

FINAL  
**Wyoming County Fire Training Center**  
WYOMING COUNTY, NEW YORK

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**Site Management Plan**

NYSDEC Site Number: V-00604-9

**Prepared for:**

Wyoming County  
143 North Main Street  
Warsaw, New York 14569

**Prepared by:**

URS CORPORATION  
77 Goodell Street  
Buffalo, New York 14203  
(716) 856-5636

**Revisions to Final Approved Site Management Plan:**

Revision #	Submitted Date	Summary of Revision	DEC Approval Date
001	April 21, 2022	See Errata Sheet, dated April 21, 2022	

JUNE 2011  
AMENDED APRIL 2022

## CERTIFICATION STATEMENT

I, Colin Wasteneys, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Site Management Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Colin Wasteneys QEP

April 21, 2022 Date

**ERRATA SHEET for**  
**Site Management Plan**  
**Wyoming County Fire Training Center, Wyoming County, New York**  
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Citation and Page Number	Current Text	Corrected Text
Certification Page	No Certification Statement.	Updated Certification Statement added (attached).
Section 1.1.3 Revisions		<p>New text added as 2<sup>nd</sup> paragraph:  The SMP Errata Sheet submitted to NYSDEC on April 21, 2022 documents revisions to the original SMP. A summary of significant changes to the monitoring program follows:</p> <ol style="list-style-type: none"> <li>1. Section 6.3 of the October 2015 PRR recommended the following changes which were accepted by NYSDEC in an approval letter dated January 21, 2016: <ol style="list-style-type: none"> <li>a. The frequency of PRR submittal be changed to once every two years;</li> <li>b. The frequency of groundwater monitoring be changed to once every two years and would alternate between spring (i.e., April/May) and summer (i.e., July/August) during consecutive events.</li> <li>c. Monitoring well MW-14 be dropped from the groundwater monitoring program;</li> <li>d. Frequency of the monitoring of the two potable water supplies and the spring be changed to once every year and would alternate between spring (i.e., April/May) and summer (i.e., July/August) during consecutive events.</li> </ol> </li> <li>2. In a letter dated September 18, 2020, NYSDEC requested that samples collected from well MW-02 during biennial monitoring be analyzed for PFAS compounds in addition to VOCs.</li> <li>3. In their letter dated November 17, 2021, approving the September 2021 PRR, NYSDEC modified the frequency of PRR submittals to once every three years with the next PRR due October 5, 2024.</li> </ol>

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Section 1.2.1	The site is located in the Town of Wethersfield County of Wyoming, New York and is identified as Parcel 3, Lot 32, Range 2 on the Wyoming Tax Map.	The site is located in the Town of Wethersfield County of Wyoming, New York and is identified as Parcel 107.-2-3, Lot 32, Range 2, Township 8 on the Wyoming Tax Map.
Section 2.4.1 Notification	Currently, this notification will be made to: Anthony Lopes – Project Manager NYSDEC Region 9 270 Michigan Avenue Buffalo, New York 14302	Currently, this notification will be made to: Megan Kuczka – Project Manager NYSDEC Region 9 270 Michigan Avenue Buffalo, New York 14302
Section 2.4.8 Fluids Management	Dewatering, purge and development fluids will not be recharged back to the land surface or subsurface of the site, but will be managed off-site.	Dewatering and development fluids will not be recharged back to the land surface or subsurface of the site, but will be managed off-site. Purged groundwater generated during routine monitoring events will be recharged back to the land surface at each monitoring well location.
Section 2.5.2 Notification	Notifications will be made to: Mr. Anthony Lopes – Project Manager NYSDEC Region 9 270 Michigan Avenue Buffalo, New York 14302 (716) 851-7220	Notifications will be made to: Megan Kuczka – Project Manager NYSDEC Region 9 270 Michigan Avenue Buffalo, New York 14302 (716) 851-7220
Section 2.6.1 Periodic Review Report	A Periodic Review Report will be submitted every year	A Periodic Review Report will be submitted every three years

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Section 2.6.1 Periodic Review Report	The Periodic Review Report will be submitted, in hard-copy format, to the NYSDEC Regional Office located at 270 Michigan Avenue, Buffalo, NY 14203, and in electronic format to NYSDEC Central Office located at 625 Broadway, Albany, NY 12233 and the NYSDOH Bureau of Environmental Exposure Investigation located at Flannigan Square, 547 River St., Troy, NY 12180.	The Periodic Review Report will be submitted in electronic format <b>to the NYSDEC and NYSDOH Project Managers via email or electronic file transfer.</b>
Section 3.1.2 Purpose and Schedule  Table 6: Media Monitoring Schedule		<b>See attached revised Table 6.</b>
Section 3.2.1.2 Monitoring Program	Monitoring wells MW-02, MW-07, MW-12, MW-14 and MW-15 will be used to monitor groundwater conditions at the site.  The samples will be analyzed for VOCs (Method SW8260B for groundwater samples and E502.2 or 505 for potable water).	Monitoring wells <b>MW-02, MW-07, MW-12, and MW-15</b> will be used to monitor groundwater conditions at the site.  The samples will be analyzed for VOCs (Method SW8260 <b>C</b> for groundwater samples and <b>524.2</b> for potable water).  <b>New text added: Monitoring well MW-02 will also be analyzed for per- and polyfluoroalkyl Substances (PFAS) by USEPA method 537 modified. Collection of samples for PFAS analysis will be performed in accordance with the current NYSDEC Sampling, Analysis, and Assessment of Per- and</b>

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		Polyfluoroalkyl Substances (PFAS) Guidance.
Section 3.2.2 Groundwater Monitoring Schedule	<p>Sampling of the Schell and Becker potable water supply wells and spring will be conducted semi-annually for the first two years following issuance of the Release and Covenant Not to Sue letter by the Department for the Site.</p> <p>Sampling of the groundwater monitoring wells will be performed annually, and will be sampled in the spring (i.e. Apr/May) one year and the summer (July/Aug) the following year.</p>	<p>Sampling of the Schell and Becker potable water supply wells and spring will be conducted <b>annually with sampling events alternating between spring (i.e., Apr/May) and summer (July/Aug).</b></p> <p>Sampling of the groundwater monitoring wells will be performed <b>biennially (every two years) with sampling events alternating between</b> spring (i.e. Apr/May) and summer (July/Aug).</p>
Section 3.6.1 Inspection Schedule	Subsequent inspection events will be conducted semi-annually.	Subsequent inspection events will be conducted <b>annually.</b>
Section 3.7, 2 <sup>nd</sup> paragraph	The PRW monitoring results will be reported to NYSDEC annually in the Periodic Review Report.	The PRW monitoring results will be reported to NYSDEC <b>triennially (once every three years)</b> in the Periodic Review Report.
Section 4.4.1 Emergency Telephone Numbers  Table 8 – Contact Column	<p>NYSDEC Project Manager – Anthony Lopes</p> <p>URS Project Manager – Robert Henschel</p>	<p>NYSDEC Project Manager – <b>Megan Kuczka</b></p> <p><b>NYSDOH - Johnathan Robinson</b></p> <p><b>AECOM Project Manager – Colin Wasteneys</b></p>

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Appendix B, Health and Safety Plan, Table 12-2		See attached updated Table 12-2 Emergency Telephone Numbers.
Appendix E - Field Sampling Plan, Sections 2 and 3	Sections 2 and 3 discussing soil boring and soil sampling procedures	Sections 2 and 3 discussing soil boring and sampling procedures are deleted in their entirety.
Appendix E – Field Sampling Plan, Section 4.0	Groundwater monitoring requirements are defined in the SMP. To collect representative groundwater samples, groundwater wells must be adequately purged prior to sampling. Purging will require the removal of one to three volumes of standing water. The wells will be sampled following procedures found in Section 4.2. The samples will be labeled and shipped following procedures outlined in Sections 7.0 and 8.0 and analyzed for the parameters identified in Table 4-1.	Groundwater monitoring requirements are defined in the SMP. <b>Groundwater sampling will be performed in accordance with Groundwater Sampling Guidelines for Superfund and RCRA Project Managers (USEPA OSWER 542-S-02-001) and in accordance with EPA’s low stress (often referred to as low flow) sampling technique (EPA, 1998). In addition, collection of samples for PFAS analysis will be performed in accordance with the current NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Guidance.</b> The wells will be sampled following procedures found in Section 4.2. The samples will be labeled and shipped following procedures outlined in Sections 7.0 and 8.0 and analyzed for the parameters identified in Table 4-1.
Appendix E – Field Sampling Plan, Section 4.1, bullet 1)	The mini-well cap will be carefully removed to avoid having any foreign material enter the well. The interior of the riser pipe will be monitored for organic vapors using a PID/FID. If a reading of greater than 5 parts per million (ppm) is recorded, the well will be vented until levels are below 5 ppm before purging begins.	The well cap will be carefully removed to avoid having any foreign material enter the well.

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Appendix E – Field Sampling Plan, Section 4.1, bullet 4)	New text added to end of paragraph.	The pump intake will be set at the midpoint of the screened interval, or as dictated by field conditions if there is minimal water in the well. The pump will be operated at a target flow rate of 300 to 500 milliliters per minute (mL/min).
Appendix E – Field Sampling Plan, Section 4.1, bullet 5)	Purge well until the water quality parameters have stabilized. The stabilization criteria are: specific conductivity - 3% full scale range; pH - 0.10 pH unit; temperature - 0.2°C and turbidity <50 NTU.	Purge well until the water quality parameters have stabilized. The stabilization criteria are: specific conductivity - 3% full scale range; pH - 0.10 pH unit; temperature - 0.2°C; dissolved oxygen (DO) – 10% (mg/L); oxygen-reduction potential (ORP) – 10 mV; and turbidity <50 NTU .
Appendix E – Field Sampling Plan, Section 4.1, bullet 6)	Well purging data are to be recorded in the field notebook and on the Well Development/Purge Log (Figure C3-3).	Well purging data are to be recorded on a Low Flow Groundwater Purging/Sampling Log (Figure 4-1).
Appendix E – Field Sampling Plan, Section 4.1, bullet 7)	Dispose of HDPE tubing as per Section C3.5.	Dispose of HDPE tubing in a part 360 solid waste landfill.
Appendix E – Field Sampling Plan, Section 4.2, bullet 1)	The aliquot for total metals will not be filtered since turbidity will be less than 50 NTUs.	Sentence deleted.
Appendix E – Field Sampling Plan, Section 4.2, bullet 4), second sentence	A chain-of-custody record (Figure 3-5) will be initiated.	A chain-of-custody record (Figure 4-2) will be initiated.
Appendix E – Field Sampling Plan, Section 4.2, bullet 6)	Well sampling data are to be recorded in the field notebook and on the Well Development/Purge Log (Figure 3-3).	Well sampling data are to be recorded in the field notebook and on the Low Flow Groundwater Purging/Sampling Log.



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Appendix E – Field Sampling Plan, Tables 4-1 and 4-2		See attached updated Tables 4-1 and 4-2.
Appendix E – Field Sampling Plan, Section 6.0, last sentence of first paragraph	Geoprobe equipment and heavy machinery will be steam cleaned on the decontamination pad.	Sentence deleted.
Appendix E – Field Sampling Plan, Section 7.0, item 2), Examples	<p>1. SB-1 SB-1 = Soil Boring No. 1</p> <p>2. SB-1 - 2'-4' SB-1 = Soil Boring No. 1 2' - 4' = Two-foot to four-foot soil sample</p> <p><u>List of Abbreviations</u> <u>Sample Type</u></p> <p>SB = Soil Boring</p>	<p>1. MW-2 MW-2 = Monitoring Well No. 2</p> <p><u>List of Abbreviations</u> <u>Sample Type</u></p> <p><del>SB = Soil Boring</del></p>
Appendix E – Field Sampling Plan, Section 8.0, second paragraph	The procedures used in this Supplemental SI follow the chain-of-custody guidelines outlined in <u>NEIC Policies and Procedures</u> , prepared by the National Enforcement Investigations Center (NEIC) of the U.S. Environmental Protection Agency Office of Enforcement.	The procedures used in this <b>FSP</b> follow the chain-of-custody guidelines outlined in <u>NEIC Policies and Procedures</u> , prepared by the National Enforcement Investigations Center (NEIC) of the U.S. Environmental Protection Agency Office of Enforcement.
Appendix E – Field Sampling Plan, Section 8.0, bullet 1)	The chain-of-custody (COC) record (Figure C3-5) should be completely filled	The chain-of-custody (COC) record (Figure 4-2) should be completely filled out, with all relevant information.

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	out, with all relevant information.	
Appendix F – Quality Assurance Project Plan	Throughout	All references to Tables B2-1 or B3-1 have been changed to Tables 2-1 or 3-1.
Appendix F – Quality Assurance Project Plan, Section 2.1, last paragraph	Soil and groundwater analytical results will be compared to the applicable standards, criteria and guidance (SCGs) that are protective of human health and the environment. For the soil matrix, the SCG’s will be the New York State Department of Environmental Conservation (NYSDEC) 6 NYCRR Part 375 Soil Cleanup Objectives for restricted commercial usage (December 2007).	Groundwater analytical results will be compared to the applicable standards, criteria and guidance (SCGs) that are protective of human health and the environment.
Appendix F – Quality Assurance Project Plan, Section 3.0, first paragraph	Sampling locations and procedures are discussed in Section 4.0 of the IRM Work Plan.	Sampling locations and procedures are discussed in Section 3.2 of the SMP.
Appendix F – Quality Assurance Project Plan, Section 3.0, second paragraph	Table 2-1 identifies the specific method to be performed on the soil and groundwater matrices.	Table 2-1 identifies the specific method to be performed on the groundwater matrix.
Appendix F – Quality Assurance Project Plan, Section 8.1, first paragraph, last sentence	Data for soils will be reported in concentrations of micrograms per kilogram (µg/kg) for organics and reported on a dry weight basis.	Sentence deleted.

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**Section 3.1.2, Table 6: Media Monitoring Schedule**

<b>Monitoring Program</b>	<b>Frequency*</b>	<b>Matrix</b>	<b>Analysis</b>
Groundwater	Biennial (every two years)	Groundwater  (wells MW-07, MW-12, and MW-15)	VOCs Only (SW8260C)
		(well MW-02)	VOCs (SW8260C) & PFAS (EPA 537 modified)
	Annual	Schell and Becker Residential Potable Water Supply	VOCs Only (524.2)
	Annual	Becker Property Spring	VOCs Only (524.2)

\* The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH

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**TABLE 12-2**  
**EMERGENCY TELEPHONE NUMBERS**

Emergency Response Agencies

Fire - <b>Gainesville Fire Department</b>	<b>585-493-2763</b>
Police-Wyoming County Sheriff	585-786-8989

Medical Facilities

Wyoming County Community Hospital 400 N. Main Street Warsaw, New York	585-786-2233
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Environmental and Health Agencies

New York State Department of Environmental Conservation Regional Headquarters	716-851-7200
New York State Department of Health <b>Environmental Health</b>	<b>800-458-1158</b>

AECOM

<b>Colin Wasteney</b> , Project Manager	716-923-1164
<b>Kevin McGovern</b> , Project Health and Safety Officer	716-923-1101
<b>To be determined (TBD)</b> , Site Health and Safety Officer (Cellular telephone numbers for field personnel will be provided at startup of field activities.)	<b>TBD</b>

Client Representatives

<b>Brian Myers</b> , Wyoming County Emergency Services	585-786-8867
<b>Rebecca J. Ryan</b> , Wyoming County, Board of Supervisors Chairman	585-786-8800

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**APPENDIX E – FIELD SAMPLING PLAN**  
**TABLE 4-1**  
**SUMMARY OF ANALYTICAL PARAMETERS**  
**WYOMING COUNTY FIRE TRAINING CENTER**

Parameter	Method Number/ Reference	Estimated Number of Samples	QA/QC Samples		
			MS/MD	Rinse Blanks	Field Blank/Field Duplicate
<b>I. Groundwater</b>					
Volatile Organic Compounds	SW846 8260C	7	1/1	0	0/1
PFAS	EPA Method 537 Modified	1	1/1	0	1/1
<b>II. Potable Water Supply and Spring</b>					
Volatile Organic Compounds	EPA 524.2	3	0/0	0	0/1

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**APPENDIX E – FIELD SAMPLING PLAN**  
**TABLE 4-2**  
**ANALYTICAL METHODS, CONTAINER, PRESERVATION,**  
**AND HOLDING TIME REQUIREMENTS**  
**WYOMING COUNTY FIRE TRAINING CENTER**

PARAMETER	ANALYTICAL METHOD	VOLUME REQUIREMENT	PRESERVATION	HOLDING TIME*
<b>I. Groundwater</b>				
Volatile Organic Compounds	SW846 8260C	3 x 40 ml glass	HCl to pH ≤ 2, Cool 4° C	14 days
PFAS	EPA Method 537 Modified	2 x 250 ml HDPE	None	14 days extraction/ 28 days analysis
<b>II. Potable Water Supply and Spring</b>				
Volatile Organic Compounds	EPA 524.2	3 x 40 ml glass	HCl to pH ≤ 2, Cool 4° C	14 days

**NOTES:**

\* - All holding times begin with the Validated Time of Sample Receipt (VTSR) at the laboratory.

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**APPENDIX F – QUALITY ASSURANCE PROJECT PLAN**

**TABLE 2-1**

**SUMMARY OF ANALYTICAL PARAMETERS**  
**WYOMING COUNTY FIRE TRAINING CENTER**

Parameter	Method Number/ Reference	Estimated Number of Samples	QA/QC Samples		
			MS/MD	Rinse Blanks	Field Blank/Field Duplicate
<b>I. Groundwater</b>					
Volatile Organic Compounds	SW846 8260C	7	1/1	0	0/1
PFAS	EPA Method 537 Modified	1	1/1	0	1/1
<b>II. Potable Water Supply and Spring</b>					
Volatile Organic Compounds	EPA 524.2	3	0/0	0	0/1

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**APPENDIX F – QUALITY ASSURANCE PROJECT PLAN**  
**TABLE 3-1**  
**ANALYTICAL METHODS, CONTAINER, PRESERVATION,**  
**AND HOLDING TIME REQUIREMENTS**  
**WYOMING COUNTY FIRE TRAINING CENTER**

PARAMETER	ANALYTICAL METHOD	VOLUME REQUIREMENT	PRESERVATION	HOLDING TIME*
<b>I. Groundwater</b>				
Volatile Organic Compounds	SW846 8260C	3 x 40 ml glass	HCl to pH ≤ 2, Cool 4° C	14 days
PFAS	EPA Method 537 Modified	2 x 250 ml HDPE	None	14 days extraction/ 28 days analysis
<b>II. Potable Water Supply and Spring</b>				
Volatile Organic Compounds	EPA 524.2	3 x 40 ml glass	HCl to pH ≤ 2, Cool 4° C	14 days

**NOTES:**

\* - All holding times begin with the Validated Time of Sample Receipt (VTSR) at the laboratory.