



February 22, 2021

Ms. Karen Cahill  
NYS DEC - Region 7 Office  
Division of Environmental Remediation  
615 Erie Boulevard West  
Syracuse, NY 13204

RE: Proposal for Sampling Emerging Contaminants  
800 Hiawatha Blvd. West (Former Roth Steel Site)  
NYSDEC BCP Site# C734083  
JMT Job No. 16-0140N-001

Dear Ms. Cahill:

In response to a letter dated April 10, 2018 from the NYSDEC, JMT of New York, Inc. submitted a sampling plan for emerging contaminants at the Former Roth Steel Site located in Syracuse, NY on June 8, 2018. The Department responded with comments in a letter on March 21, 2019 and an August 5, 2020 email. This revised sampling proposal incorporates those comments and recommendations. In addition, the wells proposed for sampling takes into account the recently submitted BCP Amendment that reduced the size of the Roth Site.

JMT will collect samples for 1,4 Dioxane and PFAS from three monitoring wells MW-2A, MW-3R, and MW-6. Field personnel will follow the requirements outlined in the June 2019 *Sampling for 1,4-Dioxane and Per- and Polyfluoroalkyl Substances (PFAS) Under DEC's Part 375 Remedial Programs* for 1,4-Dioxane, and January 2021 *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs* for PFAS. At least three well volumes will be removed from each well before collecting groundwater samples using low-flow methodology in accordance with the approved Remedial investigation Work Plan for the site. Total well depth will be measured in each sampled well and compared to as-built measurements. If more than 1-foot of sediment is present in the well, the deposition will be removed prior to sampling. All purge water will be containerized and disposed of via approved methods.

Monitoring well and quality control samples (one duplicate, MS/MSD, field blank and equipment blank) will be collected in appropriate containers supplied by a laboratory certified for PFAS. Equipment blanks will be collected using PFAS-free water provided by the laboratory. Samples will be analyzed by modified method M537 (See attached Alpha Analytical info sheet for analyte list and reporting limits). 1,4 Dioxane will be analyzed using EPA Method 8270 SIM. The laboratory will report the results in a Category B deliverable.

Sampling will be scheduled shortly after NYSDEC approves this proposal. After sampling is complete, the data will be validated and entered into EQUIS. A report with a discussion of any deviations from the

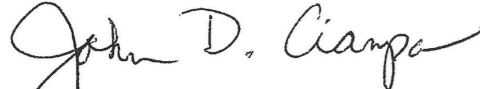
February 22, 2021

approved sampling plan, a summary table comparing detected results to the DEC screening levels, the full analytical report, and a Data Usability Summary Report will be submitted to DEC.

If you have any comments or questions regarding the aforementioned proposed sampling plan, feel free to contact me at 518-782-0882 or e-mail [jciampa@jmt.com](mailto:jciampa@jmt.com).

Sincerely,

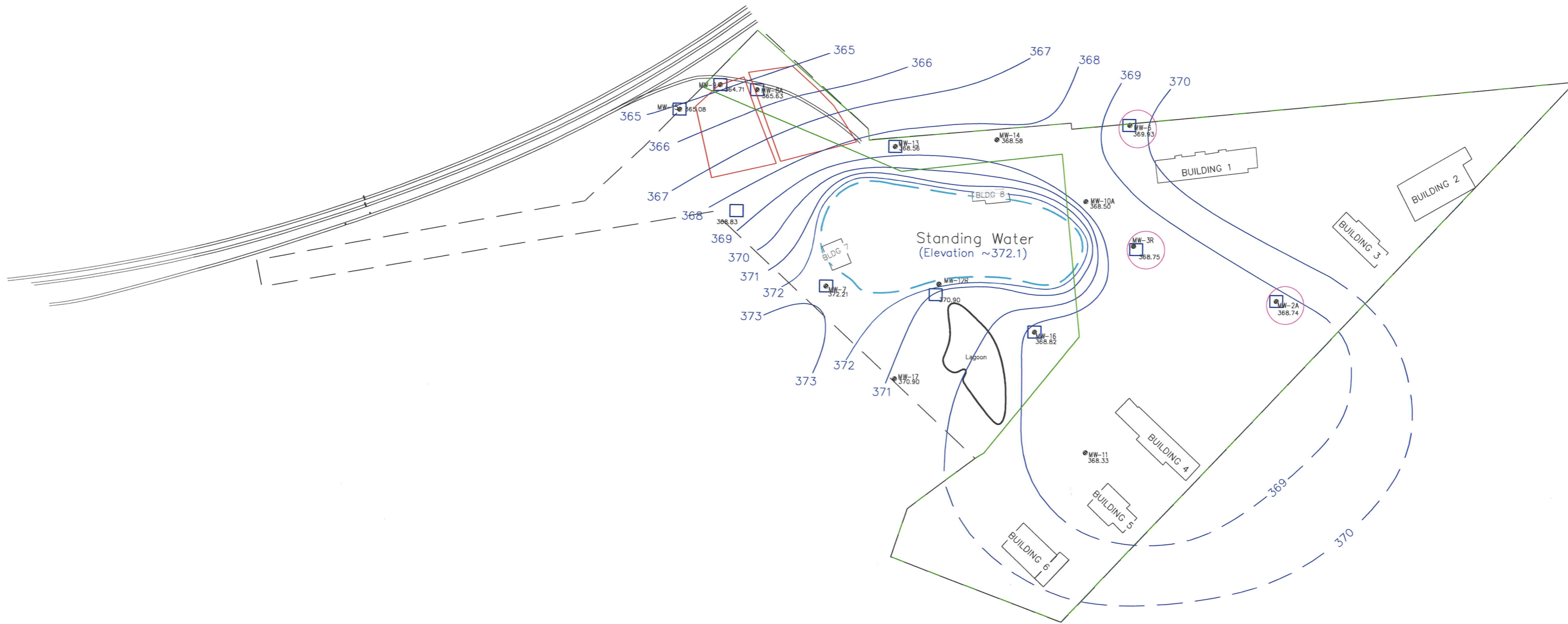
JMT of New York, Inc.



John D. Ciampa, PG

Attachment

cc w/ att.: R. Petrovich, OCIDA  
J. Davis, Esq., Gilberti Law  
S. Wagh, NYSDOH  
M. Schuck, NYSDOH  
M. Sheen, Esq., NYSDEC  
R.P. Kinchen Central Library

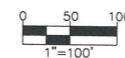



**LEGEND**

- ASR DISPOSAL CELL LOCATIONS
- PROPERTY BOUNDARY
- GROUNDWATER CONTOUR (ft. above mean sea level)
- APPROXIMATE EXTENT OF STANDING WATER
- 2016/2017 GROUNDWATER SAMPLE LOCATIONS
- EXISTING GROUNDWATER MONITORING WELL
- 368.38 GROUNDWATER ELEVATION (ft. above mean sea level)

- MODIFIED BCP BOUNDARY
- PROPOSED PFAS WELL SAMPLING LOCATION

Notes:  
 1. Area of standing water is approximate. (Observed Fall 2017)  
 2. Groundwater elevations measured 12/7/17  
 3. The buildings were removed in 2018. Only slabs remain.



 <small>19 British American Blvd., Latham, New York 12110        P: (518) 782-0882 F: (518) 782-0973 www.jmt.com</small>	<p>PROPOSED PFAS WELL SAMPLING        LOCATION MAP  <b>800 Hiawatha Blvd</b>        Syracuse, New York</p>			
CITY OF SYRACUSE ONONDAGA CO., NY				
PROJ. No.: 16140	DATE: 2/18/21	SCALE: 1"=100'	DWG. NO. RWP	FIGURE 1

NY PFAAs via LCMSMS-Isotope Dilution (WATER)

Holding Time: 14 days  
Container/Sample Preservation: 1 - 2 Plastic/1 Plastic/1 H2O Plastic

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	
Perfluorobutanoic Acid (PFBA)	375-22-4	2	0.408	ng/l	67-148	30	67-148	30	30		
Perfluoropentanoic Acid (PFPeA)	2706-90-3	2	0.396	ng/l	63-161	30	63-161	30	30		
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	2	0.238	ng/l	65-157	30	65-157	30	30		
Perfluorohexanoic Acid (PFHxA)	307-24-4	2	0.328	ng/l	69-168	30	69-168	30	30		
Perfluoroheptanoic Acid (PFHpA)	375-85-9	2	0.2252	ng/l	58-159	30	58-159	30	30		
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	2	0.376	ng/l	69-177	30	69-177	30	30		
Perfluorooctanoic Acid (PFOA)	335-67-1	2	0.236	ng/l	63-159	30	63-159	30	30		
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	2	1.332	ng/l	49-187	30	49-187	30	30		
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	2	0.688	ng/l	61-179	30	61-179	30	30		
Perfluorononanoic Acid (PFNA)	375-95-1	2	0.312	ng/l	68-171	30	68-171	30	30		
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	2	0.504	ng/l	52-151	30	52-151	30	30		
Perfluorodecanoic Acid (PFDA)	335-76-2	2	0.304	ng/l	63-171	30	63-171	30	30		
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	2	1.212	ng/l	56-173	30	56-173	30	30		
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSA)	2355-31-9	2	0.648	ng/l	60-166	30	60-166	30	30		
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	2	0.26	ng/l	60-153	30	60-153	30	30		
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	2	0.98	ng/l	38-156	30	38-156	30	30		
Perfluorooctanesulfonamide (FOSA)	754-91-6	2	0.58	ng/l	46-170	30	46-170	30	30		
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	2	0.804	ng/l	45-170	30	45-170	30	30		
Perfluorododecanoic Acid (PFDoA)	307-55-1	2	0.372	ng/l	67-153	30	67-153	30	30		
Perfluorotridecanoic Acid (PFTriDA)	72629-94-8	2	0.3272	ng/l	48-158	30	48-158	30	30		
Perfluorotetradecanoic Acid (PFTA)	376-06-7	2	0.248	ng/l	59-182	30	59-182	30	30		
PFOA/PFOS, Total		2	0.236	ng/l				30	30		
Perfluoro[13C4]Butanoic Acid (MPFBA)	NONE										58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	NONE										62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	NONE										70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	NONE										57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	NONE										60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	NONE										71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	NONE										62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6)	NONE										14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	NONE										59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	NONE										69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	NONE										62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8)	NONE										10-162
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid	NONE										24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	NONE										55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	NONE										10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d)	NONE										27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	NONE										48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	NONE										22-136

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)  
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.



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1,4 Dioxane via EPA 8270D-SIM (WATER)

Holding Time: 7 days  
 Container/Sample Preservation: 2 - Amber 250ml unperferved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dioxane	123-91-1	150	33.9	ng/l	40-140	30	40-140	30	30			
1,4-Dioxane-d8	17647-74-4									15-110		
1,4-Dioxane-d8 (IS)	17647-74-4			ng/l								

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