were benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenzo (a,h)anthracene and indeno(1,2,3-cd)pyrene. However, concentrations for total polycyclic aromatic hydrocarbons (PAHs) were below 20 mg/kg in all samples. Average PAH total at sample location EPL-OSA-1 was 10.77 mg/kg. Concentrations of RCRA 8 Metals at a eleven of the sixteen sample locations exceeded residential SCOs levels for one or more RCRA 8 Metals, and the primary chemical of concern were Arsenic, Cadmium, Lead and Mercury. All other metals were non-detect or below SCO levels.

SPL

Twenty-one (21) samples were collected, location can be seen in **Figure 1**. Soil data summary maps are included as **Figures 2-4** and a data summary table is included as **Table 2**.

Samples from zones SPL-OSA-14 through SPL-OSA-19 exceeded SCO levels for PCBs, as seen in **Figure 2**. Eleven of twenty-one exceeded recommended SCO levels for one or more SVOCs. The primary chemicals of concern were benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene, as seen in **Figure 3**. However, **c**oncentrations for Total polycyclic aromatic hydrocarbons (PAHs) were below 10 mg/kg in all samples. Average Total polycyclic aromatic hydrocarbons (PAHs) detected at samples collected along the SPL were 3.89 mg/kg. All samples, with the exception of SPL-OSA-1 and SPL-OSA-9, SCO levels for one or more RCRA-8 Metal. The primary chemicals of concern were Arsenic, Cadmium, Lead and Mercury, as seen in **Figure 4**.

Regional Area Background Sampling

As has been discussed by AFI, LIM and the Department, when looking at the site from a regional basis it is fair to assume the potential for background levels for certain COCs to exceed residential SCO levels. During the February 22, 2019 meeting, the Department recommended that an evaluation of regional conditions be conducted to determine the potential for impacts caused by area wide background issues, unrelated to the site.

An extended off-site sampling investigation was conducted on March 13, 2019 and March 14, 2019 to determine if concentrations of COCs in the regional soil conditions potentially contribute to COC detections in the IRM work areas. Sample point locations (see **Figure 1**) were chosen to allow the samples to be unaffected by site conditions, yet still maintain the ability to characterize

regional soil characteristics. The majority of sample points were located between 40 and 60 feet off of the extent of excavation along the property lines.

A total of fifteen samples were collected (**Figure 1**), soil data summary maps are included as **Figures 2-4** and a data summary table for the is included as **Table 3**.

All samples were non-detect or below SCO levels for PCBs. Six of the fifteen samples collected exceeded residential SCO levels for SVOCs. The primary chemicals of concern observed were benzo(a)anthracene, benzo(b)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene. Concentrations for total polycyclic aromatic hydrocarbons (PAHs) were below 10 mg/kg in all samples. Average Total PAHs for EOL samples event was 2.59 mg/kg. All samples, with the exception of samples EOL-3E to EOL-6E,exceeded residential SCO levels for one or more RCRA-8 Metal. The primary chemicals of concern were Arsenic, Cadmium, Lead and Mercury.

Arsenic levels seemed to increase the further to the south samples were collected. Trends of SVOC and Metal exceedances show possible relation associated with the location of the sample. Samples collected adjacent to the railroad tracks to the south of the site had exceedances of select SVOCs and Metals.

A review of data presented in **Table 3** indicates the regional area background levels of SVOCs and Metals exceed residential SCO levels. The COCs include:

- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Chrysene
- Indeno(1,2,3-cd)pyrene
- Arsenic
- Cadmium

In consideration of the detection frequency and exceedance values, it is reasonable to assume that the exceedance of these above-mentioned SVOCs (PAHs) and RCRA-8 metals could be attributed to the regional area-wide soil properties and background levels. With regard to these listed COCs, no further mitigation is warranted due to their presence in excavation zone samples.

EPL Summary

Final review of the results presented in **Table 1** shows several analytes detected above residential SCOs, as discussed below:

- Benzo(a)pyrene in EPL-OSA-1
- Dibenzofuran in EPL-OSA-1
- Lead in EOL-OSA-1, EPL-OSA-4,EPL-OSA-14 and EPL-OSA-15
- Mercury in EPL-OSA-1, EPL-OSA-4, EPL-OSA-14 and EPL-OSA-15

These analytes were not detected above residential SCOs in the Extended off-site Location investigation and therefore could not be attributed to regional soil characteristics. All fugitive waste including wood, plastics as well as recoverable ferrous and non-ferrous metals have been removed from the above grade off site soils.

In consideration of the detection of the above-mentioned analytes and exceedance values, further remediation is necessary in EPL Zones 1,4,14 and 15.

SPL Summary

Final review of **Table 2** shows several analytes detected above residential SCOs, as discussed below:

- Total PCBs in samples SPL-OSA-14, SPL-OSA-15, SPL-OSA-16, SPL-OSA-17 and SPL-OSA-19
- Benzo(a)pyrene in samples SPL-OSA-2 AND SPL-OSA-14
- Barium in SPL-OSA-16

These analytes were not detected above residential SCOs in the Extended off-site Location investigation and therefore could not be attributed to regional soil characteristics. All other exceedances of residential SCOs were of analytes discussed above in the regional background sampling section above.

The exceedances of barium and benzo(a)pyrene in samples taken from the SPL-OSAs are sporadic and inconsistent in the samples taken, indicating that further action is not necessary for these COCs. Excluding SPL-OSA-14 to SPL-OSA-19, the detected Arsenic levels have been reduced to an average value below what was found on-site during the AFI RI/SSI Report. The laboratory detected values of Arsenic for the IRM work areas are also less than one third of the detected levels in the Extended Off-site Location investigation. Excluding SPL-OSA 14 to SPL-OSA-19, the average detected level of Cadmium in the SPL IRM work area was reduced to a similar magnitude as the soils found in the Extended off-site Investigation. Excluding SPL-OSA-14 to SPL-OSA-19, all samples in the SPL IRM work area are non-detect or below residential SCOs for lead.

All fugitive waste including wood, plastics as well as recoverable ferrous and non-ferrous metals have been removed from the above grade off site soils. Impacted soils have been excavated and disposed of at an approved landfill.

In consideration of the detection of the above-mentioned analytes and exceedance values, further remediation is necessary in SPL Zones 14 through 19.

Recommendations

Based on the **Tables 1-3** above, and in consideration of regional background conditions, regarding SVOCs, PCBs, and Metals, the IRM activities conducted to date were successful, with the exception of EPL-OSA-1, EPL-OSA-4, EPL-OSA-14, EPL-OSA-15, SPL-OSA-14 through SPL-OSA-19. These areas will need additional remediation to the levels of effort to that was utilized during the previous IRM activities.

Field Actions Remaining for the Off-Site IRM Activities

Beginning June 3, 2019, AFI will be resuming excavation activities on areas deemed necessary of further action. The scheduled restart date has been delayed to necessity for a series of dry weather to perform the excavation activities.

Excavation activities will be to the level of effort AFI performed on the previous excavation efforts. Impacted soils found in spot locations, along the Eastern and Southern Property Line, are to be excavated to clean soils. Excavated materials will be staged; some excavated soils may possibly be transported off-site for disposal.

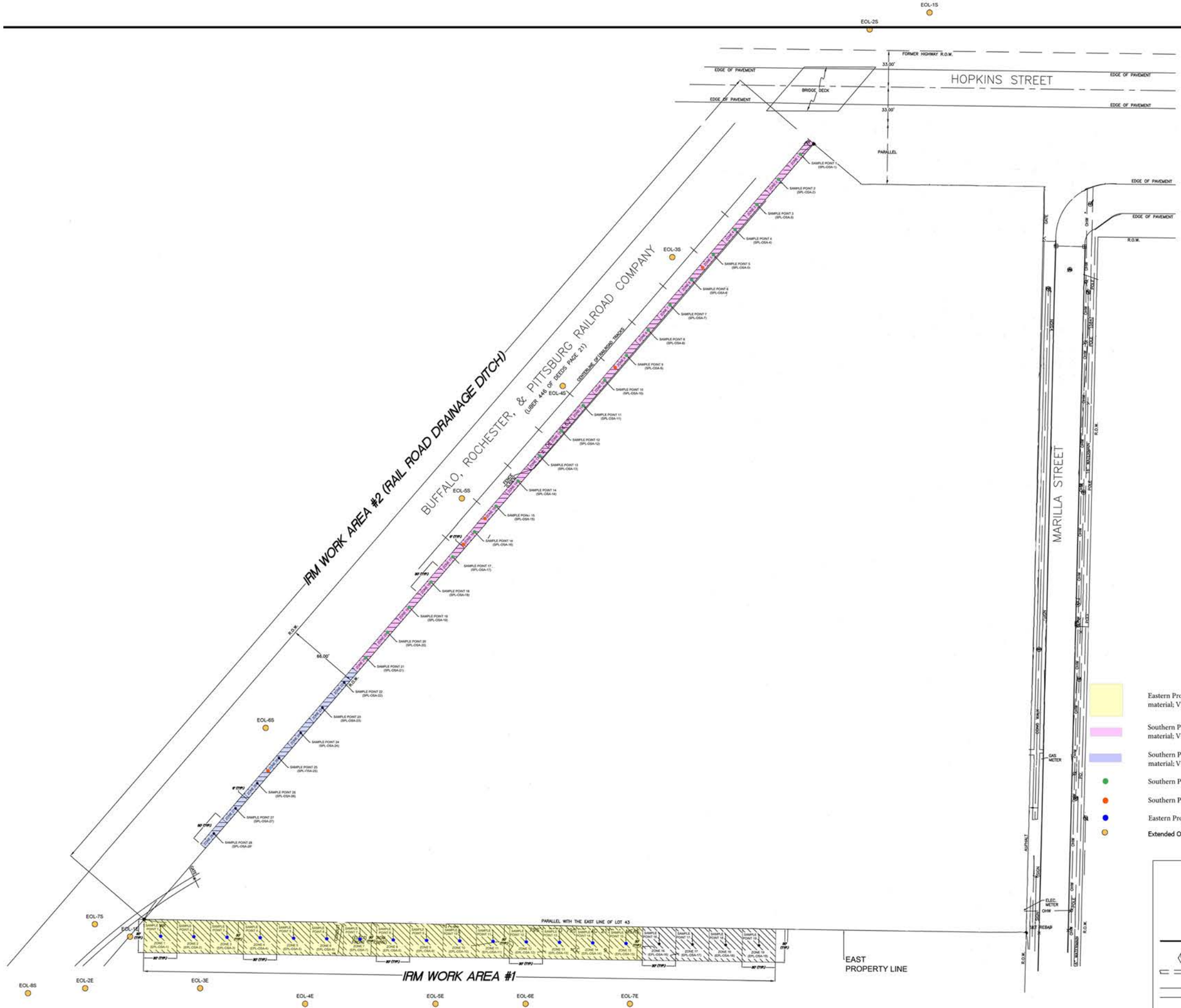
Along the EPL, AFI recommends further excavation in zones 1, 4, 14 and 15. Along the SPL, AFI recommends further excavation in zones 14 through 19. See **Figure 1** for these locations.

All of the collected data is being inserted into the Departments EQuIS database and the report, is concurrently being drafted. Based on your comments to our position, the report will be ready to submit. Please let us know your position on this matter and if you have you have any additional questions, please contact AFI at 716-283-7645 at your convenience.

Sincerely,

Joshua Bartone
AFI Environmental
Project Manager/Senior Geologist

Cc: Mr. William Heitzenrater, Liberty Iron and Metal, Inc.
Mr. Mike Diamond LIM
Mrs. Deborah Chadsey ESQ, Kavinoky Cook



IRM Sampling Map

Hurwitz Company Site
NYSDEC BCP Site# 915290
267 Marilla Street, Buffalo, New York 14220

AFI ENVIRONMENTAL

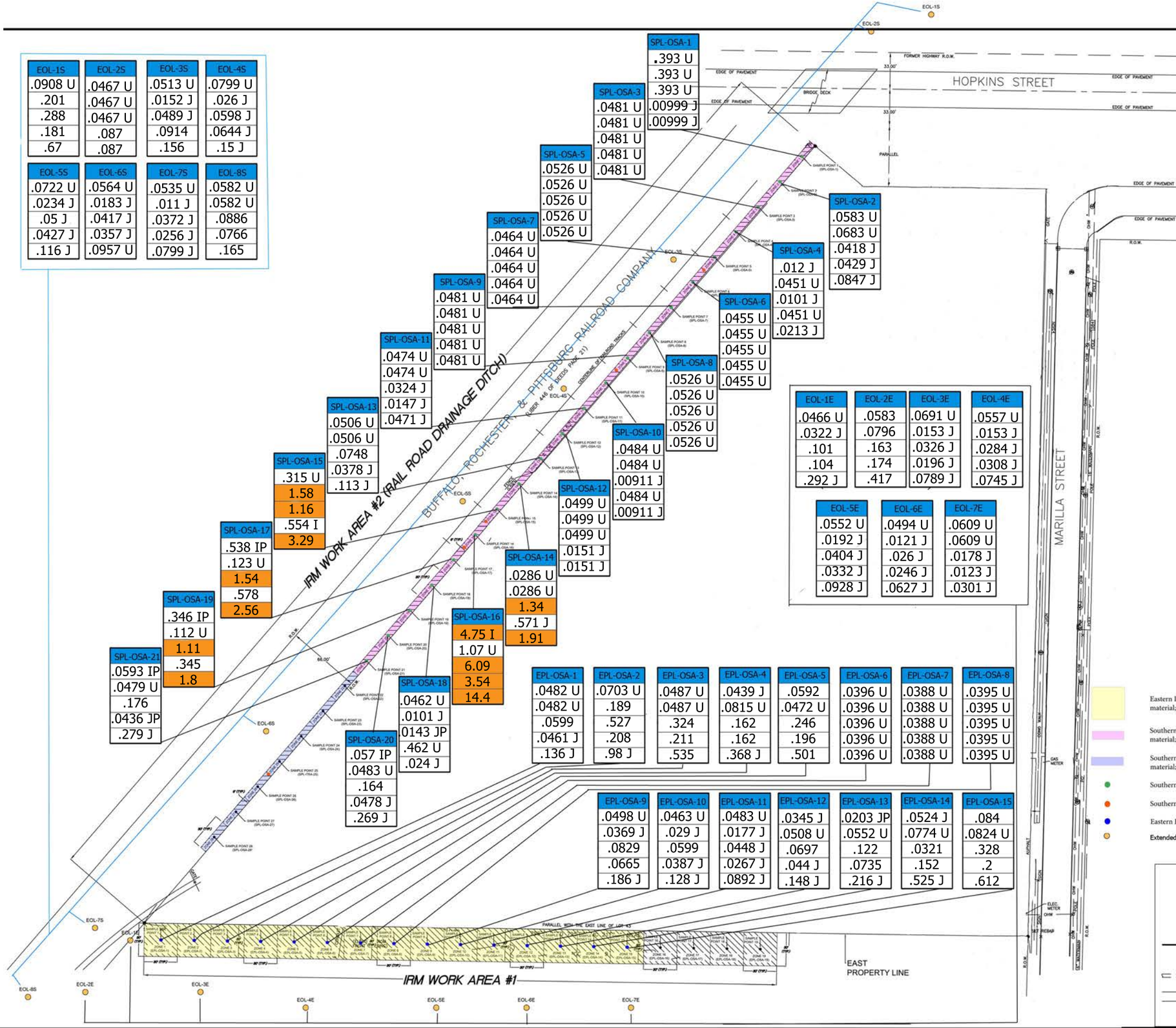
IRM Summary Letter
Figure 1

D15B-Liberty-BCP

05/15/2019
rev1bmq

IRM Soil PCBs Exceedances Data Map

Hurwitz Company Site
NYSDEC BCP Site# C915290
267 Marilla Street, Buffalo, New York 14220



Sample ID

Aroclor 1242 (mg/kg)
Residential Use SCO 1 mg/kg
Commercial Use SCO 1 mg/kg

Aroclor 1248 (mg/kg)
Residential Use SCO 1 mg/kg
Commercial Use Sco 1 mg/kg

Aroclor 1254 (mg/kg)
Residential Use SCO 1 mg/kg
Commercial Use Sco 1 mg/kg

Aroclor 1260 (mg/kg)
Residential Use SCO 1 mg/kg
Commercial Use Sco 1 mg/kg

PVBs, Total (mg/kg)
Residential Use SCO 1 mg/kg
Commercial Use Sco 1 mg/kg

Exceeds Residential Use SCO

Exceeds Commercial Use SCO

*ND = Non-Detect or Below Exceedance Level
*NA = Data Not Available
*J = Estimated value; result is less than the sample quantitation limit but greater than zero.
*U = Not detected at the reported detection limit for the sample
*P = The RPD between the reults for the two columns exceeds the method-specified criteria.

Eastern Property Line Zones 1-15: Excavated to grade, clear of solid wastes and fugitive scrap material; Visually Inspected by AFI; Samples collected and field measured with PID Meter

Southern Property Line Zones 1-21: Excavated to grade, clear of solid wastes and fugitive scrap material; Visually Inspected by AFI; Samples collected and field measured with PID Meter

Southern Property Line Zones 22-29: Excavated to grade, clear of solid wastes and fugitive scrap material; Visually Inspected by AFI

Southern Property Line Sample Point Locations

Southern Property Line Test Pit Locations

Eastern Property Line Sample Point Locations

Extended Off-Site Sample Point Locations

SCALE 1"=40'
0 40' 80'

EXISTING PROPERTY LINE
EXISTING STORM STR. & INLETS
EXISTING STORM PIPE
OHW EXISTING OVERHEAD POWER
EXISTING CONCRETE PADS

AFI ENVIRONMENTAL

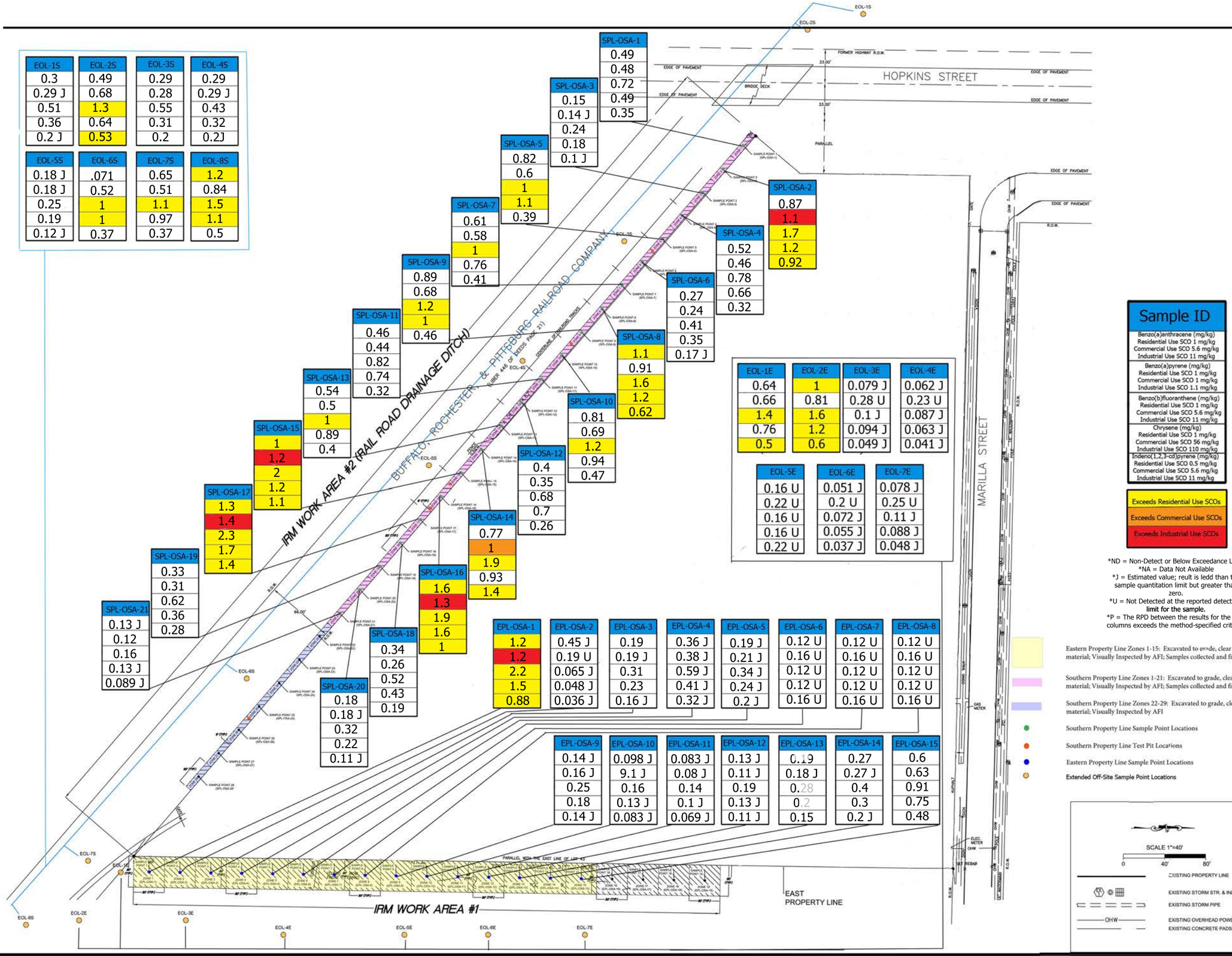
IRM Summary Letter
Figure 2

D15B-Liberty-BCP

05/10/2019
rev1bmq

IRM Soil SVOCs Exceedances Data Map

Hurwitz Company Site
NYSDEC BCP Site# 915290
267 Marila Street, Bufalo, New York 14220



*ND = Non-Detect or Below Exceedance Level
*NA = Data Not Available
*J = Estimated value; reult is ledd than the sample quantitation limit but greater than zero.
*U = Not Detected at the reported detection limit for the sample.
*P = The RPD between the results for the two columns exceeds the method-specified criteria.

AFI ENVIRONMENTAL

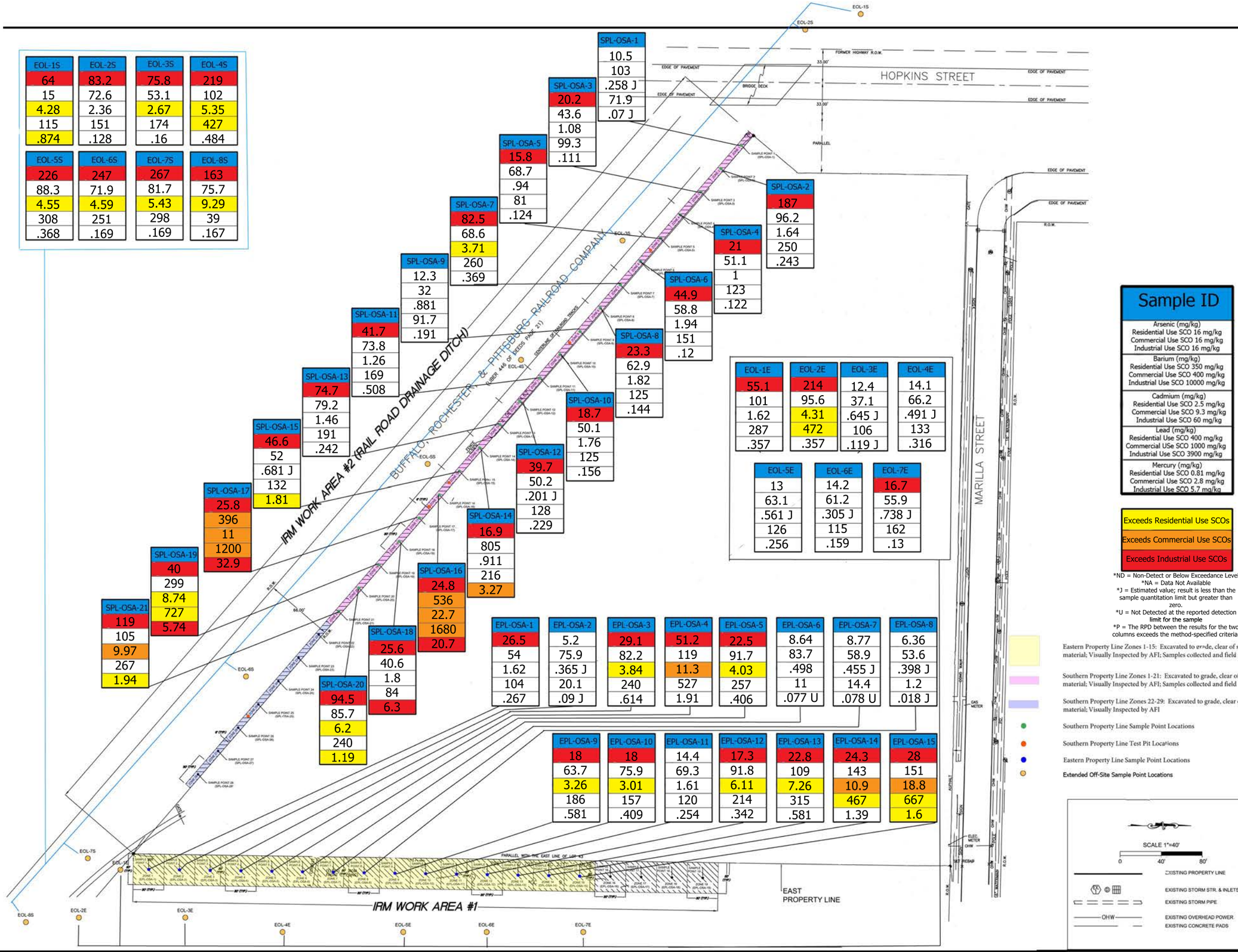
IRM Summary Letter
Figure 3

D15B-Liberty-BCP

05/10/2019
rev1bmq

IRM Soil RCRA 8 Metals Exceedances Data Map

Hurwitz Company Site
NYSDEC BCP Site# 915290
267 Marilla Stree, Buffalo, New York 14220



Sample ID

Arsenic (mg/kg)	Residential Use SCO 16 mg/kg Commercial Use SCO 16 mg/kg Industrial Use SCO 16 mg/kg
Barium (mg/kg)	Residential Use SCO 350 mg/kg Commercial Use SCO 400 mg/kg Industrial Use SCO 10000 mg/kg
Cadmium (mg/kg)	Residential Use SCO 2.5 mg/kg Commercial Use SCO 9.3 mg/kg Industrial Use SCO 60 mg/kg
Lead (mg/kg)	Residential Use SCO 400 mg/kg Commercial USe SCO 1000 mg/kg Industrial Use SCO 3900 mg/kg
Mercury (mg/kg)	Residential Use SCO 0.81 mg/kg Commercial Use SCO 2.8 mg/kg Industrial Use SCO 5.7 mg/kg

Exceeds Residential Use SCOs
Exceeds Commercial Use SCOs
Exceeds Industrial Use SCOs

*ND = Non-Detect or Below Exceedance Level
*NA = Data Not Available
*J = Estimated value; result is less than the sample quantitation limit but greater than zero.
*U = Not Detected at the reported detection limit for the sample
*P = The RPD between the results for the two columns exceeds the method-specified criteria.

Eastern Property Line Zones 1-15: Excavated to grade, clear of solid wastes and fugitive scrap material; Visually Inspected by AFI; Samples collected and field measured with PID Meter

Southern Property Line Zones 1-21: Excavated to grade, clear of solid wastes and fugitive scrap material; Visually Inspected by AFI; Samples collected and field measured with PID Meter

Southern Property Line Zones 22-29: Excavated to grade, clear of solid wastes and fugitive scrap material; Visually Inspected by AFI

Southern Property Line Sample Point Locations

Southern Property Line Test Pit Locations

Eastern Property Line Sample Point Locations

Extended Off-Site Sample Point Locations

AFI ENVIRONMENTAL

IRM Sumary Letter
Figure 4

D15B-Liberty-BCP

05/10/2019
rev1bmq

Table 1
IRM Eastern Property Line Soil Analytical Data Summary Table
Hurwitz Company Site
267 Marilla Street
Buffalo, New York 14220
Site ID. C915290 IRM Summary Letter

LOCATION							EPL-OSA-1		EPL-0SA-1-2		EPL-OSA-2		EPL-OSA-3		EPL-OSA-4		EPL-OSA-5		EPL-OSA-6		EPL-OSA-7		EPL-OSA-8		EPL-OSA-9		EPL-OSA-10		EPL-OSA-11		EPL-OSA-12		EPL-OSA-13		EPL-OSA-14		EPL-OSA-15	
SAMPLING DATE							10/31/2018		12/10/2018		10/31/2018		10/26/2018		10/26/2018		10/26/2018		11/13/2018		11/13/2018		11/13/2018		11/9/2018		11/8/2018		11/8/2018		11/6/2018		11/6/2018		11/6/2018		11/6/2018	
LAB SAMPLE ID							L1844753-01		L1850609-01		L1844753-02		L1843892-01		L1843892-02		L1843892-03		L1846515-01		L1846515-02		L1846515-03		L1846068-01		L1846069-02		L1846069-01		L1845317-04		L1845317-03		L1845317-02		L1845317-01	
SAMPLE TYPE							SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)							0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5	
	CasNum	NY-RESI	NY-RESC	NY-RESR	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry																																						
Solids, Total	NONE					%	68.9		46		68.3		55.1		39.4		68.1		81.9		81		83.4		63.1		70.4		68.2		63.3		60.2		42.4		38.8	
Polychlorinated Biphenyls																																						
Aroclor 1242	53469-21-9	25	1	1	0.1	mg/kg	0.0482	U	0.0703	U	0.0487	U	0.0137	J	0.0439	J	0.0592		0.0396	U	0.0388	U	0.0395	U	0.0498	U	0.0463	U	0.0483	U	0.0345	J	0.0203	JP	0.0524	J	0.084	
Aroclor 1248	12672-29-6	25	1	1	0.1	mg/kg	0.0482	U	0.189		0.0487	U	0.0584	U	0.0815	U	0.0472	U	0.0396	U	0.0388	U	0.0395	U	0.0369	J	0.029	J	0.0177	J	0.0508	U	0.0552	U	0.0774	U	0.0824	U
Aroclor 1254	11097-69-1	25	1	1	0.1	mg/kg	0.0599		0.527		0.324		0.0628		0.162		0.246		0.0396	U	0.0388	U	0.0395	U	0.0829		0.0599		0.0448	J	0.0697		0.122		0.321		0.328	
Aroclor 1260	11096-82-5	25	1	1	0.1	mg/kg	0.0461	J	0.208		0.211		0.0721		0.162		0.196		0.0396	U	0.0388	U	0.0395	U	0.0665		0.0387	J	0.0267	J	0.044	J	0.0735		0.152		0.2	
Aroclor 1268	11100-14-4	25	1	1	0.1	mg/kg	0.0298	J	0.056	J	0.0487	U	0.0324	J	0.0815	U	0.0472	U	0.0396	U	0.0388	U	0.0395	U	0.0498	U	0.0463	U	0.0483	U	0.0508	U	0.0552	U	0.0774	U	0.0824	U
PCBs, Total	1336-36-3	25	1	1	0.1	mg/kg	0.136	J	0.98	J	0.535		0.181	J	0.368	J	0.501		0.0396	U	0.0388	U	0.0395	U	0.186	J	0.128	J	0.0892	J	0.148	J	0.216	J	0.525	J	0.612	
Semivolatile Organics																																						
Acenaphthene	83-32-9	1000	500	100	20	mg/kg	0.042	J	2.9	U	0.19	U	0.054	J	0.97	U	0.55	U	0.16	U	0.16	U	0.16	U	0.21	U	0.18	U	0.19	U	0.2	U	0.22	U	0.31	U	0.052	J
2,4-Dimethylphenol	105-67-9					mg/kg	0.24	U	3.6	U	0.24	U	0.29	U	1.2	U	0.69	U	0.22		0.2	U	0.2	U	0.26	U	0.23	U	0.24	U	0.26	U	0.27	U	0.39	U	0.42	U
2-Methylnaphthalene	91-57-6					mg/kg	0.66		1.8	J	0.029	J	0.29	J	0.2	J	0.82	U	0.88		0.026	J	0.24	U	0.2	J	0.11	J	0.097	J	0.1	J	0.11	J	0.096	J	0.14	J
3-Methylphenol/4-Methylphenol	108-39-4	1000	500	34	0.33	mg/kg	0.041	J	5.2	U	0.35	U	0.18	J	1.7	U	0.99	U	0.29	U	0.29	U	0.28	U	0.05	J	0.33	U	0.14	J	0.37	U	0.39	U	0.56	U	0.6	U
3-Nitroaniline	99-09-2					mg/kg	0.24	U	3.6	U	0.24	U	0.29	U	1.2	U	0.69	U	0.2	U	0.2	U	0.2	U	0.26	U	0.23	U	0.11	J	0.26	U	0.27	U	0.39	U	0.42	U
Acenaphthylene	208-96-8	1000	500	100	100	mg/kg	0.32		0.89	J	0.19	U	0.054	J	0.97	U	0.55	U	0.16	U	0.16	U	0.16	U	0.041	J	0.18	U	0.19	U	0.045	J	0.042	J	0.068	J	0.24	J
Acetophenone	98-86-2					mg/kg	0.24	U	3.6	U	0.24	U	0.29	U	1.2	U	0.69	U	0.2	U	0.2	U	0.2	U	0.19	J	0.23	U	0.24	U	0.04	J	0.27	U	0.062	J	0.42	U
Anthracene	120-12-7	1000	500	100	100	mg/kg	0.32		0.95	J	0.14	U	0.066	J	0.73	U	0.41	U	0.12	U	0.12	U	0.12	U	0.07	J	0.14	U	0.14	U	0.15	U	0.16	U	0.23	U	0.19	J
Benzaldehyde	100-52-7					mg/kg	0.32		1.5	J	0.32	U	0.25	J	1.6	U	0.91	U	0.27	U	0.26	U	0.26	U	0.34	U	0.12	J	0.14	J	0.34	U	0.36	U	0.46	J	0.19	J
Benzo(a)anthracene	56-55-3	11	5.6	1	1	mg/kg	1.2		2.6		0.045	J	0.19		0.36	J	0.19	J	0.12	U	0.12	U	0.12	U	0.14	J	0.098	J	0.083	J	0.13	J	0.19		0.27		0.6	
Benzo(a)pyrene	50-32-8	1.1	1	1	1	mg/kg	1.2		3		0.19	U	0.19	J	0.38	J	0.21	J	0.16	U	0.16	U	0.16	U	0.16	J	0.1	J	0.08	J	0.11	J	0.18	J	0.27	J	0.63	
Benzo(b)fluoranthene	205-99-2	11	5.6	1	1	mg/kg	2.2		4.8		0.065	J	0.31		0.59	J	0.34	J	0.12	U	0.12	U	0.12	U	0.25		0.16		0.14		0.19		0.28		0.4		0.91	
Benzo(ghi)perylene	191-24-2	1000	500	100	100	mg/kg	0.77		2	J	0.032	J	0.15	J	0.29	J	0.2	J	0.16	U	0.16	U	0.16	U	0.14	J	0.078	J	0.068	J	0.098	J	0.14	J	0.21	J	0.46	
Benzo(k)fluoranthene	207-08-9	110	56	1	0.8	mg/kg	0.62		1.5	J	0.14	U	0.086	J	0.73	U	0.41	U	0.12	U	0.12	U	0.12	U	0.072	J	0.052	J	0.14	U	0.06	J	0.089	J	0.14	J	0.32	
Biphenyl	92-52-4					mg/kg	0.11	J	8.2	U	0.55	U	0.67	U	2.8	U	1.6	U	0.46	U	0.46	U	0.45	U	0.59	U	0.53	U	0.54	U	0.58	U	0.62	U	0.89	U	0.96	U
Bis(2-ethylhexyl)phthalate	117-81-7					mg/kg	0.097	J	3.6	U	0.24	U	0.29	U	1.2	U	0.69	U	0.2	U	0.2	U	0.2	U	0.26	U	0.23	U	0.24	U	0.26	U	0.27	U	0.15	J	0.42	U
Butyl benzyl phthalate	85-68-7					mg/kg	0.24	U	3.6	U	0.24	U	0.29	U	1.2	U	0.69	U	0.2	U	0.2	U	0.2	U	0.26	U	0.23	U	0.24	U	0.26	U	0.077	J	0.12	J	0.24	J
Carbazole	86-74-8					mg/kg	0.12	J	0.56	J	0.24	U	0.056	J	1.2	U	0.69	U	0.2	U	0.2	U	0.2	U	0.048	J	0.027	J	0.026	J	0.027	J	0.045	J	0.076	J	0.18	J
Chrysene	218-01-9	110	56	1	1	mg/kg	1.5		3.3		0.048	J	0.23		0.41	J	0.24	J	0.12	U	0.12	U	0.12	U	0.18		0.13	J	0.1	J	0.13	J	0.2		0.3		0.75	
Dibenzo(a,h)anthracene	53-70-3	1.1	0.56	0.33	0.33	mg/kg	0.23		0.56	J	0.14	U	0.039	J	0.73	U	0.41	U	0.12	U	0.12	U	0.12	U	0.16	U	0.14	U	0.14	U	0.15	U	0.037	J	0.051	J	0.11	J
Dibenzofuran	132-64-9	1000	350	14	7	mg/kg	0.26		0.7	J	0.24	U	0.13	J	1.2	U	0.69	U	0.2	U	0.2	U	0.2	U	0.05	J	0.037	J	0.036	J	0.26	U	0.036	J	0.04	J	0.094	J
Di-n-butylphthalate	84-74-2					mg/kg	0.24	U	3.6	U	0.24	U	0.29	U	1.2	U	0.69	U	0.2	U	0.2	U	0.2	U	0.21	J	0.23	U	0.24	U	0.26	U	0.27	U	0.39	U	0.42	U
Fluoranthene	206-44-0	1000	500	100	100	mg/kg	1.8		4.4		0.08	J	0.44		0.77		0.46		0.12	U	0.12	U	0.12	U	0.37		0.19		0.16		0.22		0.36		0.56		1.6	
Fluorene	86-73-7	1000	500	100	30	mg/kg	0.078	J	3.6	U	0.24	U	0.074	J	1.2	U	0.69	U	0.2	U	0.2	U	0.2	U	0.028	J	0.23	U	0.24	U	0.26	U	0.27	U	0.047	J	0.14	J
Indeno(1,2,3-cd)pyrene	193-39-5	11	5.6	0.5	0.5	mg/kg	0.88		2.1	J	0.036	J	0.16	J	0.32	J	0.2	J	0.16	U	0.16	U	0.16	U	0.14	J	0.083	J	0.069	J	0.11	J	0.15	J	0.2	J	0.48	
Naphthalene	91-20-3	1000	500	100	12	mg/kg	0.56		1.4	J	0.049	J	0.57		0.42	J	0.11	J	1.1		0.025	J	0.2	U	0.28		0.14	J	0.14	J	0.15	J	0.16	J	0.14	J	0.2	J
Phenanthrene	85-01-8	1000	500	100	100	mg/kg	0.8		3.3		0.056	J	0.48		0.52	J	0.27	J	0.12	U	0.12	U	0.12	U	0.27		0.16		0.16		0.13	J	0.26		0.43		1.3	
Phenol	108-95-2	1000	500	100	0.33	mg/kg	0.046	J	3.6	U	0.24	U	0.21	J	0.38	J	0.69	U	0.2	U	0.2	U	0.2	U	0.1	J	0.23	U	0.24	U	0.26	U	0.27	U	0.15	J	0.42	U
Pyrene	129-00-0	1000	500	100	100	mg/kg	1.6		3.8		0.069	J	0.34		0.6	J	0.37	J	0.12	U	0.12	U	0.12	U	0.32		0.15		0.13	J	0.19		0.31		0.48		1.3	
Total Metals																																						
Arsenic, Total	7440-38-2	16	16	16	13	mg/kg	26.5		40.6		5.2		29.1		51.2		22.5		8.64		8.77		6.46		18		18		14.4		17.3		22.8		24.3		28	
Barium, Total	7440-39-3	10000	400	350	350	mg/kg	64		136		75.9		82.2		119		91.7		83.7		58.9		53.6		63.7		75.9		69.3		91.8		109		142		151	
Cadmium, Total	7440-43-9	60	9.3	2.5	2.5	mg/kg	1.62		7.76		0.365	J	3.84		11.3		4.03		0.498		0.455	J	0.398	J	3.26		3.02		1.61		6.11		7.26		10.9		18.8	
Chromium, Total	7440-47-3					mg/kg	46		348		26.4		6420		18600		2430		13.3		15.3		11.3		333		150		115		143		161		158		159	
Lead, Total	7439-92-1	3900	1000	400	63	mg/kg	104		575		20.1		240		527		257		11		14.4		11.2		186		157		120		214		315		467		667	
Mercury, Total	7439-97-6	5.7	2.8	0.81	0.18	mg/kg	0.267		0.965		0.09	J	0.614		1.91		0.406		0.077	U	0.078	U	0.018	J	0.581		0.409		0.254		0.342		0.581		1.39		1.6	
Selenium, Total	7782-49-2	6800	1500	36	3.9	mg/kg	0.828	J	4.35		1.08	J	8.34		21.8		5.63		0.586	J	0.464	J	0.599	J	2.22		1.29		0.909	J	0.54	J	0.582	J	0.982	J	0.983	J
Silver, Total	7440-22-4	6800	1500	36	2	mg/kg	0.298	J	0.848		0.399	J	0.894		1.85		0.975		0.149	J	0.464	U	0.457	U	0.699		0.824		0.512	J	0.66		0.967		1.44		1.9	
Volatile Organics																																						
Cyclohexane	110-82-7					mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	0.91	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	780	390	30	1	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	13		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	98-82-8					mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	2		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	108-87-2					mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	1.9		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	95-47-6					mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	0.33		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p/m-Xylene	179601-23-1					mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	62		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Comparison is not performed on parameters with non-numeric criteria.

Definitions

J = Estimated value; result is less than the sample quantitation limit but greater than zero.
U = Not detected at the reported detection limit for the sample.
NY-RESI: New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESC: New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESR: New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

Table 2
IRM Southern Property Line Soil Analytical Data Summary Table
Hurwitz Company Site
267 Marilla Street
Buffalo, New York 14220
Site ID. C915290 IRM Summary Letter

LOCATION							SPL-0SA-1		SPL-0SA-2		SPL-0SA-3		SPL-0SA-4		SPL-0SA-5		SPL-0SA-6		SPL-0SA-7		SPL-0SA-8		SPL-0SA-9		SPL-0SA-10		SPL-0SA-11		SPL-0SA-12		SPL-0SA-13		SPL-0SA-14		SPL-0SA-15		SPL-0SA-16		SPL-0SA-17		SPL-0SA-18		SPL-0SA-19		SPL-0SA-20		SPL-0SA-21	
SAMPLING DATE							12/7/2018		12/7/2018		12/5/2018		12/5/2018		12/5/2018		12/5/2018		12/5/2018		12/5/2018		12/5/2018		12/5/2018		12/7/2018		12/7/2018		12/7/2018		12/7/2018		12/7/2018		12/5/2018		12/5/2018		12/5/2018		12/5/2018		12/5/2018		12/5/2018	
LAB SAMPLE ID							L1850367-01		L1850367-02		L1850090-01		L1850090-02		L1850090-03		L1850090-04		L1850090-05		L1850090-06		L1850090-07		L1850090-08		L1850367-03		L1850367-04		L1850367-05		L1850367-06		L1850367-07		L1850029-01		L1850029-02		L1850029-03		L1850029-04		L1850029-05		L1850029-06	
SAMPLE TYPE							SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)							0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5	
	CasNum	NY-RESI	NY-RESC	NY-RESR	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry																																																
Solids, Total	NONE					%	82.7		61.7		66.7		72.4		60.3		69.2		67.5		61.7		65		67.9		66.6		65.2		64.1		57.2		52.1		61.2		53.2		70.3		56.9		68.3		66.8	
Polychlorinated Biphenyls																																															
Aroclor 1242	53469-21-9	25	1	1	0.1	mg/kg	0.0393	U	0.0538	U	0.0481	U	0.0112	J	0.0526	U	0.0455	U	0.0464	U	0.0526	U	0.0481	U	0.0484	U	0.0474	U	0.0499	U	0.0506	U	0.286	U	0.315	U	4.75	I	0.538	IP	0.0462	U	0.346	IP	0.057	IP	0.0593	IP
Aroclor 1248	12672-29-6	25	1	1	0.1	mg/kg	0.0393	U	0.0538	U	0.0481	U	0.0451	U	0.0526	U	0.0455	U	0.0464	U	0.0526	U	0.0481	U	0.0484	U	0.0474	U	0.0499	U	0.0506	U	0.286	U	1.58		1.07	U	0.123	U	0.0101	J	0.112	U	0.0483	U	0.0479	U
Aroclor 1254	11097-69-1	25	1	1	0.1	mg/kg	0.0393	U	0.0418	J	0.0481	U	0.0101	J	0.0526	U	0.0455	U	0.0464	U	0.0526	U	0.0481	U	0.00911	J	0.0324	J	0.0499	U	0.0748		1.34		1.16		6.09		1.54		0.0143	JP	1.11		0.164		0.176	
Aroclor 1260	11096-82-5	25	1	1	0.1	mg/kg	0.00999	J	0.0429	J	0.0481	U	0.0451	U	0.0526	U	0.0455	U	0.0464	U	0.0526	U	0.0481	U	0.0484	U	0.0147	J	0.0151	J	0.0378	J	0.571	I	0.554	I	3.52		0.578		0.0462	U	0.345		0.0478	J	0.0436	JP
PCBs, Total	1336-36-3	25	1	1	0.1	mg/kg	0.00999	J	0.0847	J	0.0481	U	0.0213	J	0.0526	U	0.0455	U	0.0464	U	0.0526	U	0.0481	U	0.00911	J	0.0471	J	0.0151	J	0.113	J	1.91		3.29		14.4		2.66		0.0244	J	1.8		0.269	J	0.279	J
Semivolatile Organics																																															
2,4-Dinitrotoluene	121-14-2					mg/kg	0.2	U	0.79	U	0.24	U	0.23	U	0.27	U	0.24	U	0.25	U	0.27	U	0.25	U	0.24	U	0.25	U	0.25	U	0.26	U	0.29	U	0.32	U	0.26	U	0.3	U	0.23	U	0.29	U	0.24	U	0.24	U
2-Methylnaphthalene	91-57-6					mg/kg	0.16	J	1.1		0.15	J	0.3		0.32	J	0.26	J	0.32		0.37		0.24	J	0.3		0.86		1		1.7		1		0.9		0.16	J	0.48		0.58		0.43		0.16	J	0.03	J
2-Methylphenol	95-48-7	1000	500	100	0.33	mg/kg	0.2	U	0.79	U	0.24	U	0.23	U	0.27	U	0.24	U	0.25	U	0.27	U	0.25	U	0.24	U	0.25	U	0.25	U	0.26	U	0.51		0.096	J	0.26	U	0.3	U	0.23	U	0.29	U	0.24	U	0.24	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	1000	500	34	0.33	mg/kg	0.28	U	1.1	U	0.35	U	0.33	U	0.047	J	0.34	U	0.36	U	0.39	U	0.36	U	0.35	U	0.35	U	0.04	J	0.062	J	0.086	J	0.12	J	0.042	J	0.096	J	0.039	J	0.42	U	0.047	J	0.35	U
Acenaphthene	83-32-9	1000	500	100	20	mg/kg	0.16	U	0.084	J	0.19	U	0.18	U	0.22	U	0.19	U	0.2	U	0.21	U	0.2	U	0.19	U	0.037	J	0.04	J	0.055	J	0.077	J	0.095	J	0.42		0.062	J	0.11	J	0.034	J	0.19	U	0.2	U
Acenaphthylene	208-96-8	1000	500	100	100	mg/kg	0.1	J	0.22	J	0.051	J	0.18		0.2	J	0.089	J	0.22		0.35		0.24		0.3		0.18	J	0.15	J	0.2		0.54		0.35		0.17	J	0.6		0.12	J	0.15	J	0.066	J	0.051	J
Acetophenone	98-86-2					mg/kg	0.2	U	0.79	U	0.24	U	0.23	U	0.075	J	0.24	U	0.25	U	0.27	U	0.038	J	0.038	J	0.12	J	0.13	J	0.21	J	0.25	J	0.28	J	0.26		0.16	J	0.049	J	0.076	J	0.24	U	0.24	U
Anthracene	120-12-7	1000	500	100	100	mg/kg	0.15		0.28	J	0.048	J	0.15		0.15	J	0.073	J	0.15		0.24		0.15		0.22		0.15		0.13	J	0.19		0.41		0.4		0.84		0.68		0.23		0.15	J	0.08	J	0.064	J
Benzaldehyde	100-52-7					mg/kg	0.26	U	1	U	0.074	J	0.15	J	0.25	J	0.14	J	0.16	J	0.14	J	0.14	J	0.14	J	0.32	U	0.34	U	0.34	U	0.38	U	0.42	U	0.22	J	0.39	J	0.098	J	0.13	J	0.32	U	0.32	U
Benzo(a)anthracene	56-55-3	11	5.6	1	1	mg/kg	0.49		0.87		0.15		0.52		0.82		0.27		0.61		1.1		0.89		0.81		0.46		0.4		0.54		0.77		1		1.6		1.3		0.34		0.33		0.18		0.13	J
Benzo(a)pyrene	50-32-8	1.1	1	1	1	mg/kg	0.48		1.1		0.14	J	0.46		0.6		0.24		0.58		0.91		0.68		0.69		0.44		0.35		0.5		1		1.2		1.3		1.4		0.26		0.31		0.18	J	0.12	J
Benzo(b)fluoranthene	205-99-2	11	5.6	1	1	mg/kg	0.72		1.7		0.24		0.78		1		0.41		1		1.6		1.2		1.2		0.82		0.68		1		1.9		2		1.9		2.3		0.52		0.62		0.32		0.16	
Benzo(ghi)perylene	191-24-2	1000	500	100	100	mg/kg	0.31		0.89		0.093	J	0.29		0.36		0.16	J	0.36		0.54		0.4		0.39		0.28		0.24		0.35		1.4		1.1		0.87		1.1		0.16	J	0.24		0.098	J	0.073	J
Benzo(k)fluoranthene	207-08-9	110	56	1	0.8	mg/kg	0.27		0.61		0.07	J	0.3		0.31		0.15		0.28		0.51		0.35		0.33		0.24		0.22		0.32		0.56		0.63		0.61		0.83		0.14		0.21		0.088	J	0.062	J
Biphenyl	92-52-4					mg/kg	0.45	U	0.18	J	0.55	U	0.055	J	0.62	U	0.1	J	0.058	J	0.063	J	0.57	U	0.55	U	0.15	J	0.16	J	0.27	J	0.17	J	0.15	J	0.6	U	0.091	J	0.17	J	0.66	U	0.55	U	0.56	U
Bis(2-ethylhexyl)phthalate	117-81-7					mg/kg	0.2	U	0.79	U	0.24	U	0.23	U	0.27	U	0.24	U	0.25	U	0.27	U	0.25	U	0.24	U	0.25	U	0.25	U	0.26	U	0.32		86	E	3.3		0.63		0.23	U	0.14	J	0.24	U	0.24	U
Butyl benzyl phthalate	85-68-7					mg/kg	0.2	U	0.79	U	0.24	U	0.23	U	0.27	U	0.24	U	0.25	U	0.27	U	0.25	U	0.24	U	0.25	U	0.25	U	0.26	U	0.29	U	0.39		0.66		0.3	U	0.23	U	0.29	U	0.24	U	0.074	J
Carbazole	86-74-8					mg/kg	0.089	J	0.15	J	0.027	J	0.11	J	0.089	J	0.047	J	0.1	J	0.13	J	0.1	J	0.16	J	0.079	J	0.086	J	0.12	J	0.2	J	0.25	J	0.38		0.17	J	0.098	J	0.068	J	0.033	J	0.032	J
Chrysene	218-01-9	110	56	1	1	mg/kg	0.49		1.2		0.18		0.66		1.1		0.35		0.76		1.2		1		0.94		0.74		0.7		0.89		0.93		1.2		1.6		1.7		0.43		0.36		0.22		0.13	J
Dibenzo(a,h)anthracene	53-70-3	1.1	0.56	0.33	0.33	mg/kg	0.089	J	0.22	J	0.14	U	0.085	J	0.11	J	0.053	J	0.12	J	0.18		0.12	J	0.14		0.096	J	0.089	J	0.12	J	0.26		0.26		0.23		0.32		0.058	J	0.071	J	0.032	J	0.15	U
Dibenzofuran	132-64-9	1000	350	14	7	mg/kg	0.081	J	0.45	J	0.085	J	0.15	J	0.12	J	0.1	J	0.16	J	0.28		0.12	J	0.2	J	0.31		0.34		0.52		0.44		0.31	J	0.28		0.27	J	0.38		0.18	J	0.1	J	0.034	J
Dimethyl phthalate	131-11-3					mg/kg	0.2	U	0.79	U	0.24	U	0.23	U	0.27	U	0.24	U	0.25	U	0.27	U	0.25	U	0.24	U	0.25	U	0.25	U	0.26	U	0.29	U	0.32	U	0.096	J	0.3	U	0.23	U	0.29	U	0.24	U	0.24	U
Di-n-butylphthalate	84-74-2					mg/kg	0.2	U	0.79	U	0.24	U	0.23	U	0.27	U	0.24	U	0.25	U	0.27	U	0.25	U	0.2	J	0.25	U	0.25	U	0.26	U	0.29	U	0.15	J	0.24	J	0.067	J	0.23	U	0.29	U	0.24	U	0.24	U
Fluoranthene	206-44-0	1000	500	100	100	mg/kg	0.78		1.3		0.26		0.99		1.2		0.42		1		1.7		1.8		1.8		0.69		0.6		0.95		1.2		2		2.8		1.5		0.58		0.45		0.25		0.29	
Fluorene	86-73-7	1000	500	100	30	mg/kg	0.036	J	0.14	J	0.024	J	0.23	U	0.27	U	0.035	J	0.048	J	0.051	J	0.034	J	0.052	J	0.074	J	0.09	J	0.14	J	0.15	J	0.16	J	0.44		0.12	J	0.17	J	0.052	J	0.027	J	0.038	J
Indeno(1,2,3-cd)pyrene	193-39-5	11	5.6	0.5	0.5	mg/kg	0.35		0.92		0.1	J	0.32		0.39		0.17	J	0.41		0.62		0.46		0.47		0.32		0.26		0.4		1.4		1.1		1		1.4		0.19		0.28		0.11	J	0.089	J
Naphthalene	91-20-3	1000	500	100	12	mg/kg	0.26		1.2		0.2	J	0.36		0.33		0.26		0.34		0.83		0.31		0.38		0.73		0.84		1.3		1.4		1		0.37		0.94		0.93		0.54		0.27		0.072	J
Phenanthrene	85-01-8	1000	500	100	100	mg/kg	0.48		1.2		0.18		0.46		0.71		0.28		0.45		0.57		0.4		0.68		0.81		0.9		1.3		1		1.4		2.6		0.69		0.55		0.43		0.2		0.3	
Phenol	108-95-2	1000	500	100	0.33	mg/kg	0.2	U	0.79	U	0.24	U	0.23	U	0.27	U	0.24	U	0.25	U	0.27	U	0.25	U	0.24	U	0.25	U	0.25	U	0.26	U	0.089	J	0.17	J	0.15	J	0.14	J	0.23	U	0.29	U	0.24	U	0.24	U
Pyrene	129-00-0	1000	500	100	100	mg/kg	0.61		1.2		0.21		0.81		1.1		0.36		1		1.6		1.5		1.5		0.63		0.56		0.84		1.1		1.7		2.5		1.6		0.5		0.41		0.23		0.21	
Total Metals																																															
Arsenic, Total	7440-38-2	16	16	16	13	mg/kg	10.5		187		20.2		21		15.8		44.9		82.5		23.3		12.3		18.7		41.7		39.7		74.7		16.9		46.6		24.8		25.8		25.6		40		94.5		119	
Barium, Total	7440-39-3	10000	400	350	350	mg/kg	103		96.2		43.6		51.1		68.7		58.8		68.6		62.9		32		50.1		73.8		50.2		79.2		80.5		52		536		396		40.6		299		85.7		105	
Cadmium, Total	7440-43-9	60	9.3	2.5	2.5	mg/kg	0.258	J	1.64		1.08		1		0.94		1.94		3.71		1.82		0.881		1.76		1.26		0.201	J	1.46		0.911		0.681	J	22.7		11		1.8		8.74		6.2		9.97	
Chromium, Total	7440-47-3					mg/kg	68.9		58		15.4		7.97		6.7		26.3		52.5		16.5		7.15		12.1		24.6		16.7		34.9		27.2		19.2		309		149		42.7		149		399		768	
Lead, Total	7439-92-1	3900	1000	400	63	mg/kg	71.9		250		99.3		123		81		161		260		125		91.7		126		169		128		191		216		132		1680		1200		84		727		240		267	
Mercury, Total	7439-97-6	5.7	2.8	0.81	0.18	mg/kg	0.07	J	0.243		0.111		0.122		0.124		0.12		0.369		0.144		0.191		0.156		0.508		0.229		0.242		3.27		1.81		20.7		32.9		6.3		5.74		1.19		1.94	
Selenium, Total	7782-49-2	6800	1500	36	3.9	mg/kg	0.487	J	1.73		1.88		1.31		1.44		1.58		2.04		1.79		0.899	J	1.26		1.38		1.19	J	1.55		1.05	J	0.826	J	2.95		2.6		3.1		2.71		3.26		3.3	
Silver, Total	7440-22-4	6800	1500	36	2	mg/kg	0.159	J	0.49	J	0.182	J	0.172	J	0.662	U	0.346	J	0.55	J	0.345	J	0.201	J	0.223	J	0.224	J	0.609	U	0.26	J	0.326	J	0.765	U	2.66		2.07		0.246	J	1.85		1.34		2.15	

* Comparison is not performed on parameters with non-numeric criteria.

Definitions

J = Estimated value; result is less than the sample quantitation limit but greater than zero.

U = Not detected at the reported detection limit for the sample.

NY-RESI: New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-RESC: New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-RESR: New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

Table 3
Extended Off-Site Location (EOL) Analytical Data Summary
Hurwitz Company Site
267 Marilla Street
Buffalo NY, 14220
Site ID 915290 IRM Summary Letter

LOCATION							EOL-1S		EOL-2S		EOL-3S		EOL-4S		EOL-5S		EOL-6S		EOL-7S		EOL-8S		EOL-1E		EOL-2E		EOL-3E		EOL-4E		EOL-5E		EOL-6E		EOL-7E		FIELD DUP	
SAMPLING DATE							3/13/2019		3/13/2019		3/13/2019		3/13/2019		3/13/2019		3/14/2019		3/14/2019		3/14/2019		3/14/2019		3/14/2019		3/14/2019		3/14/2019		3/14/2019		3/14/2019		3/14/2019		3/14/2019	
LAB SAMPLE ID							L1910018-01		L1910018-02		L1910018-03		L1910018-04		L1910018-05		L1910018-06		L1910018-07		L1910018-08		L1910017-01		L1910017-02		L1910017-03		L1910017-04		L1910017-05		L1910017-06		L1910017-07		L1910017-08	
SAMPLE TYPE							SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)							0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5		0.0-0.5	
	CasNum	NY-RESI	NY-RESC	NY-RESR	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry																																						
Solids, Total	NONE					%	36.5		67.1		63.8		41.1		46		58.2		60.2		55.4		67.3		54.8		47.3		58.6		59		65.8		52.3		63.2	
Polychlorinated Biphenyls																																						
Aroclor 1016	12674-11-2	25	1	1	0.1	mg/kg	0.0908	U	0.0467	U	0.0513	U	0.0799	U	0.0722	U	0.0564	U	0.0535	U	0.0582	U	0.0466	U	0.0583	U	0.0691	U	0.0557	U	0.0552	U	0.0494	U	0.0609	U	0.0521	U
Aroclor 1221	11104-28-2	25	1	1	0.1	mg/kg	0.0908	U	0.0467	U	0.0513	U	0.0799	U	0.0722	U	0.0564	U	0.0535	U	0.0582	U	0.0466	U	0.0583	U	0.0691	U	0.0557	U	0.0552	U	0.0494	U	0.0609	U	0.0521	U
Aroclor 1232	11141-16-5	25	1	1	0.1	mg/kg	0.0908	U	0.0467	U	0.0513	U	0.0799	U	0.0722	U	0.0564	U	0.0535	U	0.0582	U	0.0466	U	0.0583	U	0.0691	U	0.0557	U	0.0552	U	0.0494	U	0.0609	U	0.0521	U
Aroclor 1242	53469-21-9	25	1	1	0.1	mg/kg	0.0908	U	0.0467	U	0.0513	U	0.0799	U	0.0722	U	0.0564	U	0.0535	U	0.0582	U	0.0466	U	0.0583	U	0.0691	U	0.0557	U	0.0552	U	0.0494	U	0.0609	U	0.0521	U
Aroclor 1248	12672-29-6	25	1	1	0.1	mg/kg	0.201		0.0467	U	0.0152	J	0.026	J	0.0234	J	0.0183	J	0.0171	J	0.0582	U	0.0332	J	0.0796		0.0153	J	0.0153	J	0.0192	J	0.0121	J	0.0609	U	0.0457	J
Aroclor 1254	11097-69-1	25	1	1	0.1	mg/kg	0.288		0.0467	U	0.0489	J	0.0598	J	0.05	J	0.0417	J	0.0372	J	0.0886		0.101		0.163		0.0326	J	0.0284	J	0.0404	J	0.026	J	0.0178	J	0.0843	
Aroclor 1260	11096-82-5	25	1	1	0.1	mg/kg	0.181		0.087		0.0914		0.0644	J	0.0427	J	0.0357	J	0.0256	J	0.0766		0.104		0.174		0.0196	J	0.0308	J	0.0332	J	0.0246	J	0.0123	J	0.0709	
Aroclor 1262	37324-23-5	25	1	1	0.1	mg/kg	0.0908	U	0.0467	U	0.0513	U	0.0799	U	0.0722	U	0.0564	U	0.0535	U	0.0582	U	0.0466	U	0.0583	U	0.0691	U	0.0557	U	0.0552	U	0.0494	U	0.0609	U	0.0521	U
Aroclor 1268	11100-14-4	25	1	1	0.1	mg/kg	0.0908	U	0.0467	U	0.0513	U	0.0799	U	0.0722	U	0.0564	U	0.0535	U	0.0582	U	0.0539		0.0583	U	0.0114	JP	0.0557	U	0.0552	U	0.0494	U	0.0609	U	0.0521	U
PCBs, Total	1336-36-3	25	1	1	0.1	mg/kg	0.67		0.087		0.156	J	0.15	J	0.116	J	0.0957	J	0.0799	J	0.165		0.292	J	0.417		0.0789	J	0.0745	J	0.0928	J	0.0627	J	0.0301	J	0.201	J
Semivolatile Organics																																						
1,2,4,5-Tetrachlorobenzene	95-94-3					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
2,3,4,6-Tetrachlorophenol	58-90-2					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
2,4,5-Trichlorophenol	95-95-4					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
2,4,6-Trichlorophenol	88-06-2					mg/kg	0.27	U	0.15	U	0.15	U	0.24	U	0.21	U	0.17	U	0.16	U	0.18	U	0.15	U	0.18	U	0.21	U	0.17	U	0.16	U	0.15	U	0.19	U	0.16	U
2,4-Dichlorophenol	120-83-2					mg/kg	0.41	U	0.22	U	0.23	U	0.36	U	0.32	U	0.25	U	0.25	U	0.26	U	0.22	U	0.27	U	0.31	U	0.26	U	0.25	U	0.22	U	0.28	U	0.23	U
2,4-Dimethylphenol	105-67-9					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
2,4-Dinitrophenol	51-28-5					mg/kg	2.2	U	1.2	U	1.2	U	1.9	U	1.7	U	1.4	U	1.3	U	1.4	U	1.2	U	1.4	U	1.7	U	1.4	U	1.3	U	1.2	U	1.5	U	1.2	U
2,4-Dinitrotoluene	121-14-2					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
2,6-Dinitrotoluene	606-20-2					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
2-Chloronaphthalene	91-58-7					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
2-Chlorophenol	95-57-8					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
2-Methylnaphthalene	91-57-6					mg/kg	0.47	J	0.31		0.1	J	0.26	J	0.14	J	0.52		0.69		0.95		0.42		1.7		0.18	J	0.059	J	0.33	U	0.032	J	0.12	J	1.4	
2-Methylphenol	95-48-7	1000	500	100	0.33	mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
2-Nitroaniline	88-74-4					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
2-Nitrophenol	88-75-5					mg/kg	0.98	U	0.53	U	0.55	U	0.86	U	0.77	U	0.61	U	0.6	U	0.64	U	0.53	U	0.64	U	0.76	U	0.61	U	0.6	U	0.54	U	0.68	U	0.56	U
3,3'-Dichlorobenzidine	91-94-1					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	1000	500	34	0.33	mg/kg	0.38	J	0.35	U	0.37	U	0.58	U	0.34	J	0.045	J	0.066	J	0.41	J	0.35	U	0.14	J	0.48	J	0.41	U	0.4	U	0.36	U	0.49		0.37	U
4,6-Dinitro-o-cresol	534-52-1					mg/kg	1.2	U	0.64	U	0.67	U	1	U	0.93	U	0.73	U	0.72	U	0.77	U	0.64	U	0.77	U	0.91	U	0.74	U	0.72	U	0.64	U	0.82	U	0.68	U
4-Bromophenyl phenyl ether	101-55-3					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
4-Chloroaniline	106-47-8					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
4-Chlorophenyl phenyl ether	7005-72-3					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
4-Nitroaniline	100-01-6					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
4-Nitrophenol	100-02-7					mg/kg	0.64	U	0.34	U	0.36	U	0.56	U	0.5	U	0.39	U	0.38	U	0.41	U	0.34	U	0.41	U	0.49	U	0.4	U	0.38	U	0.35	U	0.44	U	0.36	U
Acenaphthene	83-32-9	1000	500	100	20	mg/kg	0.36	U	0.2	U	0.2	U	0.32	U	0.28	U	0.036	J	0.04	J	0.044	J	0.044	J	0.12	J	0.28	U	0.23	U	0.22	U	0.2	U	0.25	U	0.083	J
Acenaphthylene	208-96-8	1000	500	100	100	mg/kg	0.073	J	0.18	J	0.078	J	0.32	U	0.28	U	0.17	J	0.19	J	0.31		0.14	J	0.23	J	0.28	U	0.23	U	0.22	U	0.2	U	0.25	U	0.13	J
Acetophenone	98-86-2					mg/kg	0.16	J	0.043	J	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.099	J	0.07	J	0.26	J	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
Anthracene	120-12-7	1000	500	100	100	mg/kg	0.27	U	0.15		0.065	J	0.24	U	0.21	U	0.36		0.21		0.24		0.17		0.37		0.21	U	0.17	U	0.16	U	0.15	U	0.19	U	0.29	
Atrazine	1912-24-9					mg/kg	0.36	U	0.2	U	0.2	U	0.32	U	0.28	U	0.22	U	0.22	U	0.24	U	0.2	U	0.24	U	0.28	U	0.23	U	0.22	U	0.2	U	0.25	U	0.21	U
Benzaldehyde	100-52-7					mg/kg	0.57	J	0.32	U	0.34	U	0.53	U	0.47	U	0.35	J	0.36	U	0.39	U	0.32	U	0.39	U	0.46	U	0.38	U	0.36	U	0.33	U	0.42	U	0.32	J
Benzo(a)anthracene	56-55-3	11	5.6	1	1	mg/kg	0.3		0.49		0.29		0.29		0.18	J	0.71		0.65		1.2		0.64		1		0.079	J	0.062	J	0.16	U	0.051	J	0.078	J	0.67	
Benzo(a)pyrene	50-32-8	1.1	1	1	1	mg/kg	0.29	J	0.68		0.28		0.29	J	0.18	J	0.52		0.51		0.84		0.66		0.81		0.28	U	0.23	U	0.22	U	0.2	U	0.25	U	0.5	
Benzo(b)fluoranthene	205-99-2	11	5.6	1	1	mg/kg	0.51		1.3		0.55		0.43		0.25		1		1.1		1.5		1.4		1.6		0.1	J	0.087	J	0.16	U	0.072	J	0.11	J	1	
Benzo(ghi)perylene	191-24-2	1000	500	100	100	mg/kg	0.19	J	0.5		0.18	J	0.19	J	0.11	J	0.33		0.34		0.41		0.47		0.51		0.05	J	0.039	J	0.22	U	0.037	J	0.044	J	0.28	
Benzo(k)fluoranthene	207-08-9	110	56	1	0.8	mg/kg	0.15	J	0.3		0.14	J	0.15	J	0.091	J	0.25		0.26		0.45		0.36		0.54		0.21	U	0.17	U	0.16	U	0.15	U	0.19	U	0.28	
Biphenyl	92-52-4					mg/kg	1	U	0.56	U	0.58	U	0.91	U	0.81	U	0.071	J	0.092	J	0.11	J	0.073	J	0.23	J	0.8	U	0.65	U	0.63	U	0.57	U	0.72	U	0.2	J
Bis(2-chloroethoxy)methane	111-91-1					mg/kg	0.49	U	0.26	U	0.28	U	0.43	U	0.38	U	0.3	U	0.3	U	0.32	U	0.26	U	0.32	U	0.38	U	0.31	U	0.3	U	0.27	U	0.34	U	0.28	U
Bis(2-chloroethyl)ether	111-44-4					mg/kg	0.41	U	0.22	U	0.23	U	0.36	U	0.32	U	0.25	U	0.25	U	0.26	U	0.22	U	0.27	U	0.31	U	0.26	U	0.25	U	0.22	U	0.28	U	0.23	U
Bis(2-chloroisopropyl)ether	108-60-1					mg/kg	0.54	U	0.29	U	0.31	U	0.48	U	0.43	U	0.34	U	0.33	U	0.35	U	0.29	U	0.35	U	0.42	U	0.34	U	0.33	U	0.3	U	0.38	U	0.31	U
Bis(2-ethylhexyl)phthalate	117-81-7					mg/kg	0.45	U	0.24	U	0.26	U	0.21	J	0.36	U	0.14	J	0.14	J	0.3	U	0.24	U	1.4		0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
Butyl benzyl phthalate	85-68-7					mg/kg	0.41	J	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
Caprolactam	105-60-2					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
Carbazole	86-74-8					mg/kg	0.073	J	0.069	J	0.028	J	0.044	J	0.36	U	0.078	J	0.089	J	0.082	J	0.13	J	0.17	J	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.12	J
Chrysene	218-01-9	110	56	1	1	mg/kg	0.36		0.64		0.31		0.32		0.19	J	1		0.97		1.1		0.76		1.2		0.094	J	0.063	J	0.16	U	0.055	J	0.088	J	0.83	
Di-n-butylphthalate	84-74-2					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
Di-n-octylphthalate	117-84-0					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
Dibenzo(a,h)anthracene	53-70-3	1.1	0.56	0.33	0.33	mg/kg	0.27	U	0.13	J	0.046	J	0.05	J	0.21	U	0.1	J	0.11	J	0.14	J	0.12	J	0.15	J	0.21	U	0.17	U	0.16	U	0.15	U	0.19	U	0.088	J
Dibenzofuran	132-64-9	1000	350	14	7	mg/kg	0.15	J	0.12	J	0.041	J	0.082	J	0.045	J	0.18	J	0.22	J	0.27	J	0.22	J	0.72		0.05	J	0.28	U	0.28	U	0.25	U	0.039	J	0.62	
Diethyl phthalate	84-66-2					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
Dimethyl phthalate	131-11-3					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
Fluoranthene	206-44-0	1000	500	100	100	mg/kg	0.38		0.49		0.4		0.39		0.27		1.1		1.1		2.1		0.94		1.4		0.1	J	0.082	J	0.035	J	0.074	J	0.1	J	0.88	
Fluorene	86-73-7	1000	500	100	30	mg/kg	0.45	U	0.028	J	0.26	U	0.4	U	0.36	U	0.06	J	0.074	J	0.073	J	0.057	J	0.16	J	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.14	J
Hexachlorobenzene	118-74-1	12	6	0.33	0.33	mg/kg	0.27	U	0.15	U	0.15	U	0.24	U	0.21	U	0.17	U	0.16	U	0.18	U	0.15	U	0.18	U	0.21	U	0.17	U	0.16	U	0.15	U	0.19	U	0.16	U
Hexachlorobutadiene	87-68-3					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
Hexachlorocyclopentadiene	77-47-4					mg/kg	1.3	U	0.7	U	0.73	U	1.1	U	1	U	0.8	U	0.79	U	0.84	U	0.7	U	0.84	U	1	U	0.81	U	0.79	U	0.71	U	0.9	U	0.74	U
Hexachloroethane	67-72-1					mg/kg	0.36	U	0.2	U	0.2	U	0.32	U	0.28	U	0.22	U	0.22	U	0.24	U	0.2	U	0.24	U	0.28	U	0.23	U	0.22	U	0.2	U	0.25	U	0.21	U
Indeno(1,2,3-cd)pyrene	193-39-5	11	5.6	0.5	0.5	mg/kg	0.2	J	0.53		0.2	J	0.2	J	0.12	J	0.37		0.37		0.5		0.5		0.6		0.049	J	0.041	J	0.22	U	0.037	J	0.048	J	0.32	
Isophorone	78-59-1					mg/kg	0.41	U	0.22	U	0.23	U	0.36	U	0.32	U	0.25	U	0.25	U	0.26	U	0.22	U	0.27	U	0.31	U	0.26	U	0.25	U	0.22	U	0.28	U	0.23	U
n-Nitrosodi-n-propylamine	621-64-7					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
Naphthalene	91-20-3	1000	500	100	12	mg/kg	0.56		0.42		0.16	J	0.29	J	0.16	J	0.52		0.65		0.95		0.46		2		0.17	J	0.083	J	0.038	J	0.041	J	0.11	J	1.5	
NDPA/DPA	86-30-6					mg/kg	0.36	U	0.2	U	0.2	U	0.32	U	0.28	U	0.22	U	0.22	U	0.24	U	0.2	U	0.24	U	0.28	U	0.23	U	0.22	U	0.2	U	0.25	U	0.21	U
Nitrobenzene	98-95-3					mg/kg	0.41	U	0.22	U	0.23	U	0.36	U	0.32	U	0.25	U	0.25	U	0.26	U	0.22	U	0.27	U	0.31	U	0.26	U	0.25	U	0.22	U	0.28	U	0.23	U
p-Chloro-m-cresol	59-50-7					mg/kg	0.45	U	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.3	U	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.26	U
Pentachlorophenol	87-86-5	55	6.7	2.4	0.8	mg/kg	0.36	U	0.2	U	0.2	U	0.32	U	0.28	U	0.22	U	0.22	U	0.24	U	0.2	U	0.24	U	0.28	U	0.23	U	0.22	U	0.2	U	0.25	U	0.21	U
Phenanthrene	85-01-8	1000	500	100	100	mg/kg	0.34		0.26		0.13	J	0.3		0.17	J	0.66		0.74		0.61		0.67		1.2		0.14	J	0.069	J	0.16	U	0.051	J	0.12	J	1.2	
Phenol	108-95-2	1000	500	100	0.33	mg/kg	0.11	J	0.24	U	0.26	U	0.4	U	0.36	U	0.28	U	0.28	U	0.3	U	0.24	U	0.054	J	0.35	U	0.28	U	0.28	U	0.25	U	0.32	U	0.046	J
Pyrene	129-00-0	1000	500	100	100	mg/kg	0.38		0.48		0.37		0.36		0.23		1		1.1		2		0.8		1.3		0.089	J	0.067	J	0.028	J	0.06	J	0.084	J	0.77	
Total Metals																																						
Arsenic, Total	7440-38-2	16	16	16	13	mg/kg	64		83.2		75.8		219		226		247		267		163		55.1		214		12.4		14.1		13		14.2		16.7		178	
Barium, Total	7440-39-3	10000	400	350	350	mg/kg	115		72.6		53.1		102		88.3		71.9		81.7		75.7		101		95.6		37.1		66.2		63.1		61.2		55.9		92.4	
Cadmium, Total	7440-43-9	60	9.3	2.5	2.5	mg/kg	4.28		2.36		2.67		5.35		4.55		4.59		5.43		9.29		1.62		4.31		0.645	J	0.491	J	0.561	J	0.305	J	0.738	J	4.08	
Chromium, Total	7440-47-3					mg/kg	113		69.7		97.4		82		55.4		43.3		53.5		50.5		113		98.7		19.3		198		370		63.1		35.1		60.7	
Lead, Total	7439-92-1	3900	1000	400	63	mg/kg	384		151		174		437		308		251		298		380		287		472		106		122		126		115		162		391	
Mercury, Total	7439-97-6	5.7	2.8	0.81	0.18	mg/kg	0.874		0.129		0.16		0.484		0.368		0.169		0.169		0.167		0.357		0.357		0.119	J	0.316		0.256		0.159		0.13		0.485	
Selenium, Total	7782-49-2	6800	1500	36	3.9	mg/kg	3.24		1.74		2.12		3.78		2.81		2.49		2.79		2.17		3.56		4.42		1.6	J	2.08		2.81		2.03		2.38		4.26	
Silver, Total	7440-22-4	6800	1500	36	2	mg/kg	1.1		0.518	J	0.754		1.06		0.858		0.81		0.944		11.1		0.567	U	0.72	U	0.826	U	0.655	U	0.637	U	0.597	U	0.745	U	0.206	J

* Comparison is not performed on parameters with non-numeric criteria.
ND: Non-Detect
U: Denotes Non-Detectable by Laboratory
J: Denotes Estimate by Laboratory

NY-RESI:	New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESC:	New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESR:	New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-UNRES:	New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.