



April 23, 2019

Mr. Bryan Kowalewski
Assistant Engineer
New York State Department of Environmental Conservation (NYSDEC) Region 9
270 Michigan Avenue
Buffalo, New York 14203

Re: Interim Remedial Measure (IRM) Post-Excavation Sampling Plan Addendum
1155 Main Street, Buffalo, New York
Brownfield Cleanup Program Site C915341

Dear Mr. Kowalewski:

Benchmark Environmental Engineering & Science, PLLC (Benchmark), in association with TurnKey Environmental Restoration, LLC (Benchmark-TurnKey) have prepared this addendum letter to request a deviation in the IRM post-excavation sampling requirements outlined in the NYSDEC-approved Remedial Investigation/Interim Remedial Measures/Alternatives Analysis Work Plan¹ (Work Plan).

Section 4.4 of the Work Plan indicates that post-excavation samples will be collected a minimum of one (1) sample per 30 linear feet of sidewall and one (1) sample for each 900 square feet of excavation bottom in accordance with DER-10. Soil samples collected during the RI that meet the USCOs will be used to supplement the post-excavation IRM sample requirements. Samples from the IRM excavation will be analyzed for Target Compound List (TCL) semi-volatile organic compounds (SVOCs) and Target Analyte List (TAL) metals (unless additional contaminant classes are identified during the RI, and 1 per 5 samples (20%) will be completed for the full list of Part 375 compounds), in accordance with USEPA Methodology with an equivalent Category B deliverables package to facilitate data evaluation by a third-party validation expert.

During the RI, 30 test pits (TPs) were completed across the Site using a 50-foot by 50-foot grid system. The locations of the test pits are shown on attached Figure 1. Soil samples were collected from both fill material (5 samples) and underlying native soils. A total of 30 native soil samples (1 per test pit) were collected. Each of the native soil samples was analyzed for TCL SVOCs and TAL metals. Five (5) of the native soil samples were also analyzed for TCL volatile organic compounds (VOCs) via Method 8260, polychlorinated biphenyls (PCBs), pesticides, herbicides, 1,4-dioxane, and per- and polyfluoroalkyl substances (PFAS).

A summary of the soil/fill sample results from the RI are attached. The results of the RI soil sampling indicated that of the 30 native samples collected across the Site, four (4) locations were identified that had native soil USCOs exceedances. These locations are as follows as shown on attached Figure 2 in green:

¹ "Remedial Investigation/Interim Remedial Measure/Alternative Analysis Work Plan, 1155 Main Street Site, Buffalo, New York". Prepared for Main & Dodge LLC. Prepared by Benchmark Environmental Engineering and Science, PLLC. January 2019.

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- TP-28 – Lead was detected at 105 mg/kg in a native soil sample from 4 to 5 feet below ground surface (fbgs).
- TP-29 – Zinc was detected at 132 mg/kg in a native soil sample from 6 to 7 fbg.
- TP-38 – 4,4'-DDT (pesticide) was detected in a native soil sample from 6 to 7 fbg.
- TP-45 – Mercury was detected at 0.636 mg/kg in a native soil sample from 5 to 6 fbg.

The IRM activities propose to excavate and remove the fill material across the Site to the underlying native soil. The fill material will be taken off-site to a permitted landfill facility.

We are requesting to use the existing RI sample results of the native soil samples as the post-excavation bottom samples, based on the 50 ft by 50 ft gridded sampling approach used, with the exception of the four (4) locations, listed above and shown on Figure 2, that has USCO exceedances. At these four (4) locations, additional post-excavation native soil samples will be collected from within that respective grid after the fill material and native soil containing the exceedance are excavated. The post-excavation sampling analysis will be based on the exceedance present in the native sample in that grid. Therefore, the post-excavation samples in the vicinity of TP-28, TP-29, and TP-45 will be analyzed for TAL metals and the TP-38 will be analyzed for pesticides.

We are also requesting a reduction in the number of sidewall (property boundary) samples that will be collected. We are proposing a frequency of 1 sample every 200 feet, with a minimum of 3 samples per sidewall (north, south east and west property boundaries). Each sample will be analyzed for TCL SVOCs and TAL metals and one (1) sample per sidewall will also be tested for TCL VOCs, PCBs, pesticides and herbicides.

We appreciate the Department's consideration in reducing the post-excavation sampling requirements. Please contact us if you have any questions or require additional information.

Sincerely,
Benchmark Environmental Engineering & Science, PLLC



Christopher Boron, P.G.
Sr. Project Manager



Thomas H. Forbes, P.E.
Principal Engineer

cc: Chad Staniszewski, P.E. (NYSDEC Region 9)
J Dougherty, Esq. (NYSDEC Region 9)
C Vooris (NYSDOH)
Dr. Fadi Dagher (Main & Dodge LLC)
S Ricca, Esq. (Bond, Schoeneck & King)

TABLE

SUMMARY OF REMEDIAL INVESTIGATION SOIL-FILL SAMPLE ANALYTICAL RESULTS
REMEDIATION / INTERIM REMEDIAL MEASURE/ ALTERNATIVE ANALYSIS REPORT
1155 MAIN STREET SITE (C915341)
BUFFALO, NEW YORK

PARAMETER ¹	Unrestricted Use SCO's ²	Restricted Residential Use SCO's ³	Commercial Use SCO's ³	Industrial Use SCO's ³																					
					TP-19 3-4 FT	TP-20 7-8 FT	TP-21 2-3 FT	TP-21 6-7 FT	TP-22 7.5-8.5 FT	TP-23 2-3 FT	TP-23 7-8 FT	TP-24 8-9 FT	TP-25 4.5-5.5 FT	TP-26 2-3 FT	TP-26 5-6 FT	TP-27 2-3 FT	TP-27 7-8 FT	TP-28 1-2 FT	TP-28 4-5 FT	TP-29 1-2 FT	TP-29 6-7 FT	TP-30 10-11FT	TP-31 2.5-3.5	TP-32 3-4 FT	
					NATIVE	NATIVE	FILL	NATIVE	NATIVE	FILL	NATIVE	NATIVE	FILL	NATIVE	NATIVE	FILL	NATIVE	FILL	NATIVE	FILL	NATIVE	NATIVE	NATIVE	NATIVE	NATIVE
Volatile Organic Compounds (SVOCs) - mg/Kg⁴																									
Acetone	0.05	100	500	1000	--	--	--	--	--	0.008 J	ND	--	--	--	--	--	0.0074 J	ND	--	--	--	--	--	--	--
Toluene	0.7	100	500	1000	--	--	--	--	--	ND	0.00071 J	--	--	--	--	--	ND	ND	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg⁴																									
2-Methylnaphthalene	--	--	--	--	ND	ND	0.023 J	ND	ND	0.43	ND	ND	ND	0.12 J	ND	ND	ND	ND	0.062 J	ND	ND	ND	ND	ND	ND
Acenaphthene	20	100	500	1000	ND	ND	0.032 J	ND	ND	0.65	ND	ND	ND	0.21	ND	ND	ND	ND	0.12 J	ND	ND	ND	ND	ND	ND
Acenaphthylene	100	100	500	1000	ND	ND	ND	ND	0.067 J	ND	ND	0.74	ND	ND	0.052 J	ND	ND	ND	ND	0.1 J	ND	ND	ND	ND	ND
Anthracene	100	100	500	1000	ND	ND	0.21	ND	ND	7.4	ND	ND	0.019 J	1.3	0.042 J	ND	0.29	ND	ND	0.99	ND	ND	ND	ND	ND
Benzo(a)anthracene	1	1	5.6	11	ND	ND	0.15	ND	ND	6.8	ND	ND	ND	1	ND	ND	0.24 J	ND	0.77	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1	1	5.6	11	ND	ND	0.2	ND	ND	15 D	ND	ND	ND	1.5	0.042 J	ND	0.33	ND	1	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1	1	5.6	11	ND	ND	0.074 J	ND	ND	3.7	ND	ND	ND	0.49	ND	ND	0.15 J	ND	0.37	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	100	100	500	1000	ND	ND	0.059 J	ND	ND	2.7	ND	ND	ND	0.33	ND	ND	0.12 J	ND	0.4	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.8	3.9	56	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	--	--	--	--	ND	ND	0.027 J	ND	ND	1.5	ND	ND	ND	0.26	ND	ND	ND	ND	0.13 J	ND	ND	ND	ND	ND	ND
Carbazole	--	--	--	--	ND	ND	0.19	ND	ND	6.8	ND	ND	ND	1.1	0.034 J	ND	0.25	ND	0.89	ND	ND	ND	ND	ND	ND
Chrysene	1	3.9	56	110	ND	ND	0.024 J	ND	ND	0.82	ND	ND	ND	0.17 J	ND	ND	ND	ND	0.089 J	ND	ND	ND	ND	ND	ND
Dibenzofuran	7	59	350	1000	ND	ND	0.022 J	ND	ND	0.98	ND	ND	ND	0.11	ND	ND	ND	ND	0.088 J	ND	ND	ND	ND	ND	ND
Dibenzo (a,h)anthracene	0.33	0.33	0.56	1.1	ND	ND	0.027 J	ND	ND	1.2	ND	ND	ND	0.24	ND	ND	ND	ND	0.16 J	ND	ND	ND	ND	ND	ND
Fluoranthene	100	100	500	1000	ND	ND	0.3	ND	ND	24 D	ND	ND	0.021 J	2.4	0.07 J	ND	0.43	ND	1.7	ND	ND	ND	ND	ND	ND
Fluorene	30	100	500	1000	ND	ND	0.033 J	ND	ND	1.2	ND	ND	ND	0.24	ND	ND	ND	ND	0.16 J	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	11	ND	ND	0.076 J	ND	ND	4.3	ND	ND	ND	0.56	ND	ND	0.15 J	ND	0.41	ND	ND	ND	ND	ND	ND
Naphthalene	12	100	500	1000	ND	ND	0.027 J	ND	ND	1.2	ND	ND	ND	0.24	ND	ND	ND	ND	0.077 J	ND	ND	ND	ND	ND	ND
Phenanthrene	100	100	500	1000	ND	ND	0.25	ND	ND	18 D	ND	ND	ND	1.9	0.062 J	ND	0.26	ND	1.1	ND	ND	ND	ND	ND	ND
Pyrene	100	100	500	1000	ND	ND	0.26	ND	ND	19 D	ND	ND	ND	0.02 J	2	0.059 J	ND	0.36	ND	1.5	ND	ND	ND	ND	ND
1,4-Dioxane ⁵	0.1	13	130	250	--	--	--	--	--	ND	ND	--	--	--	--	--	ND	ND	--	--	--	--	--	--	--
Perfluorinated Alkyl Acids - ug/g																									
Perfluorobutanoic Acid (PFBA)	--	--	--	--	--	--	--	--	--	ND	ND	--	--	--	--	--	ND	ND	--	--	--	--	--	--	--
Perfluoropentanoic Acid (PFPeA)	--	--	--	--	--	--	--	--	--	ND	ND	--	--	--	--	--	ND	ND	--	--	--	--	--	--	--
Perfluorobutanesulfonic Acid (PBBS)	--	--	--	--	--	--	--	--	--	ND	ND	--	--	--	--	--	ND	ND	--	--	--	--	--	--	--
Perfluorohexanoic Acid (PFHxA)	--	--	--	--	--	--	--	--	--	ND	ND	--	--	--	--	--	ND	ND	--	--	--	--	--	--	--
Perfluoroheptanoic Acid (PFHpA)	--	--	--	--	--	--	--	--	--	ND	ND	--	--	--	--	--	ND	ND	--	--	--	--	--	--	--
Perfluorohexanesulfonic Acid (PFHxS)	--	--	--	--	--	--	--	--	--	ND	ND	--	--	--	--	--	ND	ND	--	--	--	--	--	--	--
Perfluoroctanoic Acid (PFOA)	--</td																								



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PARAMETER ¹	Unrestricted Use SCO's ²	Restricted Residential Use SCO's ³	Commercial Use SCO's ³	Industrial Use SCO's ³	TP-19 3-4 FT	TP-20 7-8 FT	TP-21 2-3 FT	TP-21 6-7 FT	TP-22 7.5-8.5 FT	TP-23 2-3 FT	TP-23 7-8 FT	TP-24 8-9 FT	TP-25 4.5-5.5 FT	TP-26 2-3 FT	TP-26 5-6 FT	TP-27 2-3 FT	TP-27 7-8 FT	TP-28 1-2 FT	TP-28 4-5 FT	TP-29 1-2 FT	TP-29 6-7 FT	TP-30 10-11FT	TP-31 2.5-3.5	TP-32 3-4 FT
					NATIVE	NATIVE	FILL	NATIVE	NATIVE	FILL	NATIVE	NATIVE	FILL	NATIVE	FILL	NATIVE	FILL	NATIVE	FILL	NATIVE	NATIVE	NATIVE	NATIVE	
Total PCBs - mg/Kg⁴																								
Aroclor 1260	--	--	--	--	--	--	--	--	0.00787 J	ND	--	--	--	--	0.00762 J	ND	--	--	--	--	--	--	--	
Aroclor 1268	--	--	--	--	--	--	--	--	0.00427 J	ND	--	--	--	--	ND	ND	--	--	--	--	--	--	--	
Total PCBs	0.1	1	1	25	--	--	--	--	0.0121 J	ND	--	--	--	--	0.00762 J	ND	--	--	--	--	--	--	--	
Total Metals - mg/Kg																								
Aluminum	--	--	--	--	2110	3190	3630	11300	9370	2970	12500	7760	2140	3670	3600	3620	4810	5160	5120	9810	13000	4560	5000	
Antimony	--	--	--	--	0.324 J	ND	0.966 J	0.904 J	1.14 J	1.02 J	1.09 J	0.534 J	0.353 J	2.05 J	ND	ND	ND	0.479 J	ND	ND	0.334 J	0.329 J		
Arsenic	13	16	16	16	1.95	1.8	12.8	4.31	3.06	6.44	5.95	1.66	1.52	6.54	2.18	1.37	7.53	2.08	14.8	7.89	6.67	2.18	1.49	
Barium	350	400	400	10000	15.3	16	38.6	57.3	50.7	127	103	49.7	17.8	76.5	17.6	17.2	146	31.3	116	63.6	96.8	18.5	27.3	
Beryllium	7.2	72	590	2700	0.108 J	0.157 J	0.310 J	0.577	0.368 J	0.194 J	0.571	0.296 J	0.104 J	0.238 J	0.147 J	0.079 J	0.322 J	0.185 J	0.253 J	0.406 J	0.62	0.226 J	0.199 J	
Cadmium	2.5	4.3	9.3	60	0.291 J	0.341 J	0.868 J	0.596 J	ND	0.296 J	ND	ND	0.353 J	0.724 J	0.224 J	0.218 J	0.654 J	0.24 J	0.723 J	0.575 J	0.718 J	0.543 J	0.511 J	
Calcium	--	--	--	--	34200	2720	21200	2910	1450	50000	9020	54900	46900	67200	3180	922	19300	2890	8190	2250	2960	9300	3600	
Chromium	30	180	1500	6800	3.28	4.47	6.06	14.5	12	7.08	16.8	10.8	3.68	7.8	4.67	4.62	10.8	6.09	11.2	17.7	20.1	5.98	6.18	
Cobalt	--	--	--	--	2.4	2.55	3.64	9.44	7.15	2.68	15	5.61	2.37	4.22	2.21	2.54	3.74	2.77	5.24	8.28	11.6	3.33	3.84	
Copper	50	270	270	10000	9.96	8.27	29.6	17.9	17	23.5	23.1	15.1	8.29	30.6	4.68	2.32	23.4	6.19	31.1	20.2	20.2	7.85	5.02	
Iron	--	--	--	--	5920	7420	13400	20000	15800	7120	24200	13400	6160	12500	7640	6160	9830	8940	18200	27600	25200	9570	8580	
Lead	63	400	1000	3900	13.7	10.9	105	17.4	12.4	986	16.6	10.5	7.01	290	10.4	10.2	2070	105	345	10.4	12.4	28	42.6	
Magnesium	--	--	--	--	17800	1620	4510	4150	2890	4890	7690	20700	19100	22100	1870	915	6900	1570	4500	3720	5470	6020	2830	
Manganese	1600	2000	10000	10000	234	300	282	486	451	368	1020	292	219	398	231	189	240	214	318	417	381	362	374	
Mercury	0.18	0.81	2.8	5.7	0.035 J	0.023 J	0.136	0.023 J	0.028 J	0.209	0.018 J	0.024 J	ND	0.474	ND	0.025 J	0.604	0.043 J	9.34	ND	ND	ND	ND	
Nickel	30	310	310	10000	5.4	5.35	11.6	18.6	13.8	8.51	28.5	12.8	4.45	11.7	4.72	3.4	8.5	4.37	9.58	19.3	26.6	6.11	5.44	
Potassium	--	--	--	--	307	272	351	843	767	340	1280	823	364	536	262	130 J	376	187 J	546	788	1220	421	368	
Selenium	30	180	1500	10000	ND	ND	0.603 J	ND	ND	ND	ND	ND	ND	0.412 J	ND	ND	0.774 J	0.305 J	0.758 J	0.733 J	0.630 J	ND	ND	
Silver	2	180	1500	6800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Sodium	--	--	--	--	76.6 J	40.7 J	66.9 J	59.1 J	41.2 J	97.8 J	159 J	132 J	99 J	702	86.4 J	39.2 J	847	177 J	46.9 J	65.6 J	188 J	325	188 J	
Thallium	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vanadium	--	--	--	--	7.6	10.2	12.5	24	18.2	9.58	25.6	15.8	8.56	10.1	9.26	9.54	13.3	13.1	19	26.7	25.3	13.2	13.8	
Zinc	109	10000	10000	10000	57.3	63.3	72.2	72.4	90.3	159	68.4	52.3	56	158	52.9	38.3	219	63.5	225	132	67.4	57.8	47	
Pesticides - mg/Kg⁴																								
Dieldrin	0.005	0.2	1.4	2.8	--	--	--	--	ND	ND	--	--	--	--	--	ND	ND	--	--	--	--	--	--	
4,4'-DDD	0.0033	13	92	180	--	--	--	--	0.0172	ND	--	--	--	--	--	0.000952 JP	ND	--	--	--	--	--	--	
4,4'-DDE	0.0033	8.9	62	120	--	--	--	--	0.0445	ND														

PARAMETER ¹	Unrestricted Use SCO's ²	Restricted Residential Use SCO's ³	Commercial Use SCO's ³	Industrial Use SCO's ³	TP-33	TP-33	TP-34	TP-35	TP-36	TP-37	TP-38	TP-39	TP-40	TP-40	TP-41	TP-42	TP-43	TP-43	TP-44	TP-45	TP-45	TP-46	TP-47	TP-47	TP-48
					2-3 FT	6-7 FT	8-9 FT	1.5-2.5	5-6 FT	6-7 FT	1-2 FT	6.5-7.5 FT	2-3 FT	7-8 FT	8-9 FT	2-3 FT	7-8 FT	8-9 FT	2-3 FT	6-7 FT	1-2 FT	5-6 FT	7-8 FT	5-6 FT	
Volatile Organic Compounds (SVOCs) - mg/Kg⁴																									
Acetone	0.05	100	500	1000	0.0052 J	ND	--	--	--	--	0.0059 J	ND	--	--	--	--	0.0083 J	0.045	--	--	--	--	--	--	
Toluene	0.7	100	500	1000	ND	0.0011	--	--	--	--	ND	ND	--	--	--	--	ND	ND	--	--	--	--	--	--	
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg⁴																									
2-Methylnaphthalene	--	--	--	--	ND	ND	ND	ND	ND	ND	0.026 J	ND	ND	0.032 J	ND	ND	ND	0.041 J	ND	ND	0.085 J	ND	ND	ND	
Acenaphthene	20	100	500	1000	0.069 J	ND	ND	ND	ND	ND	0.047 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.022 J	
Acenaphthylene	100	100	500	1000	0.033 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Anthracene	100	100	500	1000	0.18	ND	ND	ND	ND	ND	0.12	ND	ND	0.047 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.044 J	
Benz(a)anthracene	1	1	5.6	11	1	ND	ND	ND	ND	ND	0.41	0.066 J	ND	0.16	ND	ND	0.028 J	0.1 J	ND	ND	0.1 J	ND	ND	ND	0.12
Benz(a)pyrene	1	1	1	1.1	0.84	ND	ND	ND	ND	ND	0.37	0.05 J	ND	0.14 J	ND	ND	0.081 J	ND	ND	0.085 J	ND	ND	ND	0.09 J	
Benz(b)fluoranthene	1	1	5.6	1.2	ND	ND	ND	ND	ND	ND	0.47	0.064 J	ND	0.14	ND	ND	0.11	ND	ND	0.12	ND	ND	ND	0.12	
Benz(ghi)perylene	100	100	500	1000	0.44	ND	ND	ND	ND	ND	0.22	0.029 J	ND	0.072 J	ND	ND	0.043 J	ND	ND	0.054 J	ND	ND	ND	0.044 J	
Benz(k)fluoranthene	0.8	3.9	56	110	0.44	ND	ND	ND	ND	ND	0.16	ND	ND	0.12	ND	ND	0.034 J	ND	ND	0.036 J	ND	ND	ND	0.04 J	
Benzaldehyde	--	--	--	--	ND	ND	ND	ND	ND	ND	0.053 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Carbazole	--	--	--	--	0.098 J	ND	ND	ND	ND	ND	0.045 J	ND	ND	0.024 J	ND	ND	ND	ND	ND	ND	0.018 J	ND	ND	0.022 J	
Chrysene	1	3.9	56	110	1	ND	ND	ND	ND	ND	0.37	0.053 J	ND	0.18	ND	ND	0.028 J	0.094 J	ND	ND	0.11	ND	ND	ND	0.11 J
Dibenzofuran	7	59	350	1000	0.03 J	ND	ND	ND	ND	ND	0.025 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.035 J	ND	ND	ND	
Dibenzo (a,h)anthracene	0.33	0.33	0.56	1.1	0.11	ND	ND	ND	ND	ND	0.063 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	100	100	500	1000	1.5	ND	ND	ND	ND	ND	0.72	0.11	ND	0.26	ND	ND	0.044 J	0.15 J	ND	ND	0.17	ND	ND	ND	0.21
Fluorene	30	100	500	1000	0.081 J	ND	ND	ND	ND	ND	0.058 J	ND	ND	0.025 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.022 J	
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	11	0.46	ND	ND	ND	ND	ND	0.22	0.032 J	ND	0.081 J	ND	ND	0.042 J	ND	ND	0.051 J	ND	ND	ND	0.047 J	
Naphthalene	12	100	500	1000	ND	ND	ND	ND	ND	ND	0.023 J	ND	ND	0.027 J	ND	ND	ND	0.030 J	ND	ND	0.072 J	ND	ND	ND	
Phenanthrene	100	100	500	1000	0.99	ND	ND	ND	ND	ND	0.46	0.084 J	ND	0.2	ND	ND	0.062 J	0.11	ND	ND	0.16	ND	ND	ND	0.2
Pyrene	100	100	500	1000	1.4	ND	ND	ND	ND	ND	0.59	0.09 J	ND	0.22	ND	ND	0.04 J	0.13	ND	ND	0.15	ND	ND	ND	0.17
1,4-Dioxane ⁵	0.1	13	130	250	ND	ND	--	--	--	--	ND	ND	--	--	--	--	--	--	ND	ND	--	--	--	--	
Perfluorinated Alkyl Acids - ug/g																									
Perfluorobutanoic Acid (PFBA)	--	--	--	--	ND	ND	--	--	--	--	ND	ND	--	--	--	--	0.077 J	ND	--	--	--	--	--	--	
Perfluoropentanoic Acid (PFPeA)	--	--	--	--	ND	ND	--	--	--	--	ND	0.062 J	--	--	--	--	0.065 J	ND	--	--	--	--	--	--	
Perfluorobutanesulfonic Acid (PFBS)	--	--	--	--	ND	ND	--	--	--	--	ND	ND	--	--	--	--	ND	ND	--	--	--	--	--	--	
Perfluorohexanoic Acid (PFHxA)	--	--	--	--	ND	ND	--	--	--	--	ND	0.074 J	--	--	--	--	ND	ND	--	--	--	--	--	--	
Perfluoroheptanoic Acid (PFHpA)	--	--	--	--	ND	ND	--	--	--	--	ND	0.067 J	--	--	--	--	ND	ND	--	--	--	--	--	--	
Perfluorohexanesulfonic Acid (PFHxS)	--	--	--	--	ND	ND	--	--	--	--	ND	ND	--	--	--	--	ND	ND	--	--	--	--	--	--	
Perfluorooctanoic Acid (PFOA)	--	--	--	--	0.092 J	0.067 J	--	--	--	--	0.084 J	0.366 J	--	--	--	--	0.168 J	0.068 J	--	--	--	--	--	--	
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	--	--	--	--	ND	ND	--	--	--	--	ND	ND	--	--	--	--	ND	ND	--	--	--	--	--	--	
Perfluorooctanesulfonic Acid (PFHpS)</td																									

FIGURES

LEGEND:

- BCP SITE BOUNDARY
- RI SAMPLE LOCATIONS WHERE ANALYTICAL SAMPLES WERE COLLECTED FROM BOTH FILL MATERIAL AND UNDERLYING NATIVE SOIL FOR FULL SUITE OF ANALYSIS (VOCs, SVOCs, PCBs, METALS, PESTICIDES, HERBICIDES, AND EMERGING CONTAMINANTS)
- RI SAMPLE LOCATIONS WHERE ANALYTICAL SAMPLES WERE COLLECTED FROM NATIVE SOIL ONLY FOR SVOCs AND METALS
- RI MONITORING WELL LOCATION
- RI TEST PIT LOCATION WITHIN 50 FT x 50 FT GRID AREA



SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

FIGURE 1

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

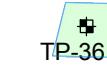
JOB NO.: 0371-018-002

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REMEDIAl INVESTIGATION LOCATION ANALYSIS SUMMARY

IRM SAMPLING PLAN ADDENDUM LETTER

1155 MAIN STREET SITE
BUFFALO, NEW YORK
PREPARED FOR
MAIN & DODGE LLC

LEGEND:

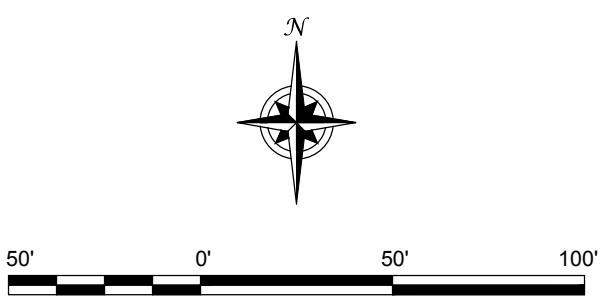
BCP SITE BOUNDARY

NATIVE SOIL SAMPLE LOCATION WHERE SAMPLE RESULTS EXCEEDED THEIR RESPECTIVE UNRESTRICTED SCO BUT DETECTED BELOW THE RESIDENTIAL SCO

TP-36

PARAMETER	USCO (mg/Kg)
LEAD	63
MERCURY	0.18
ZINC	109
4,4'-DDT	0.0033

NOTE:
FBGS = FEET BELOW GROUND SURFACE



SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

FIGURE 2

BENCHMARK
ENVIRONMENTAL
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SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
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(716) 856-0599

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