APPENDIX I

Data Usability Summary Report for Remedial Investigation Data

MEMORANDUM

Date: September 14, 2021

To: Jeffrey Wills, Roux Environmental Engineering and Geology, D.P.C.

From: Josh Cope, Roux Associates, Inc.

Subject: **Data Usability Summary Report (DUSR)**
Validation of Laboratory Analytical Data for 2-33 50th Avenue, Long Island City, New York
Alpha Analytical SDG Nos.: L2137321; L2137326; L2137704; L2137880; L2138333; L2138378; L2138557; L2138569; L2138743; L2138761; L2139080; L2139084; L2139379; L2139531; L2139974; L2140045; L2140226; L2140250; l2140491; L2140493; L2140552; L2142420 L2142439; L2142480; L2142499.

Review has been completed for the data packages generated by Alpha Analytical of Westborough, Massachusetts and Alpha Analytical of Mansfield, Massachusetts. The data packages pertain to samples collected during July 2021 through August 2021 at 2-33 50th Avenue, Long Island City, New York. Groundwater samples were analyzed for volatiles, semivolatiles, pesticides, PCBs, herbicides, metals, cyanide, hexavalent chromium and perfluorinated hydrocarbons (PFC). Soil samples were analyzed for volatiles, semivolatiles, pesticides, PCBs, herbicides, metals, cyanide, hexavalent chromium and PFCs. Soil vapor samples were analyzed for volatiles.

The data packages submitted by the laboratory contain full deliverables for validation. This usability report is generated from review of the QC summary form information, full review of sample raw data, and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, in accordance with the project QAPP, with guidance from USEPA national and regional validation guidance, and in consideration of the specific analytical method requirements. The following items were reviewed:

- Data completeness;
- Case narrative;
- Custody documentation;
- Holding times;
- Surrogate and internal standard recoveries;
- Trip, method, and field blanks;
- Matrix spikes and duplicates;
- Field duplicates;
- Laboratory control samples;
- Instrument tunes checks;
- Initial calibrations;
- Calibration checks;
- Isotope dilutions;

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California ■ Illinois ■ Massachusetts ■ New Jersey ■ New York ■ Texas

- Method compliance; and
- Analytical result verification.

The data review includes evaluation of the items noted in the NYS DER-10 Appendix 2B Section 2.0(c). Deficiencies noted during data review are discussed within the following text. The laboratory QC forms discussed herein can be found within the laboratory data packages.

The sample analyses were performed in general accordance with analytical protocols, and sample results are usable as reported or with minor qualifications as discussed herein.

Some samples were diluted due to extract or matrix effects. This resulted in elevated reporting limits for those samples. Sample results which exceed the calibration range are qualified with an "E" flag, for any analytes that exceed the calibration range.

Data completeness, accuracy, precision, representativeness, and comparability are acceptable. The validator qualifications recommended in this report are provided on the EDDs.

Perfluorinated Hydrocarbons by EPA E537-LL

One or more internal standard (IS) responses are below criteria for samples L2137321-07, L2142439-03, L2142439-04. The associated sample results are qualified as approximate.

The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria for one or more analytes in the following samples: L2137880-01, and -09; L2138378-01; and L2142439-01, -02, -04, -08, -09, -10 and -11. The sample results for these analytes are qualified as estimated.

Perfluorohexanoic acid (PFHXA) is detected in field blank for SDG L2137321 at less than the reporting limit. The associated sample detections less than the reporting limit are qualified as "B" to indicate detection of PFHXA in the blank.

Volatiles by EPA TO-15

The associated QC data were acceptable.

Volatile Organic Compounds by EPA 8260

Acetone is detected in trip blank for SDG L2142420 at less than the reporting limit. The associated sample detections less than the reporting limit are qualified as "B" to indicate detection of acetone in the blank.

One or more surrogate recoveries are above criteria for the following samples: L2137326-07 and -08. The results for these samples are qualified biased high.

One or more surrogate recoveries are below criteria for the following sample: L2139080-01 and -02. The results for these samples are qualified biased low.

Samples L2138743-03, L2140226-01, L2140226-04 were analyzed by both High Level Methanol and Low Level methods. Differences between the results of both analyses are greater than 50% and may be due to vial discrepancies. The Low Level results are reported. These detections are estimated.

Sample L2142480-01 was analyzed for 1,4-dioxane by SW846 Methods 8260C and 8270D-SIM. The 1,4-dioxane result for this sample will be reported from the 8270D-SIM analysis, which has a lower reporting limit.

The MS/MSD and laboratory duplicates had acceptable recoveries and/or RPDs with the following exceptions outside control limits:

- Several analytes in samples L2137704-01 and L2137704-11;

The detections of these analytes in the parent samples are qualified as estimated.

Semivolatile Organic Compounds by EPA 8270

Naphthalene and 2-methyl naphthalene are detected in method blank for SDG 2142480. The associated sample detections are qualified as "B" to indicate detection of these analytes in the blank.

The method blank for SDGs L2137704 and L2142420 has tentatively identified compounds (TICs) detected. The results are qualified with a "B" for any associated samples that have detections of the same TICs.

Fluoranthene, phenanthrene, and pyrene are detected in field blank for SDG L2142420 at less than the reporting limit. The associated sample detections less than the reporting limit are qualified as "B" to indicate detection of these analytes in the blank.

One or more base/neutral surrogate recoveries are above criteria for the following samples: L2137326-08. The associated results for these samples are qualified biased high.

One or more acid surrogate recoveries are below criteria for the following samples: L2137704-01. The associated results for these samples are qualified biased low.

The MS/MSD had acceptable recoveries and/or RPDs with the following exceptions outside control limits:

- Several analytes in samples L2137704-01 and -11.

The detections of these analytes in the parent samples are qualified as estimated.

The field duplicate pair RPDs met criteria with the following exceptions:

- Naphthalene in duplicate pair L2137704-01/-02.
- Naphthalene and 2-methylnaphthalene in duplicate pair L2142420-01/-02.

The associated analytes in the duplicate pair have been qualified as estimated.

Pesticides by EPA 8081

The %RPD between the primary and confirmation column exceeded 40% for one or more compounds in the following samples: L2137326-02; L2137704-01, -02, and -11; L2139080-05; L2139379-01; L2139974-01; and L2140226-01. The lower value has been reported and qualified as estimated.

One or more surrogate recoveries are above criteria for the following samples: L2137704-08. The associated results for these samples are qualified biased high.

PCBs by EPA 8082

The associated QC data were acceptable.

Herbicides by EPA 8151

The associated QC data were acceptable.

Metals by EPA 6020/7470/7471

Dissolved barium, calcium, iron, manganese, and thallium, and total barium and thallium are detected in the field blank for SDG L2142420 at less than the reporting limit. The associated sample detections less than the reporting limit are qualified as "B" to indicate detection of these analytes in the blank.

Dissolved aluminum and total zinc are detected in the field blank for SDG L2142420 above the reporting limit. The associated sample detections less than five times the blank concentration are qualified as "B" to indicate detection of these analytes in the blank.

The MS/MSD and laboratory duplicates had acceptable recoveries and/or RPDs with the following exceptions outside control limits:

- Antimony, calcium, and lead sample L2137704-01;
- Mercury in sample L2137704-11;
- Magnesium and mercury in sample L2137704-11/-12;
- Arsenic, cadmium, chromium, cobalt, manganese, lead, zinc, nickel, and thallium in sample L238743-03;
- Barium, chromium, copper, lead, magnesium, and zinc in sample L2139080-01; and
- Antimony, aluminum, calcium, chromium, cobalt, silver, lead, mercury, barium, magnesium, thallium, and zinc in sample L2140226-01.

The detections of these analytes in the parent samples are qualified as estimated.

The field duplicate pair RPDs met criteria with the following exceptions:

- Calcium and zinc in duplicate pair L2137704-01/-02; and
- Magnesium and mercury in duplicate pair L2137704-11/-12.

The associated analytes in the duplicate pairs have been qualified as estimated.

Cyanide by EPA 9012

The LCS/LCSD had acceptable recoveries and/or RPDs with the following exceptions outside control limits: low recovery for cyanide in SDGs L2137326, L2137704, L2138333, L2138557, L2138743, L2139080, L2139379, L2140226, L2140491, and L2142420. The associated sample results are qualified biased low.

Hexavalent Chromium by EPA 7196A

The LCS had acceptable recoveries with the following exceptions outside control limits: low recovery for hexavalent chromium in SDGs L2139080. The associated sample results are qualified biased low.

The MS and laboratory duplicates had acceptable recoveries and/or RPDs with the following exceptions outside control limits: L2138743-03, L2140491-02. The detections of hexavalent chromium in the parent samples are qualified as estimated.

APPENDIX J

Groundwater Sampling Forms

Well Sampling Data Form

Client: ADV ~~Vorta Group 50th & 5th LIC LLC~~ Project Number: 2887.00044000

Site Location: 2-3350th Ave, Long Island City, NY

Well No: MW-12 Weather: clear, 73°F

Date: 8/6/21 Purge Water Disposal: drum

Sampled By: SS Well Diameter / Type: 2" PVC

Depth of Well (ft): 19.23 Water Column (ft): 11.76

Depth to Water(ft): 7.47 Volume of Water in Well (gal) 1.91

Depth to Product (ft): — Volume of Water to Remove (gal): 5.73

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 0735 Purge Rate: 150 ml/min

End Purging: 0850 Volume of Water Removed (gal): 5gal

Method of Purge: peri Method of Sampling: low-flow

Physical Appearance/ Comments: [redacted], clear, some sediment, no odor

Samples Collected: (analyses / no. bottles) see coc DUP-GW-08062021 + MS/MSD

Time: 0850 Laboratory: Alpha

DUP @ 1200

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)	
0745	7.56	150	115	0.723	682	6.68	17.75	[redacted]	8.67
0754	7.48	|	103	0.703	0.0	6.97	19.23	[redacted]	6.02
0759	7.49	|	91	0.699	301	6.96	18.68	5.50	
0804	7.49	|	104	0.705	206	6.98	18.54	1.00	
0809	7.49	|	126	0.710	193	6.98	18.60	0.52	
0814	7.49	|	165	0.716	176	6.97	18.48	1.60	
0819	7.49	|	188	0.720	177	6.96	18.45	1.23	
0824	7.49	|	196	0.722	181	6.94	18.32	0.20	
0829	7.49	|	198	0.724	156	6.94	18.23	0.00	
0834	7.49	|	193	0.725	138	6.93	18.20	0.00	
0839	7.49	|	178	0.725	141	6.94	18.11	0.00	
0844	7.49	|	173	0.724	129	6.94	18.14	0.00	
0849	7.49	↓	168	0.724	125	6.95	18.19	0.00	

cleared/ recommenced flowing

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Well Sampling Data Form

Client: 50th & 5th LIC, LLC Project Number: 2887.0004/000

Site Location: 2-33 50th Ave, Long Island City, NY

Well No: MW-13 Weather: sunny 75°F

Date: 8/6/21 Purge Water Disposal: Drum

Sampled By: BW Well Diameter / Type: 2" Sch 40 PVC

Depth of Well (ft): 17.42 Water Column (ft): 9.97

Depth to Water (ft): 7.45 Volume of Water in Well (gal): 1.62

Depth to Product (ft): NP Volume of Water to Remove (gal): 4.86

well diameter	1 in	2 in	4 in	6 in	8 in
gallons per foot	0.041	0.161	0.653	1.469	2.611

Start Purging: 950 Purge Rate: 150 ml/min

End Purging: 1030 Volume of Water Removed (gal): 5.30

Method of Purge: low-flow Method of Sampling: low flow

Physical Appearance/ Comments: clear, some sediment

Samples Collected (analyses / no. bottles): Full TCL/PP75 + EC2

Time: 1030 Laboratory: Alpha

Field Measurements:

Time	pH	Flow Rate	ORP	Conductivity	Turbidity	pH	Temperature	Dissolved O2
		ml/min	mV	mS/m - S/m	NTU	SU	C° - F°	mg/l
			(+/- 10 mV)	(+/- 3%)	(+/- 10%)	(+/- 0.1)	(+/- 3%)	(+/- 10%)
950	7.45		-35	1.79	427	6.33	21.10	11.78
955	7.44		-44	1.80	467	6.44	21.16	11.50
1000	7.44		-53	1.79	672	6.24	21.86	4.17
1005	7.43		-59	1.91	[illegible]	6.22	22.12	0.09
1010	7.42		-62	9.8	10.3	6.20	22.16	0.00
1015	7.43		-63	8.6	9.4	6.17	22.17	0.00
1020	7.43		-64	1.23	9.6	6.16	22.16	0.00
1025	7.43		-65	1.79	9.8	6.15	22.17	0.00
1030	7.43		-65	1.79	8.7	6.14	22.23	0.00

Well Sampling Data Form

Client: 50th & 5th LIC LLC Project Number: 2887.0004Y000

Site Location: Parking Lot 2-33 50th Ave, Long Island City, NY

Well No: MW-14

Date: 8/6/21

Sampled By: BV

Weather: Sunny, 75°F

Purge Water Disposal: Drum

Well Diameter / Type: 2" sch 40 PVC

Depth of Well (ft): 19.87'

Depth to Water(ft): ~~19.87~~ 9.01

Depth to Product (ft): NP

Water Column (ft): 10.86

Volume of Water in Well (gal): 1.77

Volume of Water to Remove (gal): 5.31

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot	0.041	0.163	0.653	1.469	2.611

Purge Rate: 150mL/min

Start Purging: 800

End Purging: 900

Volume of Water Removed (gal): 5 gal

Method of Purge: low-flow

Method of Sampling: low-flow

Physical Appearance/ Comments: clear, some sediment

Samples Collected: (analyses / no. bottles) Full TCL/P375 + ECs

Time: 900

Laboratory: Alpha

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
800	8.20		-75	0.752	365	6.39	20.65	13.40
805	7.15		-50	0.690	373	6.26	20.62	13.28
810	7.05		-58	0.686	337	6.33	21.41	10.91
815	7.02		-63	0.685	301	6.37	21.98	8.26
820	7.01		-72	0.686	298	6.36	21.99	6.78
825	7.00		-69	0.685	210	6.38	22.00	5.67
830	6.98		-68	0.684	183	6.42	22.01	2.98
835	6.98		-75	0.684	167	6.49	22.01	1.03
840	6.95		-76	0.685	173	6.49	22.04	1.42
845	6.98		-77	0.686	174	6.49	22.08	1.30
850	6.97		-78	0.687	160	6.49	22.47	0.00
855	6.97		-80	0.690	127	6.49	22.56	0.00
900	6.96		-79	0.685	156	6.49	23.24	0.52

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FB_GW.080621 @815

Well Sampling Data Form

Client: ~~Bond group~~ BN 50th+5th LIC LLC Project Number: 2887.0004.4000

Site Location: 2-33 50th Ave, Long Island City, NY

Well No: MW-15 Weather: Sunny, 88° F

Date: 8/6/21 Purge Water Disposal: 55 gal drum

Sampled By: SS Well Diameter / Type: 2" PVC

Depth of Well (ft): 18.05 Water Column (ft): 9.37

Depth to Water(ft): 8.68 Volume of Water in Well (gal): 1.52

Depth to Product (ft): — Volume of Water to Remove (gal): 4.58

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot	0.041	0.163	0.653	1.469	2.611

Start Purging: 1252 Purge Rate: 150 ml/min

End Purging: 1357 Volume of Water Removed (gal): 4 gal

Method of Purge: peri Method of Sampling: low-flow

Physical Appearance/ Comments: cloudy, no odor, some sediment

Samples Collected: (analyses / no bottles) See COC

Time: 1400 Laboratory: Alpha

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
1255	8.74	150	-141	2.02	89.5	6.99	24.19	2.09
1300	8.81	150	-138	1.99	91.3	6.81	23.04	1.28
1305	8.81	150	-141	1.96	93.0	6.75	22.98	0.94
1310	8.80	150	-147	1.94	104	6.63	22.92	0.77
1315	8.80	150	-150	1.93	99.3	6.59	23.04	0.75
1320	8.81	150	-153	1.92	98.1	6.57	23.23	0.75
1325	8.81	150	-159	1.90	97.6	6.54	23.66	0.73
1330	8.81	150	-163	1.88	98.6	6.58	22.64	0.67
1335	8.81	150	-165	1.87	94.4	6.58	22.61	0.63
1340	8.81	150	-167	1.87	89.4	6.56	22.56	0.59
1345	8.81	150	-169	1.86	86.3	6.55	22.55	0.48
1350	8.81	150	-172	1.85	80.5	6.54	22.49	0.46
1355	8.81	150	-174	1.85	75.4	6.53	22.50	0.54

Well Sampling Data Form

Client: ADV Vanderbilt group 50th 15th LTC LLC

Site Location: 2-33 Corn Ave, Long Island City, NY

Project Number: 2887.000.44000

Well No: MW-16

Date: 8/6/21

Sampled By: SS

Weather: Sunny, 80° F

Purge Water Disposal: Drum

Well Diameter / Type: 2" Sch 40 PVC

Depth of Well (ft): 19.72

Depth to Water (ft): 8.78

Depth to Product (ft): -

Water Column (ft): 10.94

Volume of Water in Well (gal): 1.78

Volume of Water to Remove (gal): 5.34

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 1112

End Purging: 1220

Method of Purge: peri

Purge Rate: 150 ml/min

Volume of Water Removed (gal): 2 gal

Method of Sampling: low-flow

Physical Appearance/ Comments: cloudy, sulfur odor, some sediment

Samples Collected: (analyses / no. bottles) See COC.

Time: 1220

Laboratory: Alpha

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Condoctivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
1117	9.08	150	-133	1.43	98.5	7.63	24.94	0.31
1122	9.08	150	-138	1.46	96.0	7.42	22.70	0.02
1127	9.05	150	-138	1.47	94.3	7.28	21.98	0.00
1132	9.05	150	-139	1.49	90.6	7.16	21.55	0.00
1137	9.04	150	-139	1.50	90.6	7.06	21.23	0.00
1142	9.03	150	-140	1.50	94.0	7.04	20.96	0.00
1147	9.04	150	-141	1.51	96.4	7.00	20.51	0.00
1152	9.05	150	-144	1.51	93.9	7.03	20.45	0.00
1157	9.06	150	-142	1.52	117	6.97	20.31	0.00
1202	9.06	150	-141	1.52	127	6.95	20.21	0.00
1207	9.07	150	-140	1.52	130	6.90	20.19	0.00
1212	9.07	150	-140	1.53	129	6.83	20.27	0.00
1217	9.07	150	-144	1.53	126	6.87	20.40	0.00

Well Sampling Data Form

Client: 50th & 5th LIC LLC Project Number: 2887.0004Y000

Site Location: 2-33 50th Ave, Long Island City, NY

Well No: MW-18 Weather: cloudy, 70°F

Date: 8/9/21 Purge Water Disposal: drum

Sampled By: BV Well Diameter / Type: 1" schedule 40 PVC

Depth of Well (ft): 14.20 Water Column (ft): 7.58

Depth to Water (ft): 6.62 Volume of Water in Well (gal): 0.31

Depth to Product (ft): NP Volume of Water to Remove (gal): 0.93

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 830 Purge Rate: 150 mL/min

End Purging: 900 Volume of Water Removed (gal): < 1 gal

Method of Purge: low-flow Method of Sampling: low-flow

Physical Appearance/ Comments: clear, some sediment

Samples Collected: (analyses / no. bottles) Full TCL/P375 + ECs

Time: 900 Laboratory: Alpha

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in 5%10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)

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Began sampling @ 900 due to low recharge → can't started sampling w/o recording parameters

Well Sampling Data Form

Client: 50-15th LIC LLC **Project Number:** 2887.0004G00

Site Location: 2-33 50th Ave, Long Island City, NY

Well No: MW-20 **Weather:** sunny, 75°F

Date: 8/6/21 **Purge Water Disposal:** Drum

Sampled By: BV **Well Diameter / Type:** 1" sch 40 PVC w/ prepack screen

Depth of Well (ft): 12.09 **Water Column (ft):** 6.94

Depth to Water(ft): 5.15 **Volume of Water in Well (gal):** 0.28

Depth to Product (ft): NP **Volume of Water to Remove (gal):** 0.85

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 1440 **Purge Rate:** 150 mL/min

End Purging: 1500 **Volume of Water Removed (gal):** < 1 gal

Method of Purge: low-flow **Method of Sampling:** low-flow

Physical Appearance/ Comments: grey, silty

Samples Collected: (analyses / no. bottles) Full TCL/PFAS + EC's

Time: 1500 **Laboratory:** Alpha

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm - S/m (w/in 3%)	Turbidity NTU (w/in 5%10)	pH SU (+/- 0.1)	Temperature C° - K° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
1440	5.15		+81	0.265	750	5.83	22.14	9.85
1445	–	–	–	–	968			
1450	–	–	–	–				
1455	–	–	–	–				
1500	9.18		+102					

ORP

Began sampling @ 1500 due to low recharge → ran dry
started sampling w/o recording parameters

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28491-68

Well Sampling Data Form

Client: 50th & 5th LIC LLC

Site Location: 2-33 50th Ave, Long Island City, NY

Project Number: 2887.0004Y000

Well No: MW-21

Date: 8/6/21

Sampled By: SS

Weather: clear, 73°F

Purge Water Disposal: Drum

Well Diameter / Type:

Depth of Well (ft): 13.60

Depth to Water(ft): 8.05

Depth to Product (ft):

Water Column (ft): 5.55

Volume of Water in Well (gal) 0.23

Volume of Water to Remove (gal): 0.68

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot	0.041	0.163	0.653	1.469	2.611

Start Purging: 1440

End Purging: 1450

Method of Purge: peri

Purge Rate: 150 mL/min

Volume of Water Removed (gal): <1 gal

Method of Sampling: low-flow

Physical Appearance/ Comments: Attempted purge - well ran dry, sampling w/out parameters

Samples Collected: (analyses / no. bottles)

Time: 14:55

Laboratory: Alpha

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)

Well Sampling Data Form

Client: 50th + 5th LIC LLC Project Number: 2887.0004Y000

Site Location: 2-33 50th Ave, Long Island City, NY

Well No: MW-25 Weather: Sunny, 75°F

Date: 8/6/21 Purge Water Disposal: Drum

Sampled By: BV Well Diameter / Type: 2" Sch 40 PVC

Depth of Well (ft): 18.32 Water Column (ft): 10.72

Depth to Water(ft): 7.60 Volume of Water in Well (gal): ~~1.74~~ 1.74

Depth to Product (ft): NP Volume of Water to Remove (gal): 5.24

well diameter:	1 in	(2 in)	4 in	6 in	8 in
gallons per foot	0.041	0.163	0.653	1.469	2.611

Start Purging: 1105 Purge Rate: 150 mL/min

End Purging: 1205 Volume of Water Removed (gal): 5 gal

Method of Purge: low-flow Method of Sampling: low-flow

Physical Appearance/ Comments: clear

Samples Collected: (analyses / no bottles) Full TCL/P375 + EC's

Time: 1205 Laboratory: Alpha

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
1105	7.60		-98	1.41	80.2	6.17	20.74	33.42
1110	7.96		-102	1.40	48.0	6.10	20.70	1.37
1115	7.92		-103	1.40	43.1	6.09	20.83	0.00
1120	7.91		-107	1.40	76.3	6.08	20.84	0.00
1125	7.90		-111	1.38	105.2	6.05	20.93	0.00
1130	7.89		-114	1.38	107.2	6.03	21.02	0.00
1135	7.93		-118	1.39	142	6.03	20.62	0.00
1140	7.91		-123	1.39	127	6.01	20.53	0.00
1145	7.89		-124	1.39	119	6.01	20.42	0.00
1150	7.91		-127	1.39	101	5.99	20.35	0.00
1155	7.91		-128	1.40	70.8	5.97	20.35	0.00
1200	7.90		-129	1.40	60.2	5.98	20.29	0.00
1205	7.91		-131	1.40	49.8	5.96	20.32	0.00

Well Sampling Data Form

Client: 50th + 5th LIC LLC Project Number: 2887.0004Y00C

Site Location: 2-33 50th Ave, Lor, Island City, NY

Well No: MW-26 Weather: Sunny, 75°F

Date: 8/6/21 Purge Water Disposal: Drum

Sampled By: BV Well Diameter / Type: 2" Sch 40 PVC

Depth of Well (ft): 18.16 Water Column (ft): 9.35

Depth to Water(ft): 8.81 Volume of Water in Well (gal): 1.52

Depth to Product (ft): NP Volume of Water to Remove (gal): 4.57

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot	0.041	0.163	0.653	1.469	2.611

Start Purging: 1245 Purge Rate: 150mL/min

End Purging: 1340 Volume of Water Removed (gal): 5 gal

Method of Purge: low-flow Method of Sampling: low-flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) Full TCL/8375 + ECs

Time: 1340 Laboratory: Alpha

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm - S/m (w/in 3%)	Turbidity NTU (w/in 5&10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/l (w/in 10%)
1245	8.81		-99	1.05	63.5	5.86	20.46	6.57
1250	8.74		-115	1.03	80.9	5.84	20.47	9.02
1255	8.77		-118	1.03	75.5	5.84	20.52	9.67
1300	8.75		-122	1.03	66.2	5.86	20.89	10.74
1305	8.74		-125	1.03	63.4	5.88	20.92	9.01
1310	8.74		-125	1.04	62.83	5.88	20.91	8.35
1315	8.74		-127	1.04	61.47	5.87	20.94	8.01
1320	8.75		-128	1.04	61.11	5.88	21.00	7.67
1325	8.76		-129	1.04	51.32	5.88	21.01	7.14
1330	8.76		-128	1.04	49.0	5.88	21.03	6.72
1335	8.74		-128	1.04	46.9	5.88	21.00	6.55
1340	8.74		-129	1.04	49.0	5.88	21.06	6.53

APPENDIX K

Soil Vapor Sampling Forms

Soil Vapor Sampling Form
2-33 50th Avenue
Long Island City, New York

SV-11

Date: 7/22/21 Time: 700

Weather: Sunny

Temperature (Start/End): 69°F / 82°F Humidity (Start/End): 70% / 39%

Wind Magnitude (Sart/End): 6 mph / 5 mph Wind Direction (Start/End): NW / NW

Barometric Pressure (Start/End): 30.05"Hg / 30.05"Hg Precipitation (Start/End) — / —

Sampling Team: B Vella + V Riccardo

Sampling Location: Exterior Western grassy area ~~(BDA)~~ middle

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)
unpaved exposed earth

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods (if applicable).

Calibrate helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: 3 feet below land surface

Sealed at land surface/rod end: Yes

Purge Rate: 0.2 L/min Must be less than 0.2 L/min

Purge Time: 1 min note : Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubin

Helium Rate at enclosure: >10,000 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <20% of the rate at the enclosure (Y) / N

If the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 in of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? (Y) / N

Starting Pressure: -30.08 in. of Hg

Starting Time: 717 Date: 7/22/21

Ending Time: 1520 Date: 7/22/21

Ending Pressure: -6.37 in. of Hg

Summa Canister Identification #: 3014

Flow Regulator ID # 01383

Sample ID # SV-11 Time 1520

Analysis TO-15 VOCs

Laboratory Alpha

SV-12

Soil Vapor Sampling Form
2-33 50th Avenue
Long Island City, New York

Date: 7/22/21 Time: 700

Weather : Sunny

Temperature (Start/End): 69°F / 82°F Humidity (Start/End): 70% / 39%

Wind Magnitude (Sart/End): 6 mph / 15 mph Wind Direction (Start/End): NW / NW

Barometric Pressure (Start/End): 30.05"Hg / 30.05"Hg Precipitation (Start/End) - / -

Sampling Team: BVella + VRicciano

Sampling Location: Exterior Western Grassy Area ~~(southside)~~ SW south

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

unpaved exposed earth

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods (if applicable).

Calibrate helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: 3 feet below land surface

Sealed at land surface/rod end: Yes

Purge Rate: 0.2 L/min Must be less than 0.2 L/min

Purge Time: 1 min note : Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubin

Helium Rate at enclosure: >10,000 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <20% of the rate at the enclosure (Y) N

If the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 in of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? (Y) N

Starting Pressure: -29.88 in. of Hg Date: 7/22/21

Starting Time: 720

Ending Time: 1523 Date: 7/22/21

Ending Pressure: -6.65 in. of Hg

Summa Canister Identification #: 1526

Flow Regulator ID # 01279

Sample ID # SV-12 Time 1523

Analysis TO-15 VOCs

Laboratory Alpha

SV-15

Soil Vapor Sampling Form
2-33 50th Avenue
Long Island City, New York

Date: 7/22/21 Time: 700

Weather : Sunny

Temperature (Start/End): 69°F / 82°F Humidity (Start/End): 70% / 39%

Wind Magnitude (Sart/End): 6 mph / 5 mph Wind Direction (Start/End): NW / NW

Barometric Pressure (Start/End): 30.05" Hg / 30.05" Hg Precipitation (Start/End) - / -

Sampling Team: B Vella + V Ricciardo

Sampling Location: ~~Exterior Water Fountain~~ Exterior Parking Lot

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

paved asphalt

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods (if applicable).

Calibrate helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: 3 feet below land surface

Sealed at land surface/rod end: Yes

Purge Rate: 0.2 L/min Must be less than 0.2 L/min

Purge Time: 1 min note : Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubin

Helium Rate at enclosure: >10,000 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <20% of the rate at the enclosure (Y) / N

If the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 in of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? (Y) / N

Starting Pressure: -30.12 in. of Hg

Starting Time: 706 Date: 7/22/21

Ending Time: 1511 Date: 7/22/21

Ending Pressure: -5.92 in. of Hg

Summa Canister Identification #: 1642

Flow Regulator ID # 01300

Sample ID # SV-15 Time 1511

Analysis TO-15 VOCs

Laboratory Alpha

SV-17

Soil Vapor Sampling Form
2-33 50th Avenue
Long Island City, New York

+DUP_SV_07282021

Date: 7/28/21 **Time:** 0645

Weather : Sunny

Temperature (Start/End): 70-80°F Humidity (Start/End): 83%

Wind Magnitude (Sart/End): 7mph Wind Direction (Start/End): NNE

Barometric Pressure (Start/End): 29.97"Hg Precipitation (Start/End) 0

Sampling Team: Dan Mieredim

Sampling Location: SV-17

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

SW inside building hallway

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods (if applicable).

Calibrate helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: 3 feet below land surface

Sealed at land surface/rod end: Yes

Purge Rate: 0.2 L/min Must be less than 0.2 L/min

Purge Time: 1 min note : Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubin

Helium Rate at enclosure: 4550 ppm

Helium Rate from sample tubing: 0 Is this rate <20% of the rate at the enclosure (Y)/ N

If the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 in of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? (Y)/ N

Starting Pressure: -30.14 in. of Hg DUP: -30.25 in. of Hg

Starting Time: 0625 **Date:** 7-28-21

Ending Time: 1420 **Date:** 7-28-21

Ending Pressure: -10.91 in. of Hg DUP: -5.42 in. of Hg

		DUP
Summa Canister Identification #:	630	2728
Flow Regulator ID #	01658	0785
Sample ID #	SV-17	**Time** 1420
Analysis	TO-15	
Laboratory	Alpha	

SV-19

Soil Vapor Sampling Form
2-33 50th Avenue
Long Island City, New York

Date: 7-28-21 **Time:** 0645
Weather : Sunny
Temperature (Start/End): 70-80°F Humidity (Start/End): 83%
Wind Magnitude (Sart/End): 7 mph Wind Direction (Start/End): NNE
Barometric Pressure (Start/End): 29.97"Hg Precipitation (Start/End) 0

Sampling Team: Dan Mirenda
Sampling Location: SV-19
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)
East, inside building

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods (if applicable).

Calibrate helium detection meter

Utility Clearance Completed: Yes
Sampling Depth: 3 feet below land surface
Sealed at land surface/rod end: Yes
Purge Rate: 0.2 L/min Must be less than 0.2 L/min
Purge Time: 1 min note : Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubin
Helium Rate at enclosure: 3158 ppm
Helium Rate from sample tubing: 0 ppm Is this rate <20% of the rate at the enclosure (Y) / N

If the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 in of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? (Y) / N

Starting Pressure: -29.34 in. of Hg
Starting Time: 0630 **Date:** 7-28-21
Ending Time: 1422 **Date:** 7-28-21
Ending Pressure: -8.24 in. of Hg

Summa Canister Identification #: 613
Flow Regulator ID # 01437
Sample ID # SV-19 **Time** 1422
Analysis TO-15
Laboratory Alpha

SV-21

Soil Vapor Sampling Form
2-33 50th Avenue
Long Island City, New York

Date: 7-28-21 **Time:** 0645
Weather : Sunny
Temperature (Start/End): 70-90°F Humidity (Start/End): 83%
Wind Magnitude (Sart/End): 7 mph Wind Direction (Start/End): NNE
Barometric Pressure (Start/End): 29.97 "Hg Precipitation (Start/End) 0

Sampling Team: Dan Miserendino
Sampling Location: SV-21
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)
NE inside building

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods (if applicable).

Calibrate helium detection meter

Utility Clearance Completed: Yes
Sampling Depth: 3 feet below land surface
Sealed at land surface/rod end: Yes
Purge Rate: 0.2 L/min Must be less than 0.2 L/min
Purge Time: 1 min note : Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubin
Helium Rate at enclosure: 2225 ppm
Helium Rate from sample tubing: 0 Is this rate <20% of the rate at the enclosure (Y) / N

If the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 in of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? (Y) / N

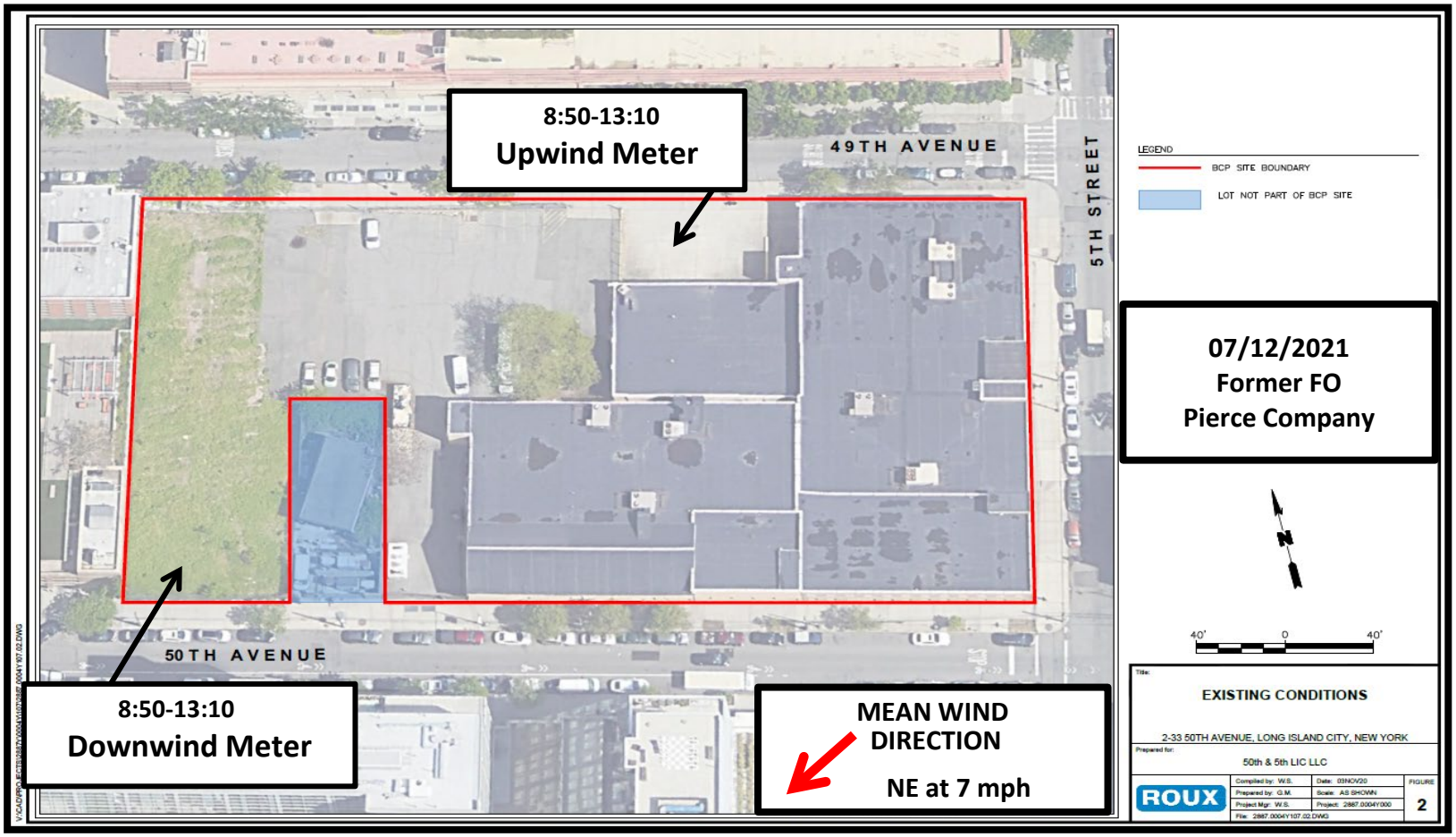
Starting Pressure: -29.43 in. of Hg
Starting Time: 0633 **Date:**
Ending Time: 1430 **Date:** 7-28-21
Ending Pressure: -8.51 in. of Hg

Summa Canister Identification #: 3377
Flow Regulator ID # 01659
Sample ID # SV-21 **Time** 1430
Analysis TO-15
Laboratory Alpha

P99068Y ___/T_ _____

APPENDIX L

CAMP Data


8:50-13:10
Upwind Meter
49TH AVENUE
5TH STREET
50TH AVENUE
8:50-13:10
Downwind Meter
MEAN WIND
DIRECTION
NE at 7 mph
LEGEND
BCP SITE BOUNDARY
LOT NOT PART OF BCP SITE
07/12/2021
Former FO
Pierce Company
N
40' 0 40'
EXISTING CONDITIONS
2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK
50th & 5th LIC LLC
ROUX
FIGURE
2

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Dust

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/12/2021

Upwind Serial Number 8530131405
Downwind Serial Number 8530153504

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [mg/m3]	Time	Concentration [mg/m3]	Concentration [mg/m3]	
8:53 AM	0.037	8:53 AM	0.044	0.007	
9:08 AM	0.039	9:08 AM	0.044	0.005	
9:23 AM	0.043	9:23 AM	0.044	0.001	
9:38 AM	0.047	9:38 AM	0.047	0.000	
9:53 AM	0.056	9:53 AM	0.054	-0.002	
10:08 AM	0.061	10:08 AM	0.060	-0.001	
10:23 AM	0.065	10:23 AM	0.061	-0.004	
10:38 AM	0.064	10:38 AM	0.061	-0.003	
10:53 AM	0.063	10:53 AM	0.061	-0.002	
11:08 AM	0.063	11:08 AM	0.070	0.007	
11:23 AM	0.062	11:23 AM	0.062	0.000	
11:38 AM	0.066	11:38 AM	0.070	0.004	
11:53 AM	0.069	11:53 AM	0.077	0.008	
12:08 PM	0.068	12:08 PM	0.071	0.003	
12:23 PM	0.064	12:23 PM	0.066	0.002	
12:38 PM	0.059	12:38 PM	0.060	0.001	
12:53 PM	0.051	12:53 PM	0.059	0.008	
1:08 PM	0.054	1:08 PM	0.050	-0.004	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location in mg/m3 and then corrected to ug/m3 to account for site specific exceedance limit of 100 ug/m3.

2. Location of downwind meter is typically designated as "Downwind (1)". If there are multiple work areas that require downwind monitoring then each respective downwind location is designated by "Downwind (1)", "Downwind (2)", etc. until all work areas are adequately covered.

3. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - VOC

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/12/2021

Upwind Serial Number 592-920865
Downwind Serial Number 592-916202

Upwind		Downwind		Corrected[1] Downwind	Comments
Time	VOC Average (ppm)	Time	VOC Average (ppm)	VOC Average (ppm)	
8:54 AM	0.0	8:54 AM	0.0	0.0	
9:09 AM	0.0	9:09 AM	0.0	0.0	
9:24 AM	0.0	9:24 AM	0.0	0.0	
9:39 AM	0.0	9:39 AM	0.0	0.0	
9:54 AM	0.0	9:54 AM	0.0	0.0	
10:09 AM	0.0	10:09 AM	0.0	0.0	
10:24 AM	0.0	10:24 AM	0.0	0.0	
10:39 AM	0.0	10:39 AM	0.0	0.0	
10:54 AM	0.0	10:54 AM	0.0	0.0	
11:09 AM	0.0	11:09 AM	0.0	0.0	
11:24 AM	0.0	11:24 AM	0.0	0.0	
11:39 AM	0.0	11:39 AM	0.0	0.0	
11:54 AM	0.0	11:54 AM	0.0	0.0	
12:09 PM	0.0	12:09 PM	0.0	0.0	
12:24 PM	0.0	12:24 PM	0.0	0.0	
12:39 PM	0.0	12:39 PM	0.0	0.0	
12:54 PM	0.0	12:54 PM	0.0	0.0	
1:09 PM	0.0	1:09 PM	0.0	0.0	

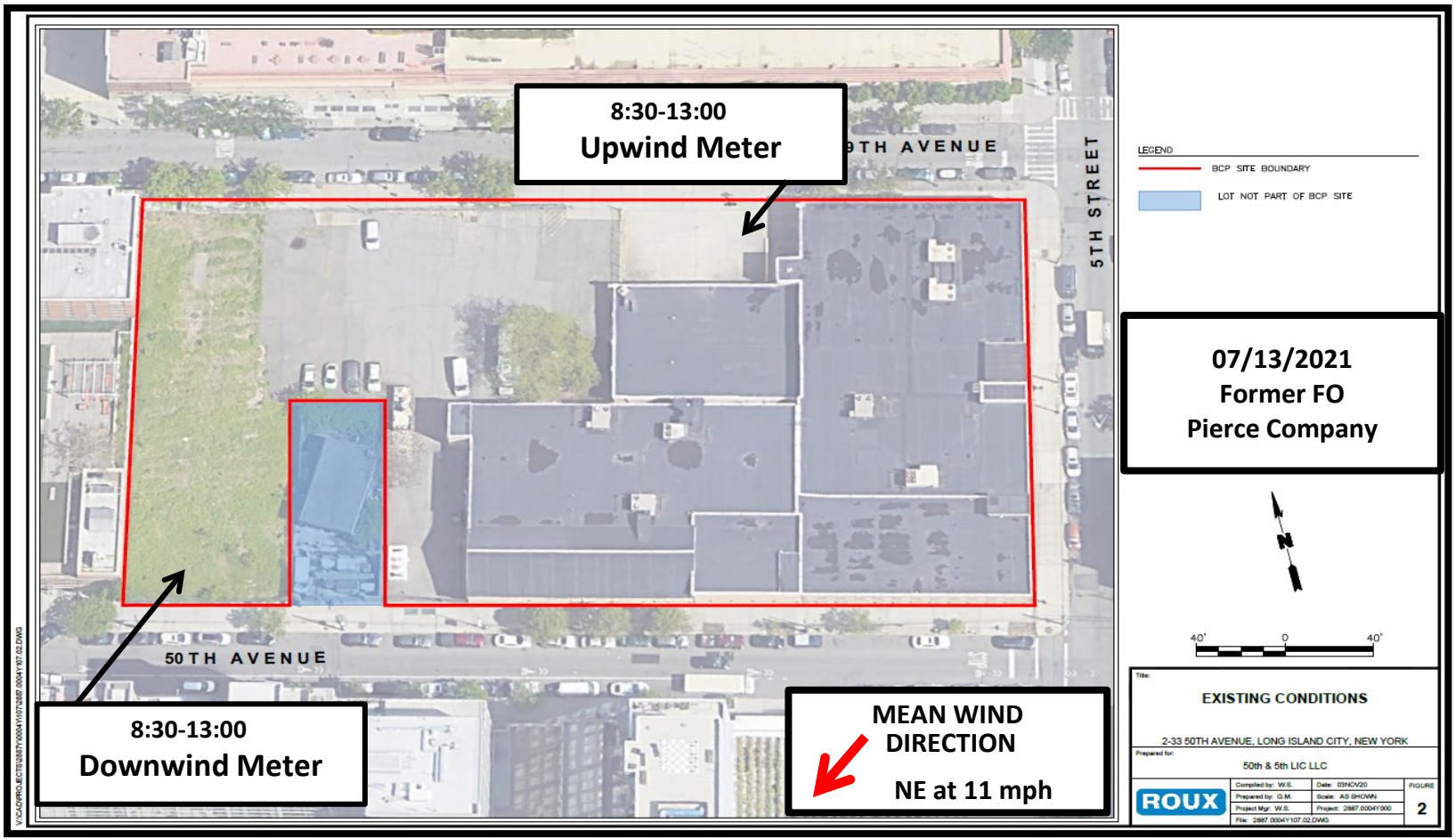
Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.
2. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Weather

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/12/2021

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Condition
7:51 AM	77 °F	70 °F	79 %	CALM	0 mph	0 mph	30.04 in	0.0 in	Cloudy
8:51 AM	79 °F	71 °F	77 %	NE	6 mph	0 mph	30.04 in	0.0 in	Mostly Cloudy
9:48 AM	79 °F	72 °F	78 %	NE	5 mph	0 mph	30.06 in	0.0 in	Cloudy
9:51 AM	79 °F	71 °F	77 %	NE	5 mph	0 mph	30.06 in	0.0 in	Cloudy
10:51 AM	80 °F	71 °F	74 %	NE	8 mph	0 mph	30.07 in	0.0 in	Mostly Cloudy
11:51 AM	78 °F	70 °F	76 %	ENE	9 mph	0 mph	30.08 in	0.0 in	Cloudy
12:45 PM	81 °F	72 °F	74 %	ENE	9 mph	0 mph	30.08 in	0.0 in	Mostly Cloudy
12:51 PM	81 °F	71 °F	72 %	NE	9 mph	0 mph	30.08 in	0.0 in	Mostly Cloudy
1:51 PM	81 °F	71 °F	72 %	NE	13 mph	0 mph	30.09 in	0.0 in	Partly Cloudy


8:30-13:00
Upwind Meter
9TH AVENUE
5TH STREET
LEGEND
BCP SITE BOUNDARY
LOT NOT PART OF BCP SITE
07/13/2021
Former FO
Pierce Company
50 TH AVENUE
8:30-13:00
Downwind Meter
MEAN WIND
DIRECTION
NE at 11 mph
40'
0
40'
EXISTING CONDITIONS
2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK
50th & 5th LIC LLC
ROUX
FIGURE
2

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Dust

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/13/2021

Upwind Serial Number 8530131405
Downwind Serial Number 8530153504

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [mg/m3]	Time	Concentration [mg/m3]	Concentration [mg/m3]	
8:36 AM	0.036	8:39 AM	0.028	-0.008	
8:51 AM	0.017	8:54 AM	0.018	0.001	
9:06 AM	0.015	9:09 AM	0.017	0.002	
9:21 AM	0.011	9:24 AM	0.010	-0.001	
9:36 AM	0.011	9:39 AM	0.012	0.001	
9:51 AM	0.013	9:54 AM	0.012	-0.001	
10:06 AM	0.014	10:09 AM	0.012	-0.002	
10:21 AM	0.015	10:24 AM	0.012	-0.003	
10:36 AM	0.016	10:39 AM	0.014	-0.002	
10:51 AM	0.018	10:54 AM	0.013	-0.005	
11:06 AM	0.019	11:09 AM	0.019	0.000	
11:21 AM	0.021	11:24 AM	0.019	-0.002	
11:36 AM	0.027	11:39 AM	0.023	-0.004	
11:51 AM	0.029	11:54 AM	0.025	-0.004	
12:06 PM	0.030	12:09 PM	0.030	0.000	
12:21 PM	0.032	12:24 PM	0.029	-0.003	
12:36 PM	0.034	12:39 PM	0.035	0.001	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location in mg/m3 and then corrected to ug/m3 to account for site specific exceedance limit of 100 ug/m3.

2. Location of downwind meter is typically designated as "Downwind (1)". If there are multiple work areas that require downwind monitoring then each respective downwind location is designated by "Downwind (1)", "Downwind (2)", etc. until all work areas are adequately covered.

3. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - VOC

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/13/2021

Upwind Serial Number 592-920865
Downwind Serial Number 592-916202

Upwind		Downwind		Corrected[1] Downwind	Comments
Time	VOC Average (ppm)	Time	VOC Average (ppm)	VOC Average (ppm)	
8:36 AM	0.0	8:37 AM	0.0	0.0	
8:51 AM	0.0	8:52 AM	0.0	0.0	
9:06 AM	0.0	9:07 AM	0.0	0.0	
9:21 AM	0.0	9:22 AM	0.0	0.0	
9:36 AM	0.0	9:37 AM	0.0	0.0	
9:51 AM	0.0	9:52 AM	0.0	0.0	
10:06 AM	0.0	10:07 AM	0.0	0.0	
10:21 AM	0.0	10:22 AM	0.0	0.0	
10:36 AM	0.0	10:37 AM	0.0	0.0	
10:51 AM	0.0	10:52 AM	0.0	0.0	
11:06 AM	0.1	11:07 AM	0.0	-0.1	
11:21 AM	0.1	11:22 AM	0.0	-0.1	
11:36 AM	0.1	11:37 AM	0.0	-0.1	
11:51 AM	0.1	11:52 AM	0.0	-0.1	
12:06 PM	0.1	12:07 PM	0.0	-0.1	
12:21 PM	0.1	12:22 PM	0.0	-0.1	
12:36 PM	0.1	12:37 PM	0.0	-0.1	
12:51 PM	NR	12:52 PM	0.0	0.0	

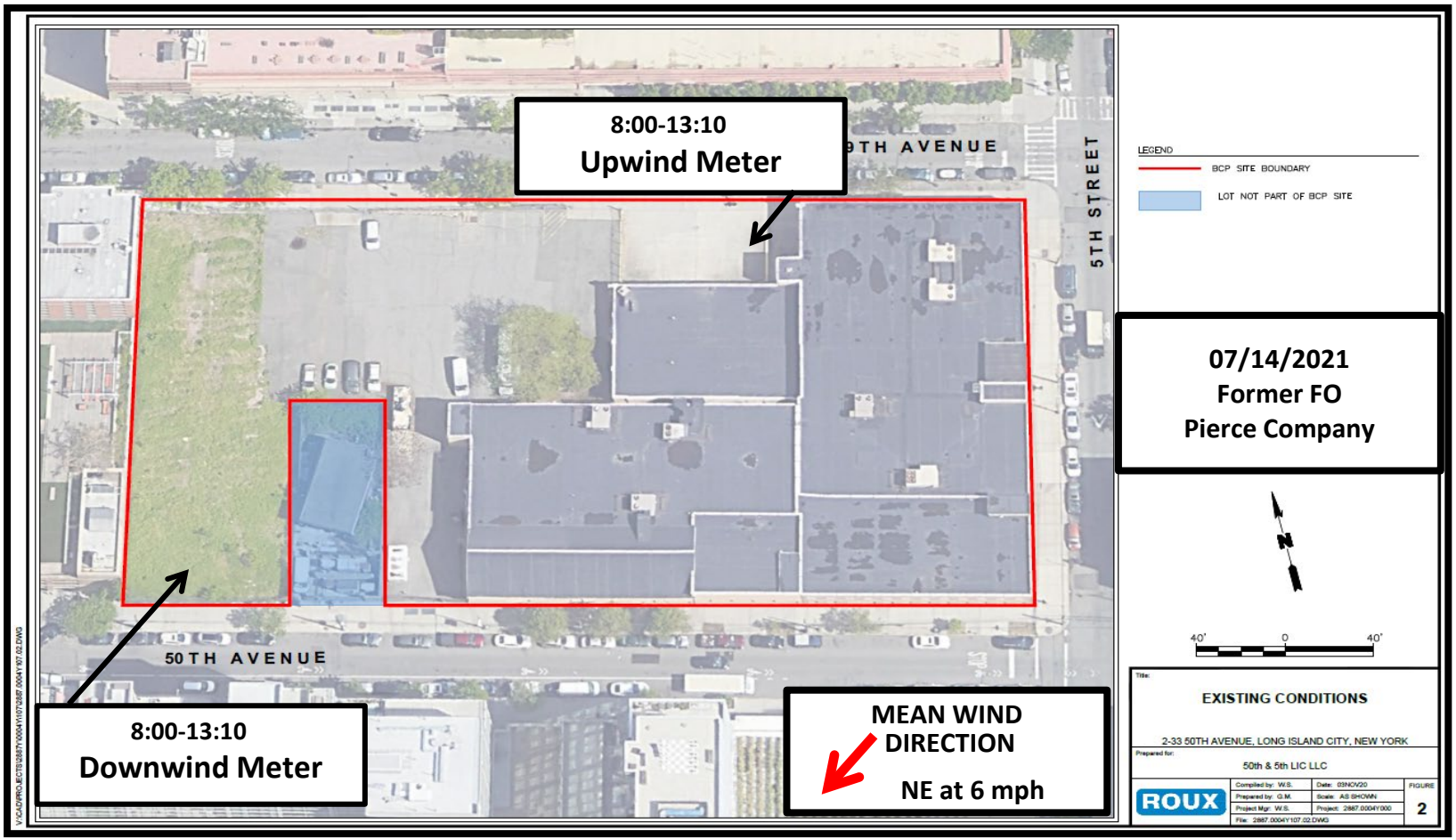
Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.
2. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Weather

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/13/2021

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Condition
7:51 AM	70 °F	67 °F	90 %	ENE	8 mph	0 mph	30.21 in	0.0 in	Fog
8:15 AM	70 °F	67 °F	90 %	NE	8 mph	0 mph	30.21 in	0.0 in	Cloudy
8:33 AM	70 °F	67 °F	90 %	NE	8 mph	0 mph	30.21 in	0.0 in	Cloudy
8:51 AM	70 °F	66 °F	87 %	NE	8 mph	0 mph	30.22 in	0.0 in	Cloudy
9:51 AM	70 °F	66 °F	87 %	NE	12 mph	0 mph	30.22 in	0.0 in	Cloudy
10:03 AM	70 °F	66 °F	87 %	NE	13 mph	0 mph	30.22 in	0.0 in	Cloudy
10:51 AM	70 °F	66 °F	87 %	ENE	10 mph	0 mph	30.22 in	0.0 in	Cloudy
11:51 AM	71 °F	66 °F	84 %	NE	13 mph	0 mph	30.21 in	0.0 in	Cloudy
12:51 PM	72 °F	66 °F	81 %	NE	13 mph	0 mph	30.21 in	0.0 in	Cloudy
1:28 PM	72 °F	66 °F	81 %	NE	12 mph	0 mph	30.21 in	0.0 in	Cloudy


8:00-13:10
Upwind Meter
9TH AVENUE
5TH STREET
LEGEND
BCP SITE BOUNDARY
LOT NOT PART OF BCP SITE
07/14/2021
Former FO
Pierce Company
50 TH AVENUE
8:00-13:10
Downwind Meter
MEAN WIND
DIRECTION
NE at 6 mph
N
40'
0
40'
EXISTING CONDITIONS
2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK
50th & 5th LIC LLC
ROUX
FIGURE
2

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Dust

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/14/2021

Upwind Serial Number 8530131405
Downwind Serial Number 8530153504

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [mg/m3]	Time	Concentration [mg/m3]	Concentration [mg/m3]	
8:02 AM	0.038	8:06 AM	0.048	0.010	
8:17 AM	0.036	8:21 AM	0.040	0.004	
8:32 AM	0.034	8:36 AM	0.034	0.000	
8:47 AM	0.034	8:51 AM	0.035	0.001	
9:02 AM	0.037	9:06 AM	0.038	0.001	
9:17 AM	0.043	9:21 AM	0.043	0.000	
9:32 AM	0.046	9:36 AM	0.049	0.003	
9:47 AM	0.044	9:51 AM	0.041	-0.003	
10:02 AM	0.043	10:06 AM	0.039	-0.004	
10:17 AM	0.043	10:21 AM	0.042	-0.001	
10:32 AM	0.049	10:36 AM	0.044	-0.005	
10:47 AM	0.052	10:51 AM	0.043	-0.009	
11:02 AM	0.051	11:06 AM	0.053	0.002	
11:17 AM	0.059	11:21 AM	0.053	-0.006	
11:32 AM	0.061	11:36 AM	0.059	-0.002	
11:47 AM	0.062	11:51 AM	0.055	-0.007	
12:02 PM	0.056	12:06 PM	0.048	-0.008	
12:17 PM	0.052	12:21 PM	0.045	-0.007	
12:32 PM	0.051	12:36 PM	0.041	-0.010	
12:47 PM	0.052	12:51 PM	0.041	-0.011	
1:02 PM	0.049	1:06 PM	0.039	-0.010	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location in mg/m3 and then corrected to ug/m3 to account for site specific exceedance limit of 100 ug/m3.

2. Location of downwind meter is typically designated as "Downwind (1)". If there are multiple work areas that require downwind monitoring then each respective downwind location is designated by "Downwind (1)", "Downwind (2)", etc. until all work areas are adequately covered.

3. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - VOC

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/14/2021

Upwind Serial Number 592-920865
Downwind Serial Number 592-916202

Upwind		Downwind		Corrected[1] Downwind	Comments
Time	VOC Average (ppm)	Time	VOC Average (ppm)	VOC Average (ppm)	
8:03 AM	0.0	8:08 AM	0.0	0.0	
8:18 AM	0.0	8:23 AM	0.0	0.0	
8:33 AM	0.0	8:38 AM	0.0	0.0	
8:48 AM	0.0	8:53 AM	0.0	0.0	
9:03 AM	0.1	9:08 AM	0.0	-0.1	
9:18 AM	0.1	9:23 AM	0.0	-0.1	
9:33 AM	0.1	9:38 AM	0.0	-0.1	
9:48 AM	0.1	9:53 AM	0.0	-0.1	
10:03 AM	0.1	10:08 AM	0.0	-0.1	
10:18 AM	0.1	10:23 AM	0.0	-0.1	
10:33 AM	0.1	10:38 AM	0.0	-0.1	
10:48 AM	0.2	10:53 AM	0.0	-0.2	
11:03 AM	0.2	11:08 AM	0.0	-0.2	
11:18 AM	0.2	11:23 AM	0.0	-0.2	
11:33 AM	0.2	11:38 AM	0.0	-0.2	
11:48 AM	0.2	11:53 AM	0.0	-0.2	
12:03 PM	0.3	12:08 PM	0.0	-0.3	
12:18 PM	0.3	12:23 PM	NR	0.3	
12:33 PM	0.3	12:38 PM	NR	0.3	
12:48 PM	0.3	12:53 PM	NR	0.3	
1:03 PM	0.3	1:08 PM	NR	0.3	

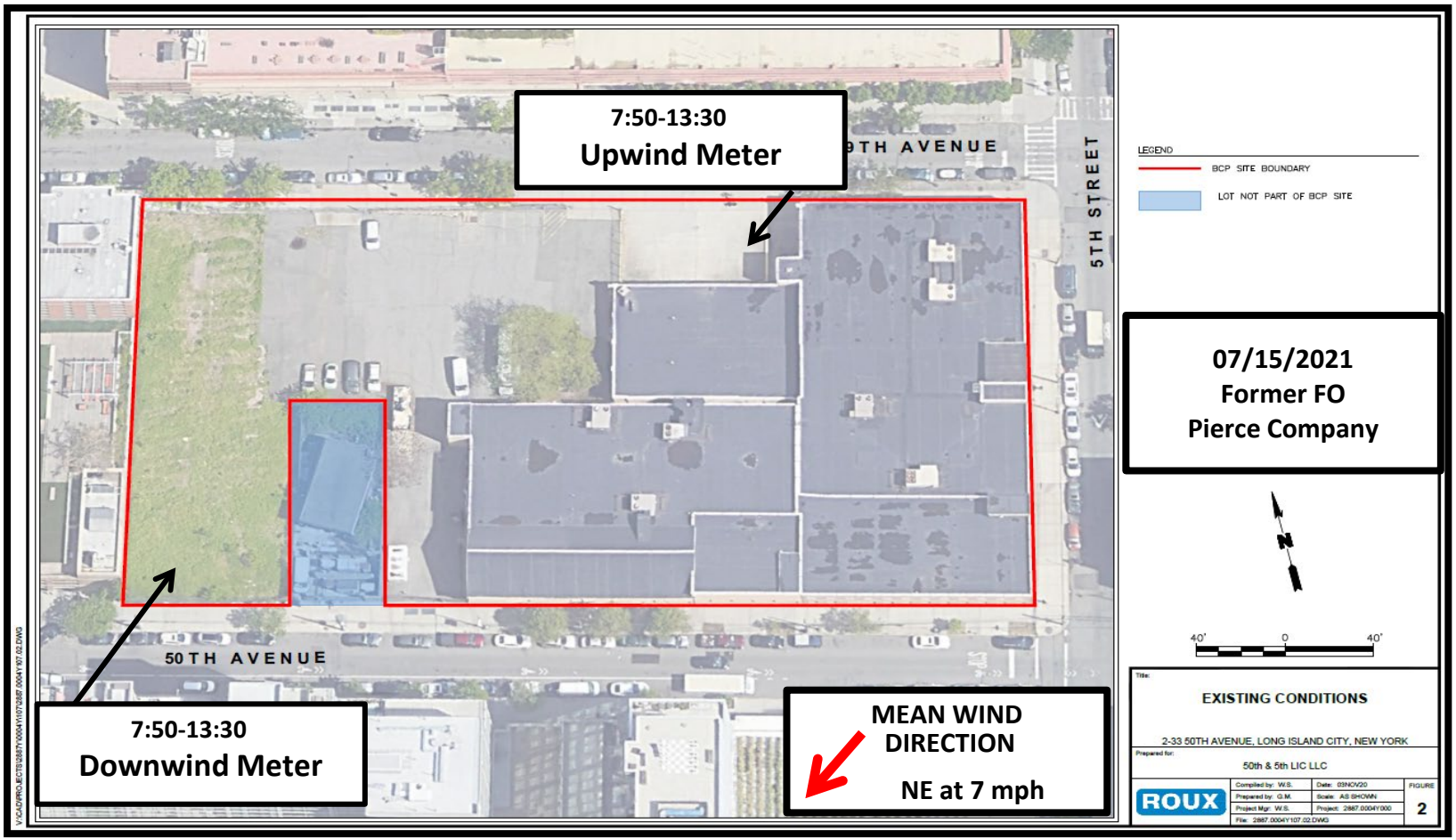
Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.
2. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Weather

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/14/2021

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Condition
7:51 AM	70 °F	68 °F	93 %	NE	8 mph	0 mph	30.15 in	0.0 in	Fog
8:51 AM	71 °F	68 °F	90 %	NE	7 mph	0 mph	30.16 in	0.0 in	Fog
9:00 AM	71 °F	68 °F	90 %	NE	7 mph	0 mph	30.15 in	0.0 in	Fog
9:48 AM	72 °F	68 °F	88 %	NE	3 mph	0 mph	30.15 in	0.0 in	Fog
9:51 AM	71 °F	68 °F	90 %	NE	5 mph	0 mph	30.15 in	0.0 in	Fog
10:23 AM	72 °F	69 °F	91 %	NE	6 mph	0 mph	30.14 in	0.0 in	Fog
10:45 AM	73 °F	70 °F	88 %	NE	6 mph	0 mph	30.14 in	0.0 in	Haze
10:51 AM	74 °F	69 °F	85 %	NE	6 mph	0 mph	30.14 in	0.0 in	Haze
11:10 AM	75 °F	69 °F	82 %	E	6 mph	0 mph	30.14 in	0.0 in	Mostly Cloudy
11:51 AM	77 °F	69 °F	76 %	ENE	6 mph	0 mph	30.13 in	0.0 in	Partly Cloudy
12:51 PM	82 °F	70 °F	67 %	ENE	3 mph	0 mph	30.12 in	0.0 in	Partly Cloudy
1:51 PM	85 °F	70 °F	61 %	NE	7 mph	0 mph	30.09 in	0.0 in	Partly Cloudy


7:50-13:30
Upwind Meter
9TH AVENUE
5TH STREET
50 TH AVENUE
7:50-13:30
Downwind Meter
MEAN WIND
DIRECTION
NE at 7 mph
LEGEND
BCP SITE BOUNDARY
LOT NOT PART OF BCP SITE
07/15/2021
Former FO
Pierce Company
40'
0
40'
EXISTING CONDITIONS
2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK
50th & 5th LIC LLC
ROUX
FIGURE
2

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Dust

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/15/2021

Upwind Serial Number 8530131405
Downwind Serial Number 8530153504

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [mg/m3]	Time	Concentration [mg/m3]	Concentration [mg/m3]	
7:54 AM	0.023	7:55 AM	0.029	0.006	
8:09 AM	0.019	8:10 AM	0.019	0.000	
8:24 AM	0.018	8:25 AM	0.018	0.000	
8:39 AM	0.023	8:40 AM	0.023	0.000	
8:54 AM	0.024	8:55 AM	0.026	0.002	
9:09 AM	0.023	9:10 AM	0.022	-0.001	
9:24 AM	0.022	9:25 AM	0.018	-0.004	
9:39 AM	0.023	9:40 AM	0.018	-0.005	
9:54 AM	0.020	9:55 AM	0.015	-0.005	
10:09 AM	0.023	10:10 AM	0.017	-0.006	
10:24 AM	0.019	10:25 AM	0.015	-0.004	
10:39 AM	0.023	10:40 AM	0.039	0.016	
10:54 AM	0.023	10:55 AM	0.020	-0.003	
11:09 AM	0.025	11:10 AM	0.023	-0.002	
11:24 AM	0.025	11:25 AM	0.019	-0.006	
11:39 AM	0.025	11:40 AM	0.020	-0.005	
11:54 AM	0.056	11:55 AM	0.065	0.009	
12:09 PM	0.031	12:10 PM	0.025	-0.006	
12:24 PM	0.031	12:25 PM	0.027	-0.004	
12:39 PM	0.031	12:40 PM	0.025	-0.006	
12:54 PM	0.027	12:55 PM	0.022	-0.005	
1:09 PM	0.027	1:10 PM	0.020	-0.007	
1:24 PM	0.028	1:25 PM	0.022	-0.006	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location in mg/m3 and then corrected to ug/m3 to account for site specific exceedance limit of 100 ug/m3.

2. Location of downwind meter is typically designated as "Downwind (1)". If there are multiple work areas that require downwind monitoring then each respective downwind location is designated by "Downwind (1)", "Downwind (2)", etc. until all work areas are adequately covered.

3. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - VOC

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/15/2021

Upwind Serial Number 592-920865
Downwind Serial Number 592-916202

Upwind		Downwind		Corrected[1] Downwind	Comments
Time	VOC Average (ppm)	Time	VOC Average (ppm)	VOC Average (ppm)	
7:56 AM	0.0	7:57 AM	0.0	0.0	
8:11 AM	0.0	8:12 AM	0.0	0.0	
8:26 AM	0.0	8:27 AM	0.0	0.0	
8:41 AM	0.0	8:42 AM	0.0	0.0	
8:56 AM	0.0	8:57 AM	0.0	0.0	
9:11 AM	0.0	9:12 AM	0.0	0.0	
9:26 AM	0.0	9:27 AM	0.0	0.0	
9:41 AM	0.0	9:42 AM	0.0	0.0	
9:56 AM	0.0	9:57 AM	0.0	0.0	
10:11 AM	0.0	10:12 AM	0.0	0.0	
10:26 AM	0.0	10:27 AM	0.0	0.0	
10:41 AM	0.0	10:42 AM	0.0	0.0	
10:56 AM	0.0	10:57 AM	0.0	0.0	
11:11 AM	0.0	11:12 AM	0.0	0.0	
11:26 AM	0.0	11:27 AM	0.0	0.0	
11:41 AM	0.0	11:42 AM	0.0	0.0	
11:56 AM	0.0	11:57 AM	0.0	0.0	
12:11 PM	0.0	12:12 PM	0.0	0.0	
12:26 PM	0.0	12:27 PM	0.0	0.0	
12:41 PM	0.0	12:42 PM	0.0	0.0	
12:56 PM	0.0	12:57 PM	0.0	0.0	
1:11 PM	0.0	1:12 PM	0.0	0.0	
1:26 PM	0.0	1:27 PM	0.0	0.0	

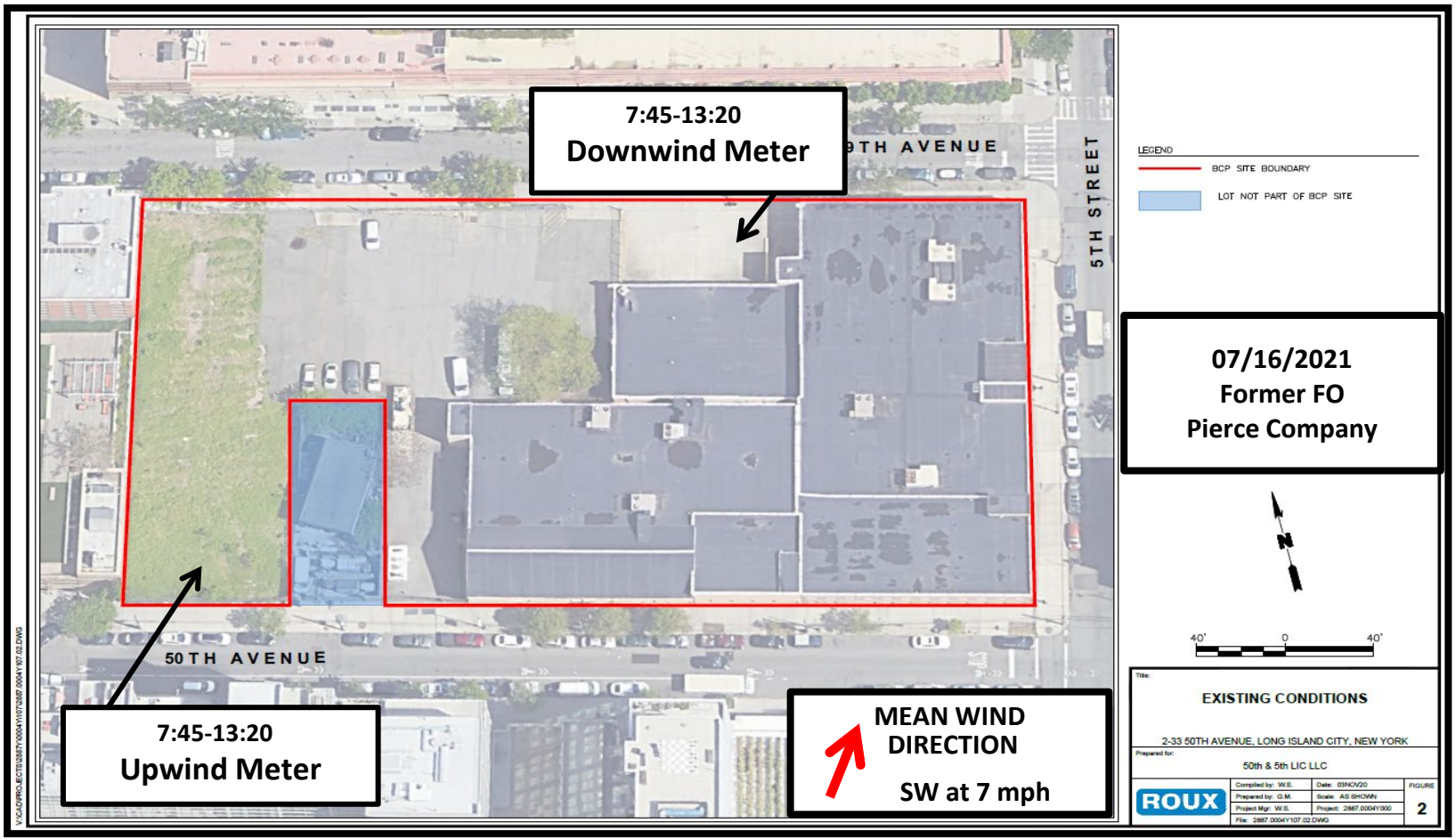
Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.
2. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Weather

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/15/2021

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Condition
6:51 AM	76 °F	66 °F	71 %	E	3 mph	0 mph	30.09 in	0.0 in	Partly Cloudy
7:51 AM	77 °F	67 °F	71 %	ENE	6 mph	0 mph	30.10 in	0.0 in	Partly Cloudy
8:51 AM	79 °F	67 °F	66 %	NE	6 mph	0 mph	30.10 in	0.0 in	Partly Cloudy
9:51 AM	81 °F	67 °F	62 %	NE	6 mph	0 mph	30.08 in	0.0 in	Mostly Cloudy
10:51 AM	81 °F	68 °F	65 %	NE	8 mph	0 mph	30.08 in	0.0 in	Mostly Cloudy
11:51 AM	84 °F	68 °F	58 %	NE	7 mph	0 mph	30.07 in	0.0 in	Mostly Cloudy
12:51 PM	86 °F	67 °F	53 %	NE	8 mph	0 mph	30.05 in	0.0 in	Mostly Cloudy
1:51 PM	87 °F	67 °F	51 %	NE	9 mph	0 mph	30.04 in	0.0 in	Partly Cloudy


7:45-13:20
Downwind Meter
9TH AVENUE
5TH STREET
LEGEND
BCP SITE BOUNDARY
LOT NOT PART OF BCP SITE
07/16/2021
Former FO
Pierce Company
50 TH AVENUE
7:45-13:20
Upwind Meter
MEAN WIND
DIRECTION
SW at 7 mph
40' 0 40'
EXISTING CONDITIONS
2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK
50th & 5th LIC LLC
ROUX
FIGURE
2

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Dust

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/16/2021

Upwind Serial Number 8530131405
Downwind Serial Number 8530153504

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [mg/m3]	Time	Concentration [mg/m3]	Concentration [mg/m3]	
7:48 AM	0.057	8:53 AM	0.044	-0.013	
8:03 AM	0.062	9:08 AM	0.044	-0.018	
8:18 AM	0.053	9:23 AM	0.044	-0.009	
8:33 AM	0.067	9:38 AM	0.047	-0.020	
8:48 AM	0.054	9:53 AM	0.054	0.000	
9:03 AM	0.053	10:08 AM	0.060	0.007	
9:18 AM	0.057	10:23 AM	0.061	0.004	
9:33 AM	0.058	10:38 AM	0.061	0.003	
9:48 AM	0.059	10:53 AM	0.061	0.002	
10:03 AM	0.057	11:08 AM	0.070	0.013	
10:18 AM	0.059	11:23 AM	0.062	0.003	
10:33 AM	0.055	11:38 AM	0.070	0.015	
10:48 AM	0.058	11:53 AM	0.077	0.019	
11:03 AM	0.057	12:08 PM	0.071	0.014	
11:18 AM	0.065	12:23 PM	0.066	0.001	
11:33 AM	0.065	12:38 PM	0.060	-0.005	
11:48 AM	0.061	12:53 PM	0.059	-0.002	
12:03 PM	0.057	1:08 PM	0.050	-0.007	
12:18 PM	0.058	1:23 PM	NR	0.058	
12:33 PM	0.057	1:38 PM	NR	0.057	
12:48 PM	0.056	1:53 PM	NR	0.056	
1:03 PM	0.057	2:08 PM	NR	0.057	
1:18 PM	0.055	2:23 PM	NR	0.055	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location in mg/m3 and then corrected to ug/m3 to account for site specific exceedance limit of 100 ug/m3.

2. Location of downwind meter is typically designated as "Downwind (1)". If there are multiple work areas that require downwind monitoring then each respective downwind location is designated by "Downwind (1)", "Downwind (2)", etc. until all work areas are adequately covered.

3. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - VOC

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/16/2021

Upwind Serial Number 592-920865
Downwind Serial Number 592-916202

Upwind		Downwind		Corrected[1] Downwind	Comments
Time	VOC Average (ppm)	Time	VOC Average (ppm)	VOC Average (ppm)	
7:50 AM	0.0	7:48 AM	0.0	0.0	
8:05 AM	0.0	8:03 AM	0.0	0.0	
8:20 AM	0.0	8:18 AM	0.0	0.0	
8:35 AM	0.0	8:33 AM	0.0	0.0	
8:50 AM	0.0	8:48 AM	0.0	0.0	
9:05 AM	0.0	9:03 AM	0.0	0.0	
9:20 AM	0.0	9:18 AM	0.0	0.0	
9:35 AM	0.0	9:33 AM	0.0	0.0	
9:50 AM	0.0	9:48 AM	0.0	0.0	
10:05 AM	0.0	10:03 AM	0.0	0.0	
10:20 AM	0.0	10:18 AM	0.0	0.0	
10:35 AM	0.0	10:33 AM	0.0	0.0	
10:50 AM	0.0	10:48 AM	0.0	0.0	
11:05 AM	0.0	11:03 AM	0.0	0.0	
11:20 AM	0.0	11:18 AM	0.0	0.0	
11:35 AM	0.0	11:33 AM	0.0	0.0	
11:50 AM	0.0	11:48 AM	0.0	0.0	
12:05 PM	0.0	12:03 PM	0.0	0.0	
12:20 PM	0.0	12:18 PM	0.0	0.0	
12:35 PM	0.0	12:33 PM	0.0	0.0	
12:50 PM	0.0	12:48 PM	0.0	0.0	
1:05 PM	0.0	1:03 PM	0.0	0.0	
1:20 PM	0.0	1:18 PM	0.0	0.0	

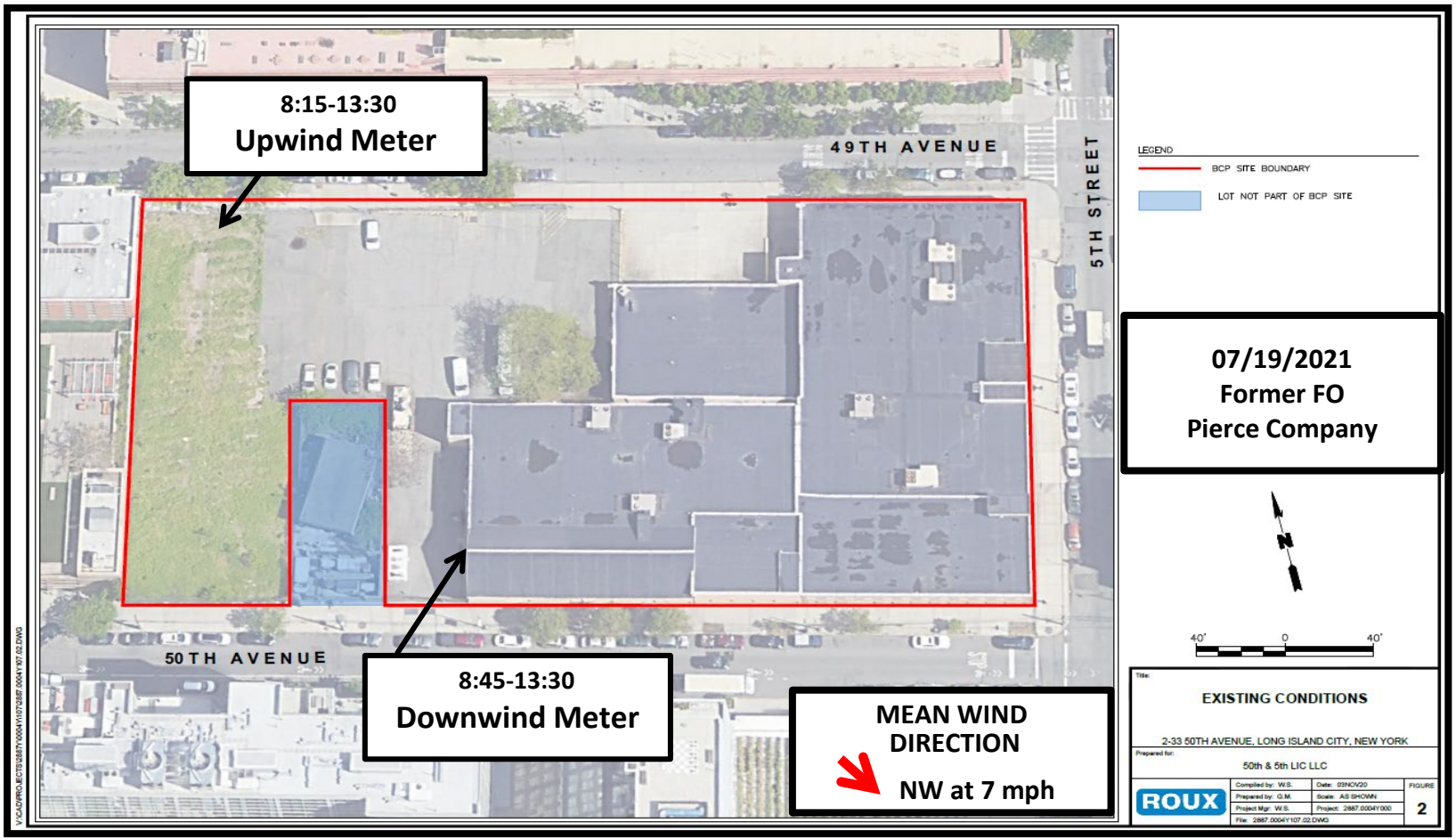
Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.
2. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Weather

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/16/2021

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Condition
6:51 AM	82 °F	71 °F	69 %	SW	6 mph	0 mph	29.98 in	0.0 in	Mostly Cloudy
7:51 AM	84 °F	69 °F	61 %	WSW	7 mph	0 mph	29.98 in	0.0 in	Partly Cloudy
8:51 AM	85 °F	70 °F	61 %	SW	5 mph	0 mph	29.98 in	0.0 in	Partly Cloudy
9:51 AM	88 °F	70 °F	55 %	CALM	0 mph	0 mph	29.98 in	0.0 in	Partly Cloudy
10:51 AM	89 °F	68 °F	50 %	W	6 mph	0 mph	29.98 in	0.0 in	Fair
11:51 AM	91 °F	68 °F	47 %	VAR	5 mph	0 mph	29.97 in	0.0 in	Fair
12:51 PM	92 °F	67 °F	44 %	SW	12 mph	0 mph	29.98 in	0.0 in	Fair
1:51 PM	94 °F	66 °F	40 %	SSW	13 mph	0 mph	29.96 in	0.0 in	Fair


8:15-13:30
Upwind Meter
49TH AVENUE
5TH STREET
50 TH AVENUE
8:45-13:30
Downwind Meter
MEAN WIND DIRECTION
NW at 7 mph
LEGEND
BCP SITE BOUNDARY
LOT NOT PART OF BCP SITE
07/19/2021
Former FO
Pierce Company
40' 0 40'
EXISTING CONDITIONS
2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK
50th & 5th LIC LLC
ROUX
FIGURE
2

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Dust

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/19/2021

Upwind Serial Number 8530131405
Downwind Serial Number 8530153504

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [mg/m3]	Time	Concentration [mg/m3]	Concentration [mg/m3]	
8:18 AM	0.021	8:18 AM	0.023	0.002	
8:33 AM	0.039	8:33 AM	0.034	-0.005	
8:48 AM	0.025	8:48 AM	0.026	0.001	
9:03 AM	0.027	9:03 AM	0.028	0.001	
9:18 AM	0.026	9:18 AM	0.025	-0.001	
9:33 AM	0.025	9:33 AM	0.028	0.003	
9:48 AM	0.037	9:48 AM	0.034	-0.003	
10:03 AM	0.025	10:03 AM	0.018	-0.007	
10:18 AM	0.021	10:18 AM	0.020	-0.001	
10:33 AM	0.024	10:33 AM	0.017	-0.007	
10:48 AM	0.023	10:48 AM	0.019	-0.004	
11:03 AM	0.023	11:03 AM	0.018	-0.005	
11:18 AM	0.025	11:18 AM	0.020	-0.005	
11:33 AM	0.018	11:33 AM	0.014	-0.004	
11:48 AM	0.021	11:48 AM	0.017	-0.004	
12:03 PM	0.021	12:03 PM	0.018	-0.003	
12:18 PM	0.018	12:18 PM	0.013	-0.005	
12:33 PM	0.016	12:33 PM	0.011	-0.005	
12:48 PM	0.014	1:23 PM	0.009	-0.005	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location in mg/m3 and then corrected to ug/m3 to account for site specific exceedance limit of 100 ug/m3.

2. Location of downwind meter is typically designated as "Downwind (1)". If there are multiple work areas that require downwind monitoring then each respective downwind location is designated by "Downwind (1)", "Downwind (2)", etc. until all work areas are adequately covered.

3. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - VOC

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/19/2021

Upwind Serial Number 592-920865
Downwind Serial Number 592-916202

Upwind		Downwind		Corrected[1] Downwind	Comments
Time	VOC Average (ppm)	Time	VOC Average (ppm)	VOC Average (ppm)	
8:21 AM	0.0	8:21 AM	0.0	0.0	
8:36 AM	0.0	8:36 AM	0.0	0.0	
8:51 AM	0.1	8:51 AM	0.0	-0.1	
9:06 AM	0.1	9:06 AM	0.0	-0.1	
9:21 AM	0.1	9:21 AM	0.0	-0.1	
9:36 AM	0.1	9:36 AM	0.0	-0.1	
9:51 AM	0.2	9:51 AM	0.0	-0.2	
10:06 AM	0.2	10:06 AM	0.0	-0.2	
10:21 AM	0.2	10:21 AM	0.0	-0.2	
10:36 AM	0.2	10:36 AM	0.0	-0.2	
10:51 AM	0.2	10:51 AM	0.0	-0.2	
11:06 AM	0.2	11:06 AM	0.0	-0.2	
11:21 AM	0.2	11:21 AM	0.0	-0.2	
11:36 AM	0.2	11:36 AM	0.0	-0.2	
11:51 AM	0.2	11:51 AM	0.0	-0.2	
12:06 PM	0.2	12:06 PM	0.0	-0.2	
12:21 PM	0.2	12:21 PM	0.0	-0.2	
12:36 PM	0.2	12:36 PM	0.0	-0.2	
12:51 PM	NR	12:51 PM	0.0	0.0	

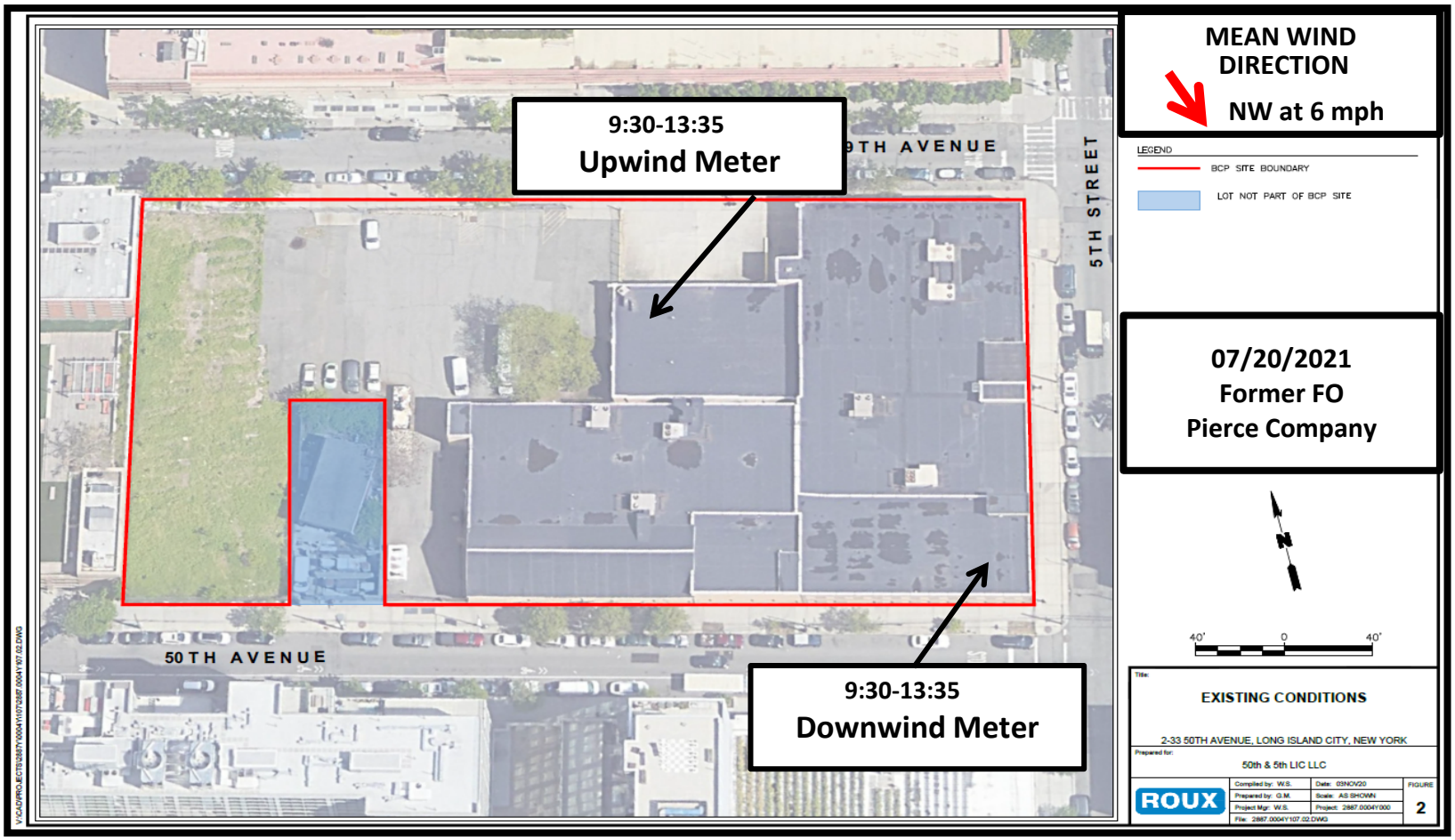
Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.
2. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Weather

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/19/2021

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Condition
7:51 AM	73 °F	63 °F	71 %	NW	8 mph	0 mph	29.93 in	0.0 in	Mostly Cloudy
8:51 AM	74 °F	62 °F	66 %	NW	10 mph	0 mph	29.93 in	0.0 in	Cloudy
9:51 AM	75 °F	63 °F	66 %	WNW	3 mph	0 mph	29.94 in	0.0 in	Mostly Cloudy
10:51 AM	76 °F	62 °F	62 %	NNW	5 mph	0 mph	29.94 in	0.0 in	Cloudy
11:51 AM	73 °F	65 °F	76 %	N	13 mph	20 mph	29.94 in	0.0 in	Cloudy
12:51 PM	72 °F	65 °F	78 %	NNW	10 mph	0 mph	29.95 in	0.0 in	Light Rain
1:51 PM	75 °F	65 °F	71 %	CALM	0 mph	0 mph	29.94 in	0.0 in	Cloudy


9:30-13:35
Upwind Meter
9TH AVENUE
5TH STREET
50 TH AVENUE
9:30-13:35
Downwind Meter
MEAN WIND DIRECTION
NW at 6 mph
LEGEND
BCP SITE BOUNDARY
LOT NOT PART OF BCP SITE
07/20/2021
Former FO
Pierce Company
40'
0
40'
EXISTING CONDITIONS
2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK
50th & 5th LIC LLC
ROUX
FIGURE
2

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Dust

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/20/2021

Upwind Serial Number 8530131405
Downwind Serial Number 8530153504

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [mg/m3]	Time	Concentration [mg/m3]	Concentration [mg/m3]	
9:44 AM	0.112	9:47 AM	0.117	0.005	
9:59 AM	0.154	10:02 AM	0.174	0.020	
10:14 AM	0.236	10:17 AM	0.194	-0.042	
10:29 AM	0.204	10:32 AM	0.181	-0.023	
10:44 AM	0.193	10:47 AM	0.171	-0.022	
10:59 AM	0.180	11:02 AM	0.183	0.003	
11:14 AM	0.155	11:17 AM	0.165	0.010	
11:29 AM	0.157	11:32 AM	0.162	0.005	
11:44 AM	0.184	11:47 AM	0.167	-0.017	
11:59 AM	0.185	12:02 PM	0.147	-0.038	
12:14 PM	0.192	12:17 PM	0.262	0.070	
12:29 PM	0.205	12:32 PM	0.267	0.062	
12:44 PM	0.226	12:47 PM	0.315	0.089	
12:59 PM	0.182	1:02 PM	0.294	0.112	Adjoining geotechnical drilling; instructed drillers to suppress dust.
1:14 PM	0.168	1:17 PM	0.267	0.099	
1:29 PM	0.194	1:32 PM	NR	0.194	Adjoining geotechnical drilling; instructed drillers to suppress dust.

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location in mg/m3 and then corrected to ug/m3 to account for site specific exceedance limit of 100 ug/m3.

2. Location of downwind meter is typically designated as "Downwind (1)". If there are multiple work areas that require downwind monitoring then each respective downwind location is designated by "Downwind (1)", "Downwind (2)", etc. until all work areas are adequately covered.

3. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - VOC

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/20/2021

Upwind Serial Number 592-920865
Downwind Serial Number 592-916202

Upwind		Downwind		Corrected[1] Downwind	Comments
Time	VOC Average (ppm)	Time	VOC Average (ppm)	VOC Average (ppm)	
9:47 AM	0.3	9:48 AM	0.0	-0.3	
10:02 AM	0.3	10:03 AM	0.0	-0.3	
10:17 AM	0.2	10:18 AM	0.0	-0.2	
10:32 AM	0.2	10:33 AM	0.0	-0.2	
10:47 AM	0.3	10:48 AM	0.0	-0.3	
11:02 AM	0.3	11:03 AM	0.0	-0.3	
11:17 AM	0.4	11:18 AM	0.0	-0.4	
11:32 AM	0.4	11:33 AM	0.0	-0.4	
11:47 AM	0.4	11:48 AM	0.0	-0.4	
12:02 PM	0.4	12:03 PM	0.1	-0.3	
12:17 PM	0.4	12:18 PM	0.1	-0.3	
12:32 PM	0.4	12:33 PM	0.1	-0.3	
12:47 PM	0.4	12:48 PM	0.1	-0.3	
1:02 PM	0.4	1:03 PM	0.1	-0.3	
1:17 PM	0.5	1:18 PM	0.1	-0.4	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.
2. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Weather

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/20/2021

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Condition
8:51 AM	78 °F	66 °F	66 %	NW	6 mph	0 mph	29.91 in	0.0 in	Haze
9:51 AM	80 °F	67 °F	64 %	NW	6 mph	0 mph	29.90 in	0.0 in	Haze
10:51 AM	82 °F	66 °F	58 %	NW	5 mph	0 mph	29.90 in	0.0 in	Haze
11:51 AM	84 °F	67 °F	56 %	NW	5 mph	0 mph	29.89 in	0.0 in	Fair
12:51 PM	85 °F	66 °F	53 %	NNW	7 mph	0 mph	29.88 in	0.0 in	Haze
1:51 PM	87 °F	64 °F	46 %	VAR	5 mph	0 mph	29.87 in	0.0 in	Haze

ACTION LIMIT REPORT

Project Location: 2-33 50th Avenue, Long Island City, NY 11101
Tax Block 17 Lot 1

Date: 7/20/2021 Time: 12:59 and 13:29

Name: Jeffrey Wills

Contaminant: PM-10: Yes VOC: No

Wind Speed: 6 mph Wind Direction: NW

Temperature: 85 °F Barometric Pressure: 29.88" Hg

DOWNWIND DATA

Monitor ID #: 8530153504 Location: 12:59 Level Reported: 0.294 mg/m3

Monitor ID#: 8530153504 Location: 13:29 Level Reported: NR

UPWIND DATA

Monitor ID #: 8530131405 Location: 12:59 Level Reported: 0.182 mg/m3

Monitor ID#: 8530131405 Location: 13:29 Level Reported: 0.194 mg/m3

BACKGROUND CORRECTED LEVELS

Monitor ID #: NA Location: 12:59 Level Reported: 0.112 mg/m3

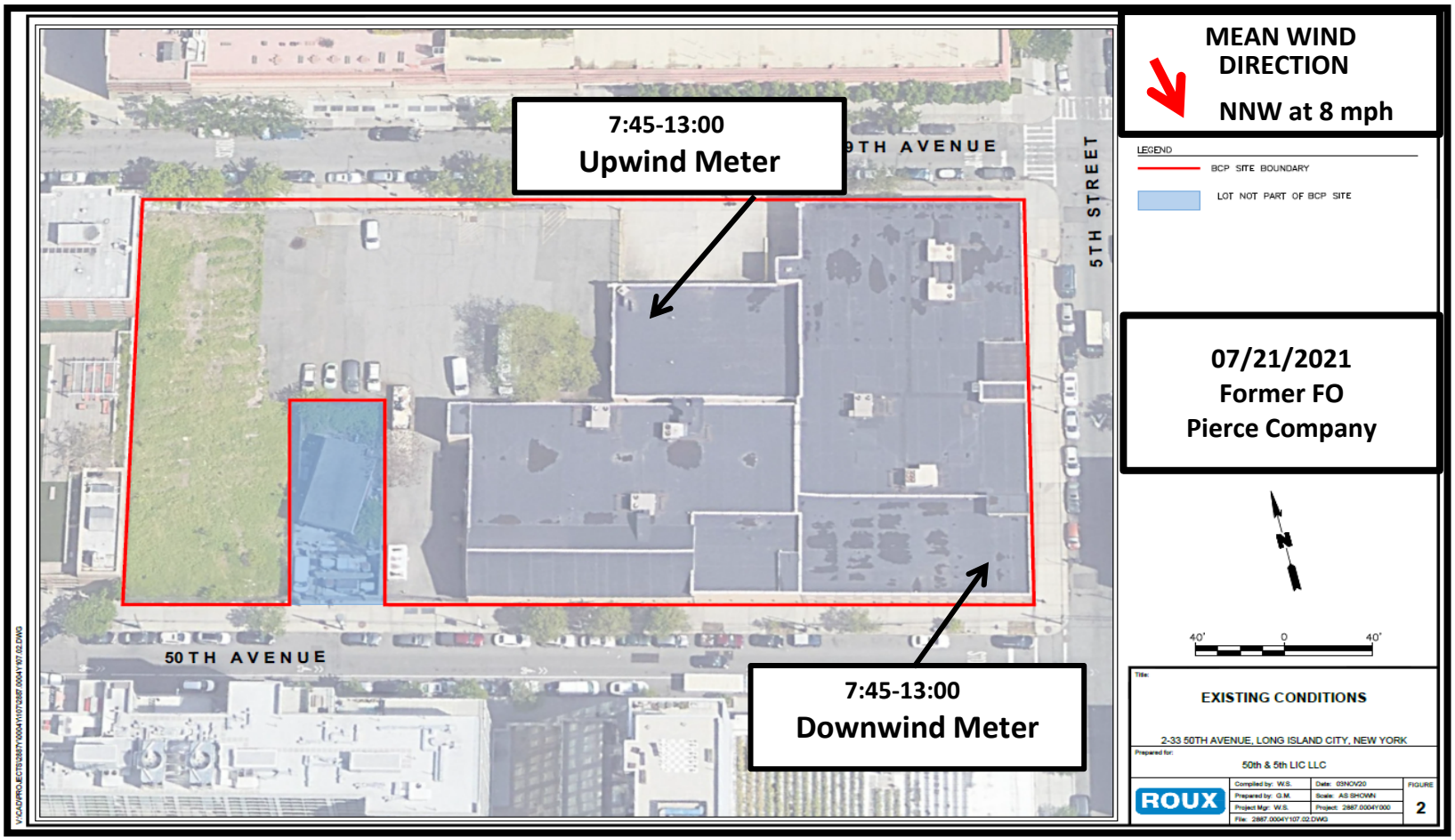
Monitor ID#: NA Location: 13:29 Level Reported: 0.194mg/m3

ACTIVITY DESCRIPTION

Adjoining geotechnical drilling operation not associated with Remedial Investigation activities.

CORRECTIVE ACTION TAKEN

Informed geotechnical drillers of particulate exceedance and instructed them to more frequently wet work area. No visible dust was observed and activities were confined within the Site's warehouse. No complaints were receeived from the surrounding community.


7:45-13:00
Upwind Meter
9TH AVENUE
5TH STREET
50 TH AVENUE
7:45-13:00
Downwind Meter
MEAN WIND DIRECTION
NNW at 8 mph
LEGEND
BCP SITE BOUNDARY
LOT NOT PART OF BCP SITE
07/21/2021
Former FO
Pierce Company
40' 0 40'
EXISTING CONDITIONS
2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK
50th & 5th LIC LLC
ROUX
FIGURE
2

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Dust

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/21/2021

Upwind Serial Number 8530131405
Downwind Serial Number 8530153504

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [mg/m3]	Time	Concentration [mg/m3]	Concentration [mg/m3]	
7:46 AM	0.160	7:47 AM	0.136	-0.024	
8:01 AM	0.165	8:02 AM	0.129	-0.036	
8:16 AM	0.162	8:17 AM	0.120	-0.042	
8:31 AM	0.156	8:32 AM	0.132	-0.024	
8:46 AM	0.150	8:47 AM	0.129	-0.021	
9:01 AM	0.144	9:02 AM	0.126	-0.018	
9:16 AM	0.250	9:17 AM	0.136	-0.114	Adjoining geotechnical drilling; instructed drillers to suppress dust.
9:31 AM	0.180	9:32 AM	0.136	-0.044	
9:46 AM	0.162	9:47 AM	0.129	-0.033	
10:01 AM	0.659	10:02 AM	0.308	-0.351	Adjoining geotechnical drilling; instructed drillers to suppress dust.
10:16 AM	0.197	10:17 AM	0.275	0.078	
10:31 AM	0.178	10:32 AM	0.235	0.057	
10:46 AM	0.167	10:47 AM	0.213	0.046	
11:01 AM	0.185	11:02 AM	0.246	0.061	
11:16 AM	0.148	11:17 AM	0.201	0.053	
11:31 AM	0.128	11:32 AM	0.161	0.033	
11:46 AM	0.122	11:47 AM	0.147	0.025	
12:01 PM	0.117	12:02 PM	0.125	0.008	
12:16 PM	0.132	12:17 PM	0.115	-0.017	
12:31 PM	0.152	12:32 PM	0.120	-0.032	
12:46 PM	0.119	12:47 PM	0.120	0.001	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location in mg/m3 and then corrected to ug/m3 to account for site specific exceedance limit of 100 ug/m3.

2. Location of downwind meter is typically designated as "Downwind (1)". If there are multiple work areas that require downwind monitoring then each respective downwind location is designated by "Downwind (1)", "Downwind (2)", etc. until all work areas are adequately covered.

3. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - VOC

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/21/2021

Upwind Serial Number 592-920865
Downwind Serial Number 592-916202

Upwind		Downwind		Corrected[1] Downwind	Comments
Time	VOC Average (ppm)	Time	VOC Average (ppm)	VOC Average (ppm)	
7:49 AM	0.2	7:50 AM	0.0	-0.2	
8:04 AM	0.2	8:05 AM	0.0	-0.2	
8:19 AM	0.2	8:20 AM	0.0	-0.2	
8:34 AM	0.3	8:35 AM	0.0	-0.3	
8:49 AM	0.3	8:50 AM	0.0	-0.3	
9:04 AM	0.3	9:05 AM	0.0	-0.3	
9:19 AM	0.4	9:20 AM	0.0	-0.4	
9:34 AM	0.4	9:35 AM	0.1	-0.3	
9:49 AM	0.5	9:50 AM	0.1	-0.4	
10:04 AM	0.5	10:05 AM	0.1	-0.4	
10:19 AM	0.5	10:20 AM	0.1	-0.4	
10:34 AM	0.5	10:35 AM	0.1	-0.4	
10:49 AM	0.6	10:50 AM	0.1	-0.5	
11:04 AM	0.6	11:05 AM	0.2	-0.4	
11:19 AM	0.6	11:20 AM	0.2	-0.4	
11:34 AM	0.6	11:35 AM	0.2	-0.4	
11:49 AM	0.5	11:50 AM	0.1	-0.4	
12:04 PM	0.5	12:05 PM	0.1	-0.4	
12:19 PM	0.4	12:20 PM	0.1	-0.3	
12:34 PM	0.4	12:35 PM	0.1	-0.3	
12:49 PM	0.4	12:50 PM	0.1	-0.3	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.
2. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Weather

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/21/2021

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Condition
6:51 AM	76 °F	62 °F	62 %	CALM	0 mph	0 mph	29.83 in	0.0 in	Mostly Cloudy
7:51 AM	78 °F	62 °F	58 %	CALM	0 mph	0 mph	29.84 in	0.0 in	Mostly Cloudy
8:51 AM	78 °F	63 °F	60 %	NW	5 mph	0 mph	29.85 in	0.0 in	Mostly Cloudy
9:51 AM	79 °F	62 °F	56 %	NNW	7 mph	0 mph	29.85 in	0.0 in	Mostly Cloudy
10:51 AM	80 °F	60 °F	50 %	NW	7 mph	0 mph	29.86 in	0.0 in	Mostly Cloudy
11:51 AM	82 °F	61 °F	49 %	NNW	10 mph	0 mph	29.86 in	0.0 in	Mostly Cloudy
12:27 PM	80 °F	61 °F	52 %	NNW	14 mph	0 mph	29.86 in	0.0 in	Thunder in the Vicinity
12:34 PM	79 °F	61 °F	54 %	NNW	20 mph	0 mph	29.86 in	0.0 in	Thunder
12:51 PM	72 °F	65 °F	78 %	N	8 mph	0 mph	29.87 in	0.1 in	ight Rain with Thunde
1:28 PM	76 °F	66 °F	71 %	N	7 mph	0 mph	29.85 in	0.0 in	Thunder in the Vicinity

ACTION LIMIT REPORT

Project Location: 2-33 50th Avenue, Long Island City, NY 11101
Tax Block 17 Lot 1

Date: 7/21/2021 Time: 9:16 and 10:01

Name: Jeffrey Wills

Contaminant: PM-10: Yes VOC: No

Wind Speed: 8 mph Wind Direction: NNW

Temperature: 79 °F Barometric Pressure: 29.85" Hg

DOWNWIND DATA

Monitor ID #: 8530153504 Location: 9:16 Level Reported: 0.136 mg/m3

Monitor ID#: 8530153504 Location: 10:01 Level Reported: 0.308 mg/m3

UPWIND DATA

Monitor ID #: 8530131405 Location: 9:16 Level Reported: 0.250 mg/m3

Monitor ID#: 8530131405 Location: 10:01 Level Reported: 0.659 mg/m3

BACKGROUND CORRECTED LEVELS

Monitor ID #: NA Location: 9:16 Level Reported: -0.114 mg/m3

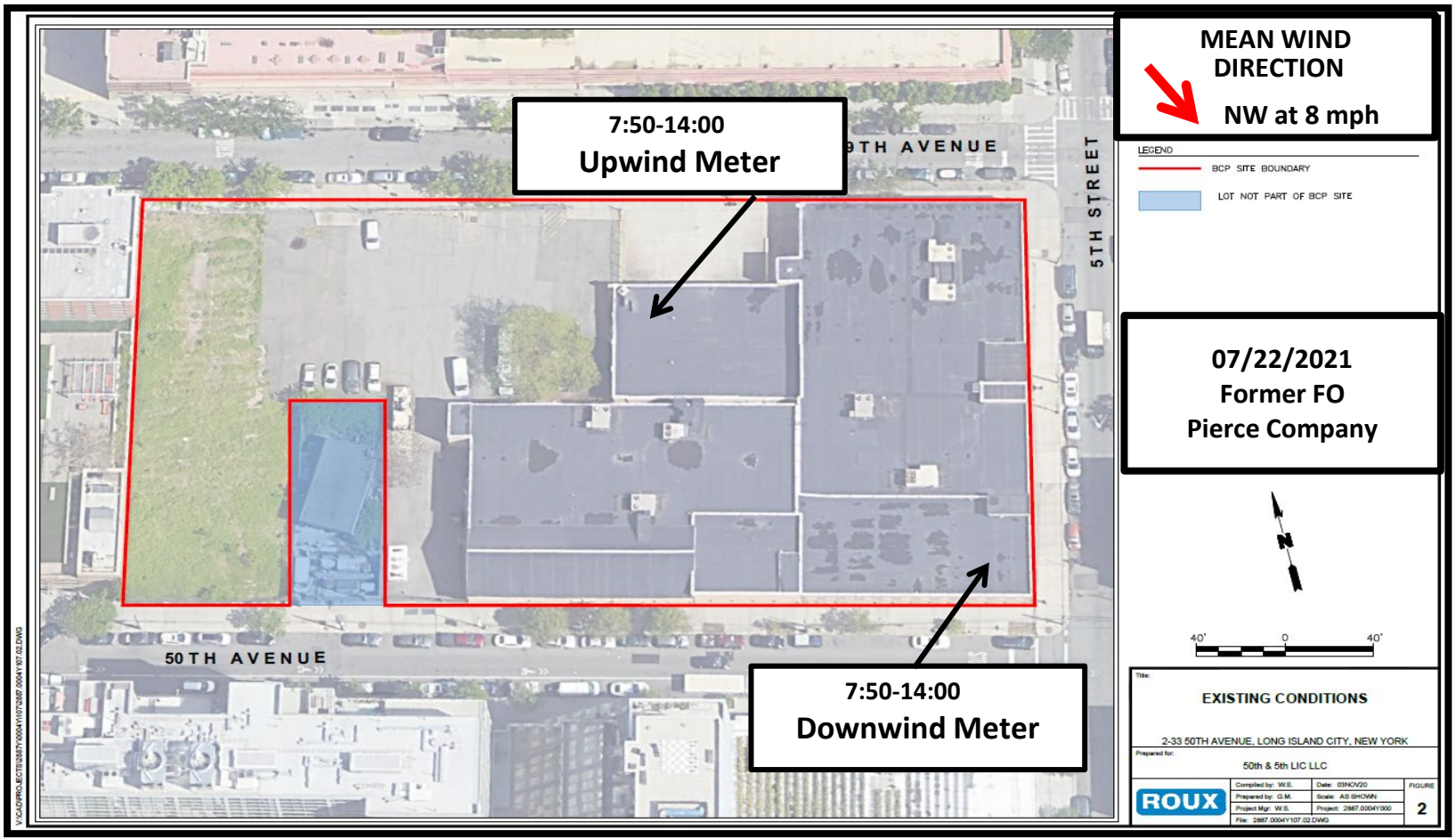
Monitor ID#: NA Location: 10:01 Level Reported: -0.351 mg/m3

ACTIVITY DESCRIPTION

Adjoining geotechnical drilling operation not associated with Remedial Investigation activities.

CORRECTIVE ACTION TAKEN

Informed geotechnical drillers of particulate exceedance and instructed them to more frequently wet work area. No visible dust was observed and activities were confined within the Site's warehouse. No complaints were receeived from the surrounding community.


7:50-14:00
Upwind Meter
9TH AVENUE
5TH STREET
50 TH AVENUE
7:50-14:00
Downwind Meter
MEAN WIND DIRECTION
NW at 8 mph
LEGEND
BCP SITE BOUNDARY
LOT NOT PART OF BCP SITE
07/22/2021
Former FO
Pierce Company
40' 0 40'
EXISTING CONDITIONS
2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK
50th & 5th LIC LLC
ROUX
FIGURE
2

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Dust

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/22/2021

Upwind Serial Number 8530131405
Downwind Serial Number 8530153504

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [mg/m3]	Time	Concentration [mg/m3]	Concentration [mg/m3]	
7:57 AM	0.052	8:01 AM	0.041	-0.011	
8:12 AM	0.075	8:16 AM	0.041	-0.034	
8:27 AM	0.075	8:31 AM	0.042	-0.033	
8:42 AM	0.101	8:46 AM	0.056	-0.045	
8:57 AM	0.068	9:01 AM	0.045	-0.023	
9:12 AM	0.084	9:16 AM	0.050	-0.034	
9:27 AM	0.057	9:31 AM	0.056	-0.001	
9:42 AM	0.040	9:46 AM	0.047	0.007	
9:57 AM	0.037	10:01 AM	0.034	-0.003	
10:12 AM	0.062	10:16 AM	0.037	-0.025	
10:27 AM	0.072	10:31 AM	0.044	-0.028	
10:42 AM	0.146	10:46 AM	0.051	-0.095	
10:57 AM	0.130	11:01 AM	0.078	-0.052	
11:12 AM	0.101	11:16 AM	0.096	-0.005	
11:27 AM	0.066	11:31 AM	0.060	-0.006	
11:42 AM	0.050	11:46 AM	0.049	-0.001	
11:57 AM	0.057	12:01 PM	0.053	-0.004	
12:12 PM	0.071	12:16 PM	0.046	-0.025	
12:27 PM	0.058	12:31 PM	0.042	-0.016	
12:42 PM	0.043	12:46 PM	0.037	-0.006	
12:57 PM	0.040	1:01 PM	0.037	-0.003	
1:12 PM	0.052	1:16 PM	0.061	0.009	
1:27 PM	0.072	1:31 PM	0.073	0.001	
1:42 PM	0.065	1:46 PM	0.066	0.001	
1:57 PM	0.096	2:01 PM	NR	0.096	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location in mg/m3 and then corrected to ug/m3 to account for site specific exceedance limit of 100 ug/m3.

2. Location of downwind meter is typically designated as "Downwind (1)". If there are multiple work areas that require downwind monitoring then each respective downwind location is designated by "Downwind (1)", "Downwind (2)", etc. until all work areas are adequately covered.

3. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - VOC

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/22/2021

Upwind Serial Number 592-920865
Downwind Serial Number 592-916202

Upwind		Downwind		Corrected[1] Downwind	Comments
Time	VOC Average (ppm)	Time	VOC Average (ppm)	VOC Average (ppm)	
8:00 AM	0.1	8:02 AM	0.0	-0.1	
8:15 AM	0.1	8:17 AM	0.0	-0.1	
8:30 AM	0.1	8:32 AM	0.0	-0.1	
8:45 AM	0.2	8:47 AM	0.0	-0.2	
9:00 AM	0.2	9:02 AM	0.0	-0.2	
9:15 AM	0.2	9:17 AM	0.0	-0.2	
9:30 AM	0.3	9:32 AM	0.0	-0.3	
9:45 AM	0.3	9:47 AM	0.0	-0.3	
10:00 AM	0.3	10:02 AM	0.0	-0.3	
10:15 AM	0.3	10:17 AM	0.0	-0.3	
10:30 AM	0.3	10:32 AM	0.0	-0.3	
10:45 AM	0.3	10:47 AM	0.0	-0.3	
11:00 AM	0.3	11:02 AM	0.0	-0.3	
11:15 AM	0.4	11:17 AM	0.0	-0.4	
11:30 AM	0.4	11:32 AM	0.0	-0.4	
11:45 AM	0.4	11:47 AM	0.0	-0.4	
12:00 PM	0.4	12:02 PM	0.0	-0.4	
12:15 PM	0.4	12:17 PM	0.0	-0.4	
12:30 PM	0.4	12:32 PM	0.0	-0.4	
12:45 PM	NR	12:47 PM	0.0	0.0	
1:00 PM	NR	1:02 PM	0.0	0.0	
1:15 PM	NR	1:17 PM	0.0	0.0	
1:30 PM	NR	1:32 PM	0.0	0.0	
1:45 PM	NR	1:47 PM	0.0	0.0	

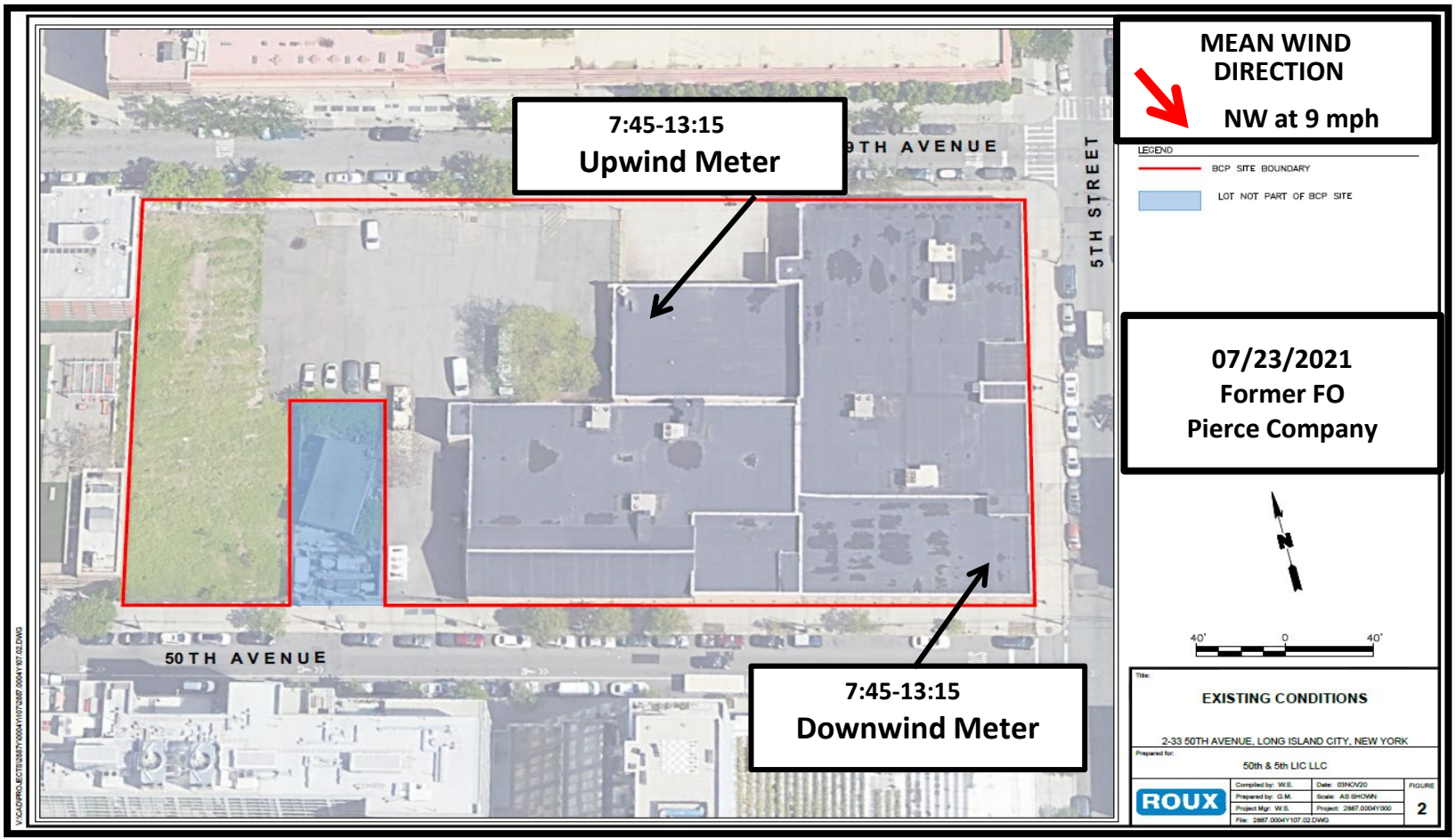
Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.
2. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Weather

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/22/2021

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Condition
6:51 AM	69 °F	58 °F	68 %	NW	8 mph	0 mph	30.02 in	0.0 in	Fair
7:51 AM	71 °F	56 °F	59 %	NW	8 mph	0 mph	30.02 in	0.0 in	Fair
8:51 AM	73 °F	55 °F	53 %	NW	10 mph	0 mph	30.04 in	0.0 in	Fair
9:51 AM	75 °F	56 °F	51 %	WNW	7 mph	0 mph	30.04 in	0.0 in	Fair
10:51 AM	77 °F	55 °F	46 %	VAR	6 mph	0 mph	30.05 in	0.0 in	Fair
11:51 AM	79 °F	54 °F	42 %	N	12 mph	0 mph	30.05 in	0.0 in	Mostly Cloudy
12:51 PM	80 °F	53 °F	39 %	N	5 mph	0 mph	30.05 in	0.0 in	Mostly Cloudy
1:51 PM	81 °F	55 °F	41 %	NW	6 mph	0 mph	30.03 in	0.0 in	Mostly Cloudy
2:51 PM	81 °F	52 °F	36 %	N	8 mph	0 mph	30.03 in	0.0 in	Mostly Cloudy


7:45-13:15
Upwind Meter
9TH AVENUE
5TH STREET
50TH AVENUE
7:45-13:15
Downwind Meter
MEAN WIND DIRECTION
NW at 9 mph
LEGEND
BCP SITE BOUNDARY
LOT NOT PART OF BCP SITE
07/23/2021
Former FO
Pierce Company
N
40' 0 40'
EXISTING CONDITIONS
2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK
50th & 5th LIC LLC
ROUX
FIGURE
2

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Dust

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/23/2021

Upwind Serial Number 8530131405
Downwind Serial Number 8530153504

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [mg/m3]	Time	Concentration [mg/m3]	Concentration [mg/m3]	
7:55 AM	0.025	7:57 AM	0.034	0.009	
8:10 AM	0.027	8:12 AM	0.024	-0.003	
8:25 AM	0.058	8:27 AM	0.061	0.003	
8:40 AM	0.088	8:42 AM	0.098	0.010	
8:55 AM	0.081	8:57 AM	0.069	-0.012	
9:10 AM	0.058	9:12 AM	0.050	-0.008	
9:25 AM	0.072	9:27 AM	0.048	-0.024	
9:40 AM	0.113	9:42 AM	0.049	-0.064	
9:55 AM	0.100	9:57 AM	0.045	-0.055	
10:10 AM	0.090	10:12 AM	0.040	-0.050	
10:25 AM	0.052	10:27 AM	0.033	-0.019	
10:40 AM	0.063	10:42 AM	0.030	-0.033	
10:55 AM	0.049	10:57 AM	0.030	-0.019	
11:10 AM	0.044	11:12 AM	0.028	-0.016	
11:25 AM	0.040	11:27 AM	0.028	-0.012	
11:40 AM	0.035	11:42 AM	0.026	-0.009	
11:55 AM	0.046	11:57 AM	0.034	-0.012	
12:10 PM	0.035	12:12 PM	0.032	-0.003	
12:25 PM	0.045	12:27 PM	0.034	-0.011	
12:40 PM	0.049	12:42 PM	0.036	-0.013	
12:55 PM	0.076	12:57 PM	0.049	-0.027	
1:10 PM	0.051	1:12 PM	0.044	-0.007	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location in mg/m3 and then corrected to ug/m3 to account for site specific exceedance limit of 100 ug/m3.

2. Location of downwind meter is typically designated as "Downwind (1)". If there are multiple work areas that require downwind monitoring then each respective downwind location is designated by "Downwind (1)", "Downwind (2)", etc. until all work areas are adequately covered.

3. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - VOC

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/23/2021

Upwind Serial Number 592-920865
Downwind Serial Number 592-916202

Upwind		Downwind		Corrected[1] Downwind	Comments
Time	VOC Average (ppm)	Time	VOC Average (ppm)	VOC Average (ppm)	
7:58 AM	0.0	8:00 AM	0.0	0.0	
8:13 AM	0.1	8:15 AM	0.0	-0.1	
8:28 AM	0.1	8:30 AM	0.0	-0.1	
8:43 AM	0.1	8:45 AM	0.0	-0.1	
8:58 AM	0.2	9:00 AM	0.0	-0.2	
9:13 AM	0.2	9:15 AM	0.0	-0.2	
9:28 AM	0.2	9:30 AM	0.0	-0.2	
9:43 AM	0.2	9:45 AM	0.0	-0.2	
9:58 AM	0.2	10:00 AM	0.0	-0.2	
10:13 AM	0.2	10:15 AM	0.0	-0.2	
10:28 AM	0.2	10:30 AM	0.0	-0.2	
10:43 AM	0.3	10:45 AM	0.0	-0.3	
10:58 AM	0.3	11:00 AM	0.0	-0.3	
11:13 AM	0.3	11:15 AM	0.0	-0.3	
11:28 AM	0.3	11:30 AM	0.0	-0.3	
11:43 AM	0.3	11:45 AM	0.0	-0.3	
11:58 AM	0.3	12:00 PM	0.0	-0.3	
12:13 PM	0.3	12:15 PM	0.0	-0.3	
12:28 PM	0.3	12:30 PM	0.0	-0.3	
12:43 PM	0.3	12:45 PM	0.0	-0.3	
12:58 PM	0.3	1:00 PM	0.0	-0.3	
1:13 PM	0.3	1:15 PM	0.0	-0.3	

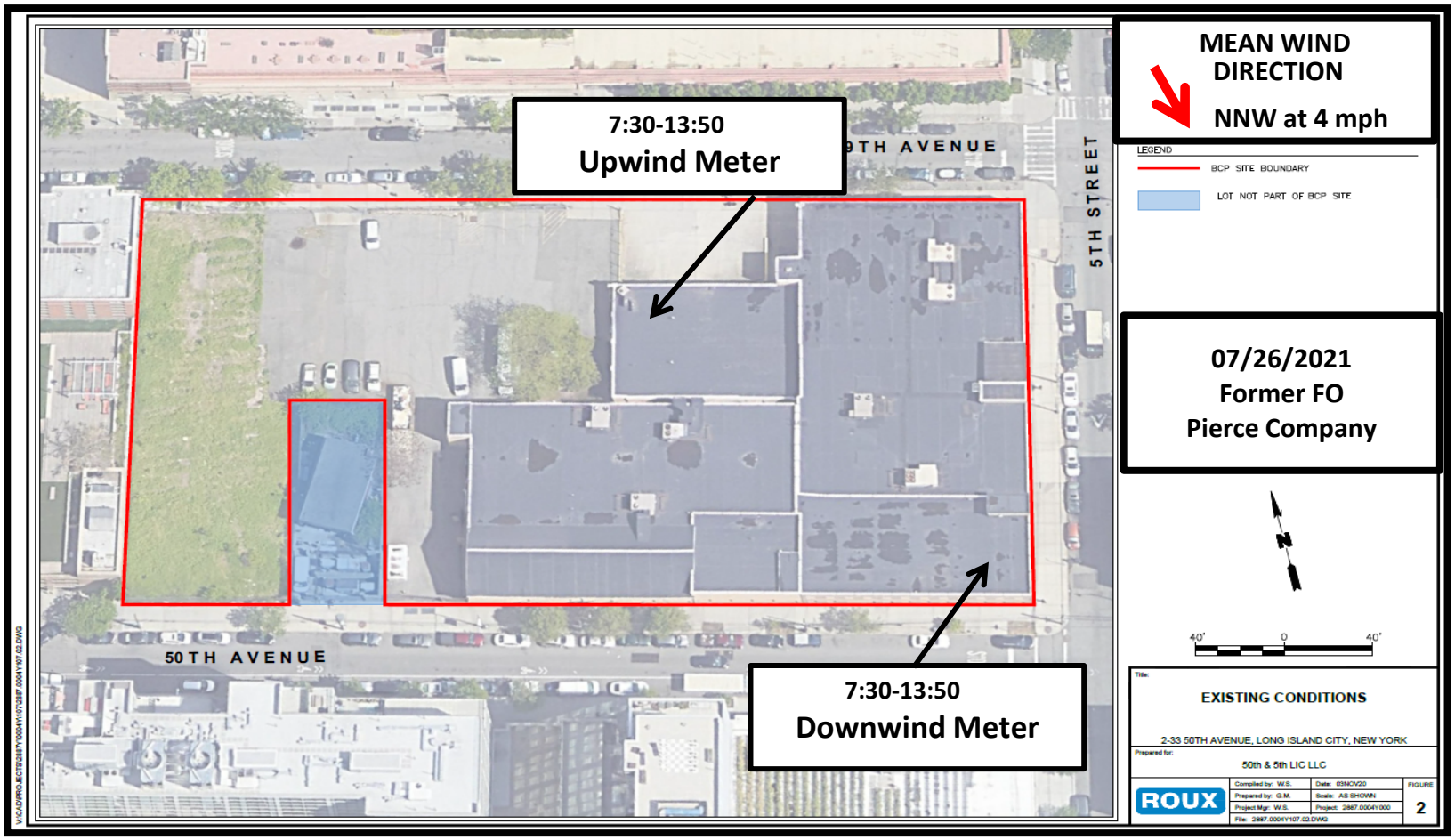
Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.
2. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Weather

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/23/2021

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Condition
6:51 AM	70 °F	54 °F	57 %	NW	10 mph	0 mph	30.10 in	0.0 in	Fair
7:51 AM	72 °F	52 °F	49 %	NW	6 mph	0 mph	30.11 in	0.0 in	Fair
8:51 AM	74 °F	54 °F	50 %	NW	8 mph	0 mph	30.12 in	0.0 in	Fair
9:51 AM	76 °F	53 °F	45 %	NNW	8 mph	0 mph	30.11 in	0.0 in	Fair
10:51 AM	78 °F	53 °F	42 %	VAR	7 mph	0 mph	30.10 in	0.0 in	Fair
11:51 AM	80 °F	50 °F	35 %	NNW	14 mph	0 mph	30.10 in	0.0 in	Fair
12:51 PM	80 °F	51 °F	36 %	NNW	8 mph	0 mph	30.08 in	0.0 in	Partly Cloudy
1:51 PM	81 °F	50 °F	34 %	NE	12 mph	0 mph	30.07 in	0.0 in	Partly Cloudy


7:30-13:50
Upwind Meter
9TH AVENUE
5TH STREET
50 TH AVENUE
7:30-13:50
Downwind Meter
MEAN WIND DIRECTION
NNW at 4 mph
LEGEND
BCP SITE BOUNDARY
LOT NOT PART OF BCP SITE
07/26/2021
Former FO
Pierce Company
40' 0 40'
EXISTING CONDITIONS
2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK
50th & 5th LIC LLC
ROUX
FIGURE
2

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Dust

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/26/2021

Upwind Serial Number 8530131405
Downwind Serial Number 8530153504

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [mg/m3]	Time	Concentration [mg/m3]	Concentration [mg/m3]	
7:39 AM	0.314	7:41 AM	0.047	-0.267	
7:54 AM	0.162	7:56 AM	0.057	-0.105	Adjoining geotechnical drilling; instructed drillers to suppress dust.
8:09 AM	0.120	8:11 AM	0.051	-0.069	
8:24 AM	0.099	8:26 AM	0.058	-0.041	
8:39 AM	0.075	8:41 AM	0.053	-0.022	
8:54 AM	0.069	8:56 AM	0.068	-0.001	
9:09 AM	0.081	9:11 AM	0.050	-0.031	
9:24 AM	0.092	9:26 AM	0.054	-0.038	
9:39 AM	0.097	9:41 AM	0.055	-0.042	
9:54 AM	0.103	9:56 AM	0.058	-0.045	
10:09 AM	0.110	10:11 AM	0.040	-0.070	
10:24 AM	0.106	10:26 AM	0.044	-0.062	
10:39 AM	0.101	10:41 AM	0.050	-0.051	
10:54 AM	0.109	10:56 AM	0.058	-0.051	
11:09 AM	0.109	11:11 AM	0.057	-0.052	
11:24 AM	0.109	11:26 AM	0.055	-0.054	
11:39 AM	0.113	11:41 AM	0.050	-0.063	
11:54 AM	0.125	11:56 AM	0.058	-0.067	
12:09 PM	0.107	12:11 PM	0.057	-0.050	
12:24 PM	0.101	12:26 PM	0.046	-0.055	
12:39 PM	0.102	12:41 PM	0.053	-0.049	
12:54 PM	0.112	12:56 PM	0.052	-0.060	
1:09 PM	0.113	1:11 PM	0.059	-0.054	
1:24 PM	0.118	1:26 PM	0.072	-0.046	
1:39 PM	0.120	1:41 PM	0.060	-0.060	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location in mg/m3 and then corrected to ug/m3 to account for site specific exceedance limit of 100 ug/m3.

2. Location of downwind meter is typically designated as "Downwind (1)". If there are multiple work areas that require downwind monitoring then each respective downwind location is designated by "Downwind (1)", "Downwind (2)", etc. until all work areas are adequately covered.

3. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - VOC

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/26/2021

Upwind Serial Number 592-920865
Downwind Serial Number 592-916202

Upwind		Downwind		Corrected[1] Downwind	Comments
Time	VOC Average (ppm)	Time	VOC Average (ppm)	VOC Average (ppm)	
7:44 AM	0.0	7:44 AM	0.0	0.0	
7:59 AM	0.0	7:59 AM	0.0	0.0	
8:14 AM	0.1	8:14 AM	0.0	-0.1	
8:29 AM	0.1	8:29 AM	0.0	-0.1	
8:44 AM	0.1	8:44 AM	0.0	-0.1	
8:59 AM	0.1	8:59 AM	0.0	-0.1	
9:14 AM	0.2	9:14 AM	0.0	-0.2	
9:29 AM	0.2	9:29 AM	0.0	-0.2	
9:44 AM	0.2	9:44 AM	0.0	-0.2	
9:59 AM	0.3	9:59 AM	0.0	-0.3	
10:14 AM	0.3	10:14 AM	0.0	-0.3	
10:29 AM	0.3	10:29 AM	0.0	-0.3	
10:44 AM	0.3	10:44 AM	0.0	-0.3	
10:59 AM	0.3	10:59 AM	0.0	-0.3	
11:14 AM	0.3	11:14 AM	0.0	-0.3	
11:29 AM	0.3	11:29 AM	0.0	-0.3	
11:44 AM	0.3	11:44 AM	0.0	-0.3	
11:59 AM	0.3	11:59 AM	0.0	-0.3	
12:14 PM	0.3	12:14 PM	0.0	-0.3	
12:29 PM	0.3	12:29 PM	0.0	-0.3	
12:44 PM	0.3	12:44 PM	0.0	-0.3	
12:59 PM	0.4	12:59 PM	0.0	-0.4	
1:14 PM	0.3	1:14 PM	0.0	-0.3	
1:29 PM	0.3	1:29 PM	0.0	-0.3	
1:44 PM	0.4	1:44 PM	0.0	-0.4	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.
2. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Weather

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/26/2021

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Condition
6:51 AM	77 °F	70 °F	79 %	CALM	0 mph	0 mph	29.85 in	0.0 in	Mostly Cloudy
7:51 AM	78 °F	71 °F	79 %	NNW	6 mph	0 mph	29.86 in	0.0 in	Haze
8:51 AM	80 °F	71 °F	74 %	WNW	5 mph	0 mph	29.87 in	0.0 in	Mostly Cloudy
9:51 AM	82 °F	67 °F	60 %	NW	5 mph	0 mph	29.86 in	0.0 in	Cloudy
10:51 AM	85 °F	62 °F	46 %	NNW	6 mph	0 mph	29.87 in	0.0 in	Cloudy
11:51 AM	86 °F	63 °F	46 %	NNW	5 mph	0 mph	29.87 in	0.0 in	Mostly Cloudy
12:51 PM	86 °F	63 °F	46 %	N	3 mph	0 mph	29.87 in	0.0 in	Mostly Cloudy
1:51 PM	89 °F	61 °F	39 %	CALM	0 mph	0 mph	29.86 in	0.0 in	Mostly Cloudy

ACTION LIMIT REPORT

Project Location: 2-33 50th Avenue, Long Island City, NY 11101
Tax Block 17 Lot 1

Date: 7/26/2021 Time: 7:54

Name: Jeffrey Wills

Contaminant: PM-10: Yes VOC: No

Wind Speed: 4 mph Wind Direction: NNW

Temperature: 78 °F Barometric Pressure: 29.86" Hg

DOWNWIND DATA

Monitor ID #: 8530153504 Location: 7:54 Level Reported: 0.057 mg/m3

Monitor ID#: Location: Level Reported:

UPWIND DATA

Monitor ID #: 8530131405 Location: 7:54 Level Reported: 0.162 mg/m3

Monitor ID#: Location: Level Reported:

BACKGROUND CORRECTED LEVELS

Monitor ID #: NA Location: 7:54 Level Reported: -0.105 mg/m3

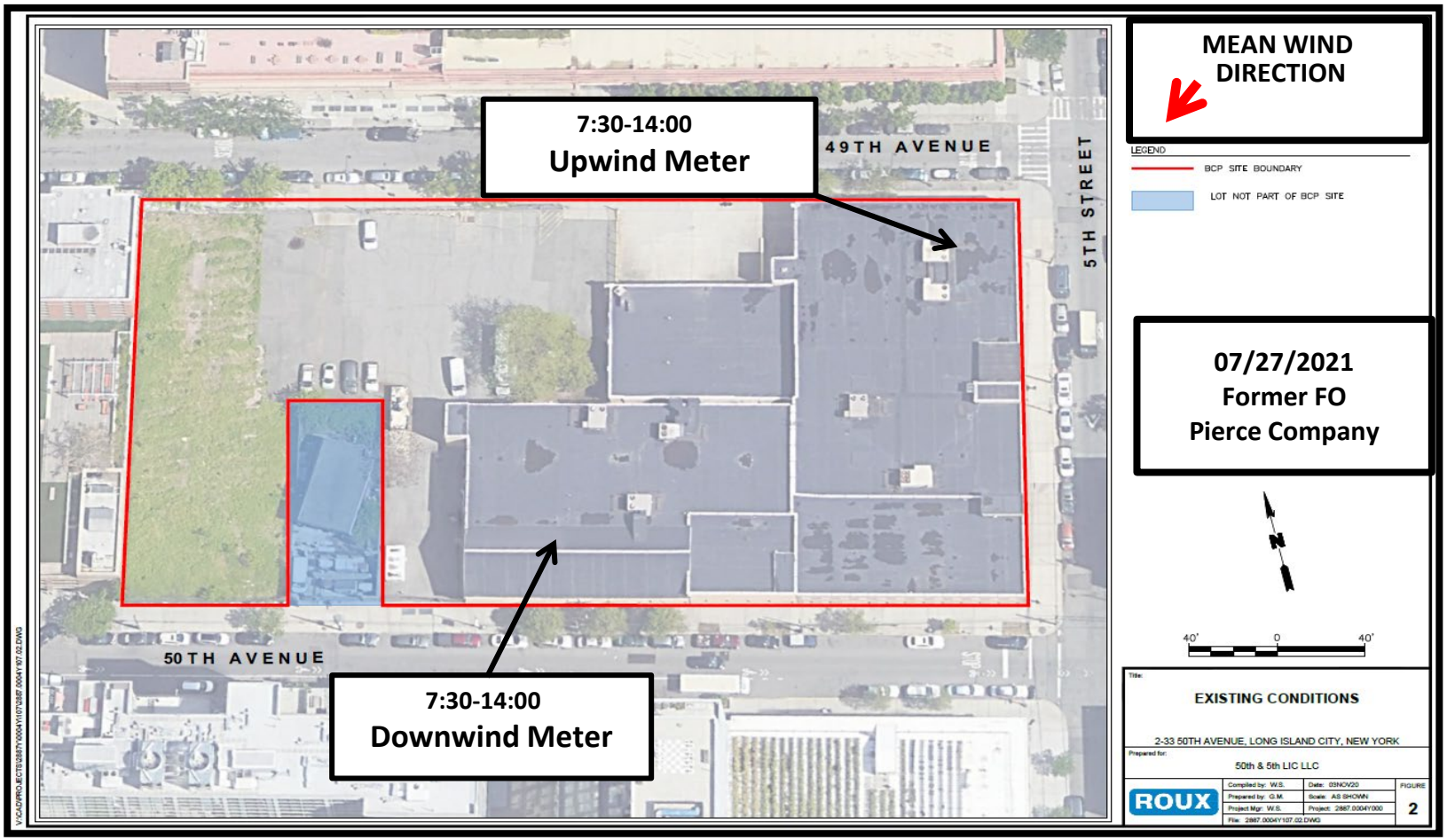
Monitor ID#: Location: Level Reported:

ACTIVITY DESCRIPTION

Adjoining geotechnical drilling operation not associated with Remedial Investigation activities.

CORRECTIVE ACTION TAKEN

Informed geotechnical drillers of particulate exceedance and instructed them to more frequently wet work area. No visible dust was observed and activities were confined within the Site's warehouse. No complaints were receeived from the surrounding community.


7:30-14:00
Upwind Meter
49TH AVENUE
5TH STREET
50TH AVENUE
7:30-14:00
Downwind Meter
MEAN WIND DIRECTION
LEGEND
BCP SITE BOUNDARY
LOT NOT PART OF BCP SITE
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40' 0 40'
EXISTING CONDITIONS
2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK
50th & 5th LIC LLC
ROUX
FIGURE
2

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Dust

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/27/2021

Upwind Serial Number 8530131405
Downwind Serial Number 8530153504

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [mg/m3]	Time	Concentration [mg/m3]	Concentration [mg/m3]	
7:31 AM	0.104	7:33 AM	0.045	-0.059	
7:46 AM	0.125	7:48 AM	0.047	-0.078	
8:01 AM	0.123	8:03 AM	0.052	-0.071	
8:16 AM	0.106	8:18 AM	0.090	-0.016	
8:31 AM	0.104	8:33 AM	0.098	-0.006	
8:46 AM	0.117	8:48 AM	0.087	-0.030	
9:01 AM	0.108	9:03 AM	0.089	-0.019	
9:16 AM	0.109	9:18 AM	0.090	-0.019	
9:31 AM	0.104	9:33 AM	0.098	-0.006	
9:46 AM	0.106	9:48 AM	0.100	-0.006	
10:01 AM	0.116	10:03 AM	0.102	-0.014	
10:16 AM	0.129	10:18 AM	0.107	-0.022	
10:31 AM	0.127	10:33 AM	0.102	-0.025	
10:46 AM	0.136	10:48 AM	0.098	-0.038	
11:01 AM	0.125	11:03 AM	0.101	-0.024	
11:16 AM	0.126	11:18 AM	0.109	-0.017	
11:31 AM	0.121	11:33 AM	0.103	-0.018	
11:46 AM	0.121	11:48 AM	0.099	-0.022	
12:01 PM	0.126	12:03 PM	0.101	-0.025	
12:16 PM	0.131	12:18 PM	0.106	-0.025	
12:31 PM	0.121	12:33 PM	0.080	-0.041	
12:46 PM	0.108	12:48 PM	0.097	-0.011	
1:01 PM	0.111	1:03 PM	0.089	-0.022	
1:16 PM	0.106	1:18 PM	0.075	-0.031	
1:31 PM	0.108	1:33 PM	0.065	-0.043	
1:46 PM	NR	1:48 PM	0.065	0.065	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location in mg/m3 and then corrected to ug/m3 to account for site specific exceedance limit of 100 ug/m3.

2. Location of downwind meter is typically designated as "Downwind (1)". If there are multiple work areas that require downwind monitoring then each respective downwind location is designated by "Downwind (1)", "Downwind (2)", etc. until all work areas are adequately covered.

3. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - VOC

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/27/2021

Upwind Serial Number 592-920865
Downwind Serial Number 592-916202

Upwind		Downwind		Corrected[1] Downwind	Comments
Time	VOC Average (ppm)	Time	VOC Average (ppm)	VOC Average (ppm)	
7:34 AM	0.1	7:37 AM	0.0	-0.1	
7:49 AM	0.1	7:52 AM	0.0	-0.1	
8:04 AM	0.2	8:07 AM	0.0	-0.2	
8:19 AM	0.2	8:22 AM	0.0	-0.2	
8:34 AM	0.3	8:37 AM	0.0	-0.3	
8:49 AM	0.3	8:52 AM	0.0	-0.3	
9:04 AM	0.3	9:07 AM	0.0	-0.3	
9:19 AM	0.4	9:22 AM	0.0	-0.4	
9:34 AM	0.4	9:37 AM	0.0	-0.4	
9:49 AM	0.4	9:52 AM	0.0	-0.4	
10:04 AM	0.4	10:07 AM	0.0	-0.4	
10:19 AM	0.4	10:22 AM	0.0	-0.4	
10:34 AM	0.4	10:37 AM	0.0	-0.4	
10:49 AM	0.4	10:52 AM	0.0	-0.4	
11:04 AM	0.4	11:07 AM	0.0	-0.4	
11:19 AM	0.4	11:22 AM	0.1	-0.3	
11:34 AM	0.4	11:37 AM	0.1	-0.3	
11:49 AM	0.4	11:52 AM	0.1	-0.3	
12:04 PM	0.4	12:07 PM	0.1	-0.3	
12:19 PM	0.4	12:22 PM	0.1	-0.3	
12:34 PM	0.4	12:37 PM	0.1	-0.3	
12:49 PM	0.4	12:52 PM	0.0	-0.4	
1:04 PM	0.4	1:07 PM	0.0	-0.4	
1:19 PM	0.4	1:22 PM	0.0	-0.4	
1:34 PM	NR	1:37 PM	0.0	0.0	
1:49 PM	NR	1:52 PM	0.0	0.0	

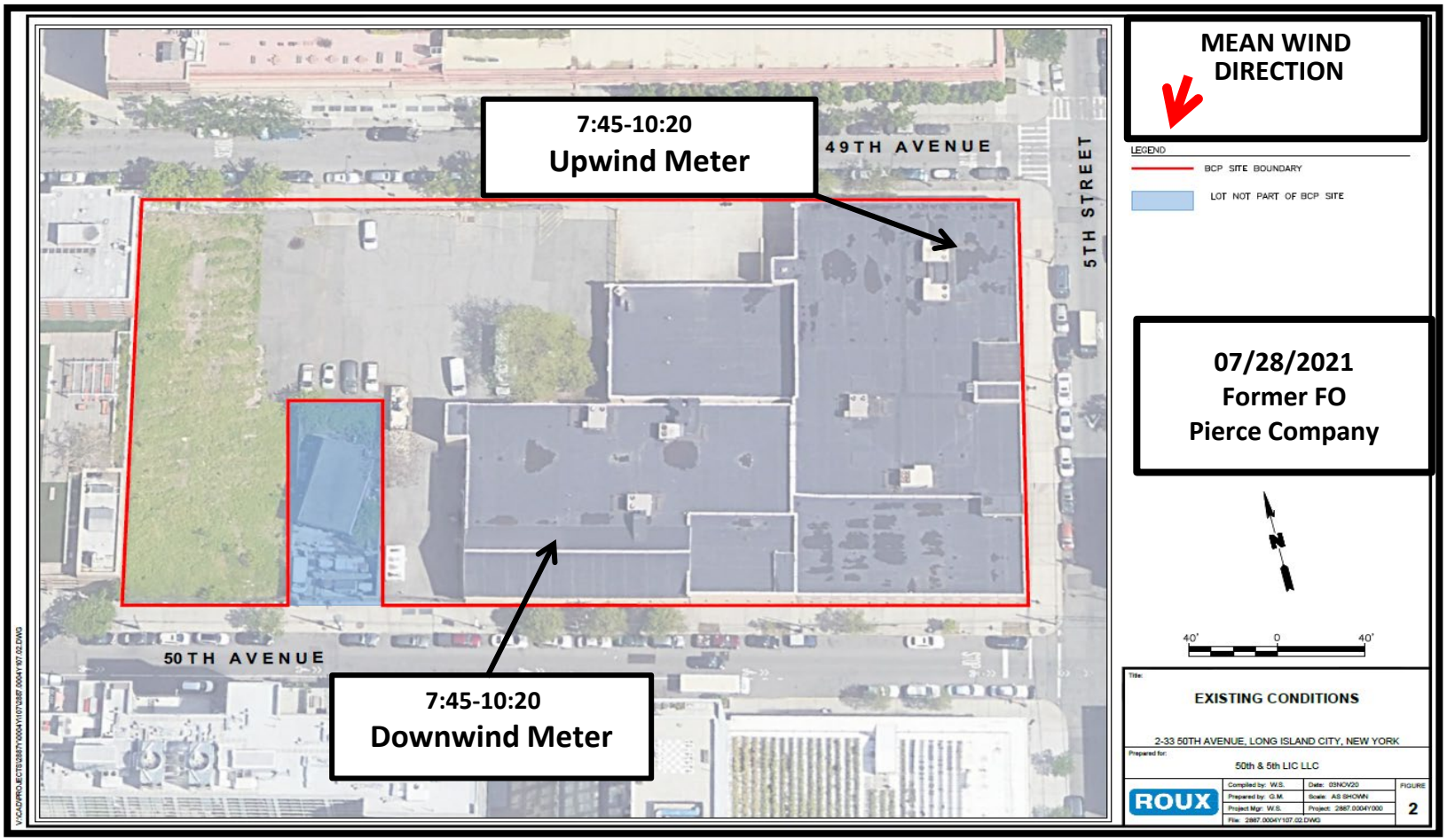
Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.
2. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Weather

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/27/2021

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Condition
6:51 AM	74 °F	64 °F	71 %	ENE	5 mph	0 mph	29.93 in	0.0 in	Fair
7:51 AM	77 °F	63 °F	62 %	ENE	6 mph	0 mph	29.93 in	0.0 in	Fair
8:51 AM	81 °F	63 °F	54 %	ENE	3 mph	0 mph	29.92 in	0.0 in	Partly Cloudy
9:51 AM	86 °F	60 °F	41 %	SSW	6 mph	0 mph	29.92 in	0.0 in	Partly Cloudy
10:51 AM	88 °F	57 °F	35 %	CALM	0 mph	0 mph	29.93 in	0.0 in	Fair
11:51 AM	88 °F	56 °F	34 %	VAR	5 mph	0 mph	29.92 in	0.0 in	Fair
12:51 PM	90 °F	55 °F	30 %	SSE	9 mph	18 mph	29.91 in	0.0 in	Fair
1:51 PM	90 °F	59 °F	35 %	SSE	14 mph	20 mph	29.89 in	0.0 in	Partly Cloudy
2:51 PM	90 °F	59 °F	35 %	S	14 mph	0 mph	29.89 in	0.0 in	Partly Cloudy


7:45-10:20
Upwind Meter
49TH AVENUE
5TH STREET
50TH AVENUE
7:45-10:20
Downwind Meter
MEAN WIND DIRECTION
LEGEND
BCP SITE BOUNDARY
LOT NOT PART OF BCP SITE
07/28/2021
Former FO
Pierce Company
N
40' 0 40'
EXISTING CONDITIONS
2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK
50th & 5th LIC LLC
ROUX
FIGURE
2

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Dust

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/28/2021

Upwind Serial Number 8530131405
Downwind Serial Number 8530153504

Upwind		Downwind		Corrected Downwind	Comments
Time	Concentration [mg/m3]	Time	Concentration [mg/m3]	Concentration [mg/m3]	
7:48 AM	0.046	7:46 AM	0.044	-0.002	
8:03 AM	0.044	8:01 AM	0.042	-0.002	
8:18 AM	0.048	8:16 AM	0.048	0.000	
8:33 AM	0.042	8:31 AM	0.039	-0.003	
8:48 AM	0.048	8:46 AM	0.049	0.001	
9:03 AM	0.050	9:01 AM	0.059	0.009	
9:18 AM	0.050	9:16 AM	0.045	-0.005	
9:33 AM	0.062	9:31 AM	0.056	-0.006	
9:48 AM	0.047	9:46 AM	0.044	-0.003	
10:03 AM	0.044	10:01 AM	0.040	-0.004	
10:18 AM	0.046	10:16 AM	0.042	-0.004	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location in mg/m3 and then corrected to ug/m3 to account for site specific exceedance limit of 100 ug/m3.

2. Location of downwind meter is typically designated as "Downwind (1)". If there are multiple work areas that require downwind monitoring then each respective downwind location is designated by "Downwind (1)", "Downwind (2)", etc. until all work areas are adequately covered.

3. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - VOC

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/28/2021

Upwind Serial Number 592-920865
Downwind Serial Number 592-916202

Upwind		Downwind		Corrected[1] Downwind	Comments
Time	VOC Average (ppm)	Time	VOC Average (ppm)	VOC Average (ppm)	
7:51 AM	0.1	7:50 AM	0.0	-0.1	
8:06 AM	0.2	8:05 AM	0.0	-0.2	
8:21 AM	0.3	8:20 AM	0.0	-0.3	
8:36 AM	0.3	8:35 AM	0.0	-0.3	
8:51 AM	0.3	8:50 AM	0.0	-0.3	
9:06 AM	0.3	9:05 AM	0.0	-0.3	
9:21 AM	0.3	9:20 AM	0.0	-0.3	
9:36 AM	0.3	9:35 AM	0.0	-0.3	
9:51 AM	0.3	9:50 AM	0.0	-0.3	
10:06 AM	0.3	10:05 AM	0.0	-0.3	
10:21 AM	0.3	10:20 AM	0.0	-0.3	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.
2. NR = Not Recorded

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - Weather

Project: Former FO Pierce Company
PM: Jeffrey Wills
Location: 2-33 50th Avenue, Long Island City
Date: 7/28/2021

Time	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Condition
6:51 AM	72 °F	64 °F	76 %	NNE	6 mph	0 mph	29.93 in	0.0 in	Partly Cloudy
7:51 AM	73 °F	63 °F	71 %	N	9 mph	0 mph	29.95 in	0.0 in	Fair
8:51 AM	75 °F	63 °F	66 %	N	6 mph	0 mph	29.96 in	0.0 in	Fair
9:51 AM	74 °F	64 °F	71 %	NNE	8 mph	0 mph	29.97 in	0.0 in	Mostly Cloudy
10:51 AM	77 °F	63 °F	62 %	NNW	8 mph	0 mph	29.98 in	0.0 in	Partly Cloudy

APPENDIX M

Disposal Documentation

CleanEarth

Facility for Approval: ESOL - Hatfield, PA

Profile #:

Generator #:

Requested Process Code

Approval Date

Approved Process Code

Customer Experience Manager:

Account Manager:

A: GENERATOR INFORMATION Name: Fortress New York Holdings, Inc. NAICS EPA ID#: CESQG

Site Address: 2-33 50th Avenue City: Long Island City State: NY Zip: 11101

Mailing Address: 99 Boston Street City: Boston State: MA Zip: 02125

Contact: Bradon Vella Email: bvella@rouxinc.com Phone: (516) 554-4220 Fax:

Title: Manifest ER phone #: (267)406-0083 Subpart P ☐ Yes ☑ No State ID#

Generator Status: ☐ LQG ☐ SQG ☑ VSQG/CESQG NESHAP Generator: ☐ Yes ☑ No → NESHAP TAB ☐ Yes ☑ No

TSDF Approval List ☐ Yes ☑ No Disposal Restrictions:

B: CUSTOMER/BILLING/BROKER INFORMATION: ☐ Same as Generating Facility address

Company Name: Innovative Recycling Technologies, Inc. Phone: (631) 225-3044

Address: 690 N Queens Ave. City: Lindenhurst State NY Zip: 11757

Contact: John Dull Email: jdull@irtwaste.com Fax: (631) 225-3056

C: WASTE INFORMATION: Waste Common Name: Drill Cuttings

Process generating Waste (be specific): Soil borings /installation of temp wells

Form: W Source: G Origin: Unused Commercial Product: ☐ Yes ☑ No Spill Residue: ☐ Yes ☑ No

Loosepack ☐ Yes ☑ No Generator has provided the following: ☑ Analysis ☐ Formulary ☐ SDS ☐ Sample

D PHYSICAL CHARACTERISTICS OF WASTE Enter all applicable information and check all that apply:

Layers:	Physical State (Liquid, Solid, Sludge, Comp Gas, Debris, Powder, Monolithic solid)	Range (30% max)	Color	Specific Gravity (water=1, oil<1, sol >1)	Viscosity (Low-water, Med-oil, High-Honey)
☐ Multi-layered	Top Layer: Water	10 - 20	Murky	1	
☑ Bi-Layered	Middle Layer:	-			
☐ Single Phased	Bottom Layer: Soil	80 - 90	Brown	>1	

Odor ☑ None ☐ Mild ☐ Strong Description: Pumpable: ☐ Yes ☑ No % Free Liquid: 10-20

pH: ☐ N/A ☐ ≤2 ☐ >2 -4 ☑ 4.01 - 10 ☐ 10.01-12.49 ☐ ≥12.5 Actual (D002: pH ≤2 or ≥12.5)

Liquid Flash Point: (D001 <140f) ☐ <73° F ☐ 73-100° F ☐ 101<140° F ☐ 140-200°F ☐ >200°F ☑ None Actual: ☑ Closed ☐ Open

BTU/lbs range: ☑ <2000 btu/lb ☐ 2000-5000 btu/lb ☐ >5000 btu/lb % Halogens: N/A % Water: 10-20 % Ash: N/A

E CHEMICAL COMPOSITION OF WASTE (TOTAL comp with all hazardous & non-hazardous must exceed 100% constituents):

Constituent	TRI (sec 313)	Range (max of 30%)	Constituent	TRI	Range
Soil	☐	80 to 90 %		☐	to %
Water	☐	10 to 20 %		☐	to %
	☐	to %		☐	to %
	☐	to %		☐	to %
	☐	to %		☐	to %

F Indicate if this waste contains any of the following and by what supporting means: ☑ Lab Analysis ☐ Generator Knowledge ☐ SDS

PCB ☑ N/A ppm Pesticides ☑ N/A ppm VOC (ppm) ☑ N/A

PCB TSCA Regulated ☐ Yes ☑ No Benzene ☑ N/A ppm ☐ <500 ☐ >500

Cyanides, Total ☑ N/A ppm Water >10% ☑ Yes ☐ No TOC ☑ N/A ☐ <1% Subject to Subpart CC:

Sulfides, Total ☑ N/A ppm NESHAP TAB ☐ Yes ☑ No ☐ 1-10% ☐ >10% ☐ Yes ☑ No

G Check all that may apply:

☐ Ignitable Solid	☐ Cyanide Reactive	☐ Reactive (Other)/Temp Sens	☐ CERCLA	☐ Dioxins	☐ Infectious
☐ Water Reactive	☐ Sulfide Reactive	☐ Oxidizer	☐ Asbestos, Friable	☐ Phenolics	☐ Radioactive
☐ APHIS Waste	☐ PFAS/PFOA	☐ Shock Sensitive	☐ Asbestos, Non-friable	☐ Ammonia	☐ Herbicides
		☐ Medical (sharps,needles)	☐ RCRA Haz Debris	☐ Subpart P	☐ Explosive

H REGULATED CONSTITUENTS: Check any regulated constituent above regulatory limit and note value. Check test method and source(s) used :

Test Type: ☑ TCLP ☐ Total Source(s): ☑ Analytical ☐ Generator Knowledge ☐ SDS

Volatile Compounds:	TCLP Limit (mg/l)
☐ D018 Benzene	0.5
☐ D019 Carbon Tetrachloride	0.5
☐ D020 Chlorobenzene	100.0
☐ D021 Chloroform	6.0
☐ D022 1,2-Dichloromethane	0.5
☐ D028 1,1-Dichloroethylene	0.7
☐ D035 Methyl ethyl ketone	200.0
☐ D039 Tetrachloroethylene	0.7
☐ D040 Trichloroethylene	0.5
☐ D043 Vinyl Chloride	0.2

Pesticide/Herbicide	
☐ D012 Endrin	0.02
☐ D013 Lindane	0.4
☐ D014 Methoxychlor	10.0
☐ D015 Toxaphene	0.5
☐ D016 2,4-D	10.0
☐ D017 2,4,5-TP (silvex)	1.0

Semi-Volatiles:	TCLP Limit (mg/l)
☐ D023 o-Cresol	200.0
☐ D024 m-Cresol	200.0
☐ D025 p-Cresol	200.0
☐ D026 Cresol (Total)	200.0
☐ D027 1,4-Dichlorobenzene	7.5
☐ D030 2,4-Dinitrotoluene	0.13
☐ D032 Hexachlorobenzene	0.13
☐ D033 Hexachlorobutadiene	0.5
☐ D034 Hexachloroethane	3.0
☐ D036 Nitrobenzene	2.0
☐ D037 Pentachlorophenol	100.0
☐ D038 Pyridine	5.0
☐ D041 2,4,5-Trichlorophenol	400.0
☐ D042 2,4,6-Trichlorophenol	2.0
☐ D020 Chlordane	0.03
☐ D031 Hepachlor (& its epoxide)	0.008

METALS:	TCLP Limit (mg/l)	
☐ D004 Arsenic (As)	5.0	____ ppm
☐ D005 Barium (Ba)	100.0	____ ppm
☐ D006 Cadmium (Cd)	1.0	____ ppm
☐ D007 Chromium (Cr)	5.0	____ ppm
☐ D008 Lead (Pb)	5.0	____ ppm
☐ D009 Mercury (Hg)	0.2	____ ppm
☐ D010 Selenium (Se)	1.0	____ ppm
☐ D011 Silver (Ag)	5.0	____ ppm
☐ Antimony (Sb)		____ ppm
☐ Beryllium (Be)		____ ppm
☐ Hexavalent Chrome (Cr+6)		____ ppm
☐ Cobalt (Co)		____ ppm
☐ Copper (Cu)		____ ppm
☐ Nickel (Ni)		____ ppm
☐ Thallium (Tl)		____ ppm
☐ Vanadium (V)		____ ppm
☐ Zinc (Zn)		____ ppm

I USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

EPA Hazardous Waste: ☐ Yes ☑ No Federal Universal Waste: ☐ Yes ☑ No EPA Exemption ref: _____

List ALL applicable RCRA waste codes: _____

State Regulated Waste : ☐ Yes ☑ No Generator State Universal Waste: ☐ Yes ☑ No DW/EHW: ☐ Yes ☑ No

List all applicable State waste codes : _____

Pennsylvania Generators: If you completed a source reduction strategy (PA FORM 25R link), please submit with this profile.

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? ☐ Yes ☑ No

This waste is a ☐ Wastewater (TOC<1%, TSS<1%) ☑ Non-wastewater LDR Material meets Federal Treatment Standards? ☐ Yes ☑ No

IDENTIFY ALL UHC's IN THIS WASTE STREAM : _____ _____ _____ _____

J SHIPPING INFORMATION : Limited Quantuty ☐ Yes ☑ No Marine Pollutant ☐ Yes ☑ No

Is this a DOT Hazardous Material? ☐ Yes ☑ No Reportable Quantity (RQ) item in pounds: _____

Inhalation Hazard? ☐ Yes ☑ No If Yes, ZONE? – Additional DOT Information: _____
(Ex. Lighter test, CA letter, Special Permit)

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST:

Non Hazardous Drill Cuttings, Non DOT Regulated Material

Ex: UN1993, Waste Flammable Liquid, N.O.S (acetone, methanol), 3, UN1993, PG II

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☑ Container (type/size): 55 gallon drum

Average Shipment Quantity w/ UOM (lbs, gallons, drums, etc): 6 Shipping Frequency (one time, daily, weekly, etc): [redacted] one time

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

Authorized Signature	Authorized Printed Name	Title	Date
Thomas Burns	Thomas Burns	C.E.O.	9/1/21

Permitted Facility for Approval

In accordance with 40 CFR 264.12(b),

Republic Environmental Systems (Pennsylvania), LLC has the appropriate permits for, and will accept the waste the generator is shipping as described in this profile.

Section To be completed by Clean Earth

SPECIAL HANDLING/ DISPOSAL INSTRUCTIONS:

☐ Requires PUSO TAB Profile ☐ Meets Categorical Discharge Standards CTW Category

CleanEarth

Facility for Approval: ESOL - Hatfield, PA

Profile #:

Generator #:

Requested Process Code

Approval Date

Approved Process Code

Customer Experience Manager:

Account Manager:

A: GENERATOR INFORMATION Name: Fortress New York Holdings, Inc. NAICS EPA ID#: CESQG

Site Address: 2-33 50th Avenue City: Long Island City State: NY Zip: 11101

Mailing Address: 99 Boston Street City: Boston State: MA Zip: 02125

Contact: Brandon Vella Email: bvella@rouxinc.com Phone: (516) 554-4220 Fax:

Title: Project Scientist Manifest ER phone #: (267)406-0083 Subpart P ☐ Yes ☑ No State ID#

Generator Status: ☐ LQG ☐ SQG ☑ VSQG/CESQG NESHAP Generator: ☐ Yes ☑ No NESHAP TAB ☐ Yes ☑ No

TSDF Approval List ☐ Yes ☑ No Disposal Restrictions:

B: CUSTOMER/BILLING/BROKER INFORMATION: ☐ Same as Generating Facility address

Company Name: Innovative Recycling Technologies, Inc. Phone: (631) 225-3044

Address: 690 N Queens Ave. City: Lindenhurst State NY Zip: 11757

Contact: John Dull Email: jdull@irtwaste.com Fax: (631) 225-3056

C: WASTE INFORMATION: Waste Common Name: Purge Water

Process generating Waste (be specific): Well development

Form: W Source: G Origin: Unused Commercial Product: ☐ Yes ☑ No Spill Residue: ☐ Yes ☑ No

Loosepack ☐ Yes ☑ No Generator has provided the following: ☑ Analysis ☐ Formulary ☐ SDS ☐ Sample

D PHYSICAL CHARACTERISTICS OF WASTE Enter all applicable information and check all that apply:

Layers:	Physical State (Liquid, Solid, Sludge, Comp Gas, Debris, Powder, Monolithic solid)	Range (30% max)	Color	Specific Gravity (water=1, oil<1, sol >1)	Viscosity (Low-water, Med-oil, High-Honey)
☐ Multi-layered	Top Layer: Water	100 - 100	Murky	1	
☐ Bi-Layered	Middle Layer:	-			
☑ Single Phased	Bottom Layer:	-			

Odor ☑ None ☐ Mild ☐ Strong Description: Pumpable: ☑ Yes ☐ No % Free Liquid: 100

pH: ☐ N/A ☐ ≤2 ☐ >2 -4 ☑ 4.01 - 10 ☐ 10.01-12.49 ☐ ≥12.5 Actual (D002: pH ≤2 or ≥12.5)

Liquid Flash Point: (D001 <140f) ☐ <73° F ☐ 73-100° F ☐ 101<140° F ☐ 140-200°F ☑ >200°F ☐ None Actual: ☑ Closed ☐ Open

BTU/lbs range: ☑ <2000 btu/lb ☐ 2000-5000 btu/lb ☐ >5000 btu/lb % Halogens: N/A % Water: 100 % Ash: N/A

E CHEMICAL COMPOSITION OF WASTE (TOTAL comp with all hazardous & non-hazardous must exceed 100% constituents):

Constituent	TRI (sec 313)	Range (max of 30%)	Constituent	TRI	Range
Water	☐	100 to 100 %		☐	to %
	☐	to %		☐	to %
	☐	to %		☐	to %
	☐	to %		☐	to %
	☐	to %		☐	to %

F Indicate if this waste contains any of the following and by what supporting means: ☑ Lab Analysis ☐ Generator Knowledge ☐ SDS

PCB ☑ N/A ppm Pesticides ☑ N/A ppm

PCB TSCA Regulated ☐ Yes ☑ No Benzene ☑ N/A ppm

Cyanides, Total ☑ N/A ppm Water >10% ☐ Yes ☑ No

Sulfides, Total ☑ N/A ppm NESHAP TAB ☐ Yes ☑ No

TOC: ☑ N/A ☐ <1% ☐ 1-10% ☐ >10%

VOC (ppm): ☑ N/A ☐ <500 ☐ >500

Subject to Subpart CC: ☐ Yes ☐ No

G Check all that may apply:

☐ Ignitable Solid	☐ Cyanide Reactive	☐ Reactive (Other)/Temp Sens	☐ CERCLA	☐ Dioxins	☐ Infectious
☐ Water Reactive	☐ Sulfide Reactive	☐ Oxidizer	☐ Asbestos, Friable	☐ Phenolics	☐ Radioactive
☐ APHIS Waste	☐ PFAS/PFOA	☐ Shock Sensitive	☐ Asbestos, Non-friable	☐ Ammonia	☐ Herbicides
		☐ Medical (sharps,needles)	☐ RCRA Haz Debris	☐ Subpart P	☐ Explosive

H REGULATED CONSTITUENTS: Check any regulated constituent above regulatory limit and note value. Check test method and source(s) used :

Test Type: ☑ TCLP ☐ Total Source(s): ☑ Analytical ☐ Generator Knowledge ☐ SDS

Volatile Compounds:	TCLP Limit (mg/l)
☐ D018 Benzene	0.5
☐ D019 Carbon Tetrachloride	0.5
☐ D020 Chlorobenzene	100.0
☐ D021 Chloroform	6.0
☐ D022 1,2-Dichloromethane	0.5
☐ D028 1,1-Dichloroethylene	0.7
☐ D035 Methyl ethyl ketone	200.0
☐ D039 Tetrachloroethylene	0.7
☐ D040 Trichloroethylene	0.5
☐ D043 Vinyl Chloride	0.2

Pesticide/Herbicide	
☐ D012 Endrin	0.02
☐ D013 Lindane	0.4
☐ D014 Methoxychlor	10.0
☐ D015 Toxaphene	0.5
☐ D016 2,4-D	10.0
☐ D017 2,4,5-TP (silvex)	1.0

Semi-Volatiles:	TCLP Limit (mg/l)
☐ D023 o-Cresol	200.0
☐ D024 m-Cresol	200.0
☐ D025 p-Cresol	200.0
☐ D026 Cresol (Total)	200.0
☐ D027 1,4-Dichlorobenzene	7.5
☐ D030 2,4-Dinitrotoluene	0.13
☐ D032 Hexachlorobenzene	0.13
☐ D033 Hexachlorobutadiene	0.5
☐ D034 Hexachloroethane	3.0
☐ D036 Nitrobenzene	2.0
☐ D037 Pentachlorophenol	100.0
☐ D038 Pyridine	5.0
☐ D041 2,4,5-Trichlorophenol	400.0
☐ D042 2,4,6-Trichlorophenol	2.0
☐ D020 Chlordane	0.03
☐ D031 Hepachlor (& its epoxide)	0.008

METALS:	TCLP Limit (mg/l)	
☐ D004 Arsenic (As)	5.0	____ ppm
☐ D005 Barium (Ba)	100.0	____ ppm
☐ D006 Cadmium(Cd)	1.0	____ ppm
☐ D007 Chromium(Cr)	5.0	____ ppm
☐ D008 Lead (Pb)	5.0	____ ppm
☐ D009 Mercury (Hg)	0.2	____ ppm
☐ D010 Selenium (Se)	1.0	____ ppm
☐ D011 Silver (Ag)	5.0	____ ppm
☐ Antimony (Sb)		____ ppm
☐ Beryllium (Be)		____ ppm
☐ Hexavalent Chrome (Cr+6)		____ ppm
☐ Cobalt (Co)		____ ppm
☐ Copper (Cu)		____ ppm
☐ Nickel (Ni)		____ ppm
☐ Thallium (Tl)		____ ppm
☐ Vanadium (V)		____ ppm
☐ Zinc (Zn)		____ ppm

I USEPA / STATE / GENERATOR STATE WASTE IDENTIFICATION:

EPA Hazardous Waste : ☐ Yes ☑ No Federal Universal Waste: ☐ Yes ☑ No EPA Exemption ref: _____

List ALL applicable RCRA waste codes: _____

State Regulated Waste : ☐ Yes ☑ No Generator State Universal Waste: ☐ Yes ☑ No DW/EHW: ☐ Yes ☑ No

List all applicable State waste codes : _____

Pennsylvania Generators: If you completed a source reduction strategy (PA FORM 25R link), please submit with this profile.

LANDFILL INFORMATION

Waste Subject to Land Disposal Restrictions (LDR)? ☐ Yes ☑ No

This waste is a ☐ Wastewater (TOC<1%, TSS<1%) ☑ Non-wastewater LDR Material meets Federal Treatment Standards? ☐ Yes ☑ No

IDENTIFY ALL UHC's IN THIS WASTE STREAM : _____ _____ _____ _____

J SHIPPING INFORMATION : Limited Quantuty ☐ Yes ☑ No Marine Pollutant ☐ Yes ☑ No

Is this a DOT Hazardous Material? ☐ Yes ☑ No Reportable Quantity (RQ) item in pounds: _____

Inhalation Hazard? ☐ Yes ☑ No If Yes, ZONE? – Additional DOT Information: _____ (Ex. Lighter test, CA letter, Special Permit)

US DOT DESCRIPTION: USE THE FULL BASIC DESCRIPTION ON THE HAZARDOUS WASTE MANIFEST:

Non Hazardous Purge Water, Non DOT Regulated material

Ex: UN1993, Waste Flammable Liquid, N.O.S (acetone, methanol), 3, UN1993, PG II

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☑ Container (type/size): 55 gallon drums

Average Shipment Quantity w/ UOM (lbs, gallons, drums, etc): 4 Shipping Frequency (one time, daily, weekly, etc): one time

GENERATOR CERTIFICATION

To the best of my knowledge and belief, I hereby warrant and represent that the information contained and submitted in the waste profile and all attached documents is true, accurate, and complete and that no material fact has been omitted as to make this misleading. I understand that others may rely on this information in the handling and processing of the waste material described herein. By signing this waste profile, I am certifying that I am authorized to sign such documentation on behalf of the generator.

Thomas Burns	Thomas Burns	C.O.O.	9/1/21
Authorized Signature	Authorized Printed Name	Title	Date

Permitted Facility for Approval

In accordance with 40 CFR 264.12(b),

Republic Environmental Systems (Pennsylvania), LLC has the appropriate permits for, and will accept the waste the generator is shipping as described in this profile.

Section To be completed by Clean Earth

SPECIAL HANDLING/ DISPOSAL INSTRUCTIONS:

☐ Requires PUSO TAB Profile ☐ Meets Categorical Discharge Standards CTW Category

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
VSOG	1	(267)406-0083	43312

GENERATOR

5. Generator's Name and Mailing Address
Fortress New York Holdings, Inc.
99 Boston Street
Boston MA 02125
Generator's Phone:

Generator's Site Address (if different than mailing address)
Fortress New York Holdings, Inc.
2-33 50th Avenue
Long Island City NY 11101

6. Transporter 1 Company Name
Innovative Recycling Technologies, Inc.
U.S. EPA ID Number: NYR000134940

7. Transporter 2 Company Name
Republic Environmental Systems (Trans Group)LLC
U.S. EPA ID Number: PAD982661381

8. Designated Facility Name and Site Address
Republic Environmental Systems (PA), LLC
2869 Sandstone Drive
Hatfield PA 19440
Facility's Phone: 215 822-8805
U.S. EPA ID Number: PAD085690592

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non Hazardous Drill Cuttings Non-DOT Regulated Material	6	DM	1800	P	
2.	Non Hazardous Purge Water Non-DOT Regulated Material	4	DM	1200	P	
3.						
4.						

13. Special Handling Instructions and Additional Information
9.1)
9.2)
Doc#

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year: 9 | 3 | 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Francis M. Sharone | Signature | Month: 9 | Day: 3 | Year: 21

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature | Month | Day | Year

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GENERATOR'S/SHIPPER'S INITIAL COPY