

# C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.

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December 9, 2022

\*Via Email

Marnie Chancey, E.I.T.  
Assistant Engineer, Division of Environmental Remediation  
New York State Department of Environmental Conservation  
Remedial Bureau B, Section D  
Division of Environmental Remediation  
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Albany, New York 12233-7017  
[marnie.chancey@dec.ny.gov](mailto:marnie.chancey@dec.ny.gov)

**RE: Progress Report #23  
Allied Healthcare Products Site  
Stuyvesant, Columbia County  
BCP Site ID No.: C411020**

Dear Ms. Chancey:

This Progress Report has been prepared on behalf of Allied Healthcare Products, Inc. (the "Applicant") in accordance with the Brownfield Cleanup Agreement ("BCA"). Progress Reports will be submitted by the 10<sup>th</sup> day of each month.

### ***Tasks Performed Since Last Report***

- The monthly inspection and sampling of the IRM Groundwater Treatment System was conducted by C.T. Male on November 4, 2022. Results of the inspection and sampling indicate that the Groundwater Treatment System is performing as designed. See attached Monthly IRM System Operations Report No. 5, November 2022.
- Began installation of upgradient upper bedrock monitoring well RI-MW-09B. The surface casing was grouted in-place on November 2, 2022 using an approved cement-bentonite mixture. Total depth of the surface casing was 48 feet below grade. Surface casings have now been installed in both of the upper bedrock monitoring wells (RI-MW-09B and -18B). Drilling of the upper bedrock monitoring wells commenced on December 5, 2022 and is anticipated to be completed by December 9, 2022.
- Preparation of the Draft RI Report.
- Preparation of the Draft IRM Construction Completion Report (CCR).
- Upload RI data to EQuIS, as needed.

### ***Anticipated Work to be Performed in Upcoming Month***

- Develop the upper bedrock monitoring wells (Week of December 12, 2022) and collect groundwater samples for laboratory analyses (Week of December 26, 2022).

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- Conduct the December 2022 Groundwater Treatment System inspection and sampling.
- Continue preparation of the Draft RI and CCR Reports.

## ***Approved Activity Modifications***

- None for November 2022.

## ***Proposed Work Plans/Reports Pending NYSDEC Approval***

- None.

## ***Results of Sampling and Tests***

- See attached Monthly IRM System Operations Report No. 5, November 2022.

## ***Percentage of Project Completion***

- ~60%.

## ***Unresolved Delays Affecting Project Schedule***

- None.

## ***Citizen Participation Activities***

- None.

The next progress report will be submitted to the Department on or before January 10, 2023. Please do not hesitate to contact me should you require further information.

Respectfully submitted,  
C.T. MALE ASSOCIATES



Environmental Scientist  
Stephen Bieber, CHMM  
Project Scientist

cc: Joe Ondrus, Allied Healthcare Products, Inc.  
Michael Sterthous, Whiteman Osterman & Hanna LLP  
Dan Tucholski, NYS Department of Health  
Kirk Moline, P.G., C.T. Male Associates  
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December 10, 2022

*\*Via Email*

Ms. Marnie Chancey, E.I.T.  
Remedial Bureau B, Section D  
New York State Department of Environmental Conservation  
Division of Environmental Remediation  
625 Broadway, Albany, NY 12233-7017  
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**RE: *Monthly IRM System Operations Report No. 5, November 2022***  
***IRM Groundwater Capture and Treatment System***  
***Allied Healthcare Products Site, 46 New Street***  
***Town of Stuyvesant, Columbia County***  
***DEC Site No.: C411020***

Dear Ms. Chancey:

This monthly progress report has been prepared on behalf of Allied Healthcare Products Site (Allied) in accordance with the Brownfield Cleanup Agreement and in compliance with the Interim Remedial Measure Work Plan (IRM WP) for groundwater treatment system at the New Street site. The IRM WP was approved by the New York State Department of Environmental Conservation (NYSDEC) on March 3, 2022.

IRM treatment system samples were collected for laboratory analysis from the influent, midpoint, and effluent sampling ports to test for volatile organic compounds (VOCs) analysis by EPA Method 8260, and Phenol via EPA Method 8270. These samples were collected on November 4, 2022, from the groundwater treatment system, which was the operational at the time of sampling. The results of the sampling activities were received from the laboratory on November 18, 2022. No VOCs or Phenol were detected in the effluent sample analyzed, see Table 1 for results. Table 2 represents the detected analytes within the influent samples each month for the year 2022.

While onsite on November 4, 2022, system operations were reviewed and inspected during the monthly sampling event. The IRM treatment system was operating within design parameters.

Respectfully submitted,  
C.T. MALE ASSOCIATES

Nancy Garry, P.E., CSP  
Senior Environmental Engineer

ec: Joseph F. Ondrus, Jr., President and Chief Executive Officer  
Allied Healthcare Products, Inc. ([ondrusj@alliedhpi.com](mailto:ondrusj@alliedhpi.com))  
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Kirk Moline, P.G., C.T. Male

Table 1  
IRM Groundwater Treatment System  
Monthly Sampling Results (November 4, 2022)  
Allied Healthcare Products, Inc. Site  
Stuyvesant, New York

				11/04/22	11/04/22	11/04/22	11/04/22	11/04/22	11/04/22
Collection Date				11/04/22	11/04/22	11/04/22	11/04/22	11/04/22	11/04/22
Lab ID				L2262077-01	L2262077-02	L2262077-03	L2262077-04	L2262077-05	L2262077-06
Sample ID				IRM-Influent-221104	IRM-midfluent-221104	IRM-effluent-221104	IRM-FD01-221104	IRM-FTB01-221104	IRM-LTB01-221104
Parameter	CAS number	NY-AWQS <sup>(1)</sup>	Units						
Volatile Organic Compounds									
Acetone	67-64-1	50	µg/l	ND	ND	ND	ND	2.9 J	2.6 J
Methylene Chloride	75-09-2	5	µg/l	<b>5.7</b>	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5	µg/l	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6	µg/l	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	µg/l	0.93 J	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1	µg/l	<b>150.0</b>	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	µg/l	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	50	µg/l	0.6	ND	ND	ND	ND	ND
Bromoform	75-25-2	50	µg/l	4.8	ND	ND	ND	ND	ND
Benzene	71-73-2	1	µg/l	0.18 J	ND	ND	ND	ND	ND
Trichloroethene	79-01-6	5	µg/l	2.6	ND	ND	ND	ND	ND
Semi-volatile organic compounds									
Phenol	108-95-2	1	µg/l	ND	ND	ND	ND	ND	ND

Notes:

<sup>(1)</sup> NY-AWQS: New York TOGS 1.1.1 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004. Listing water class GA (Source of drinking water, groundwater).

Table represents detected compounds within the analysis.

Bolded and highlighted result exceeds their corresponding AWQS standard.

ND = Not detected

Units and Lab-Applied Qualifiers:

µg/l = micrograms per liter or parts per billion (ppb)

J = Estimated value. The target analyte concentration is below the quantitation limit (RL), but above the method detection limit (MDL) or estimated detection limit for SPME-related analysis.

result represents an estimated concentration for Tentatively Identified Compounds (TICs).

Table 2  
IRM Groundwater Treatment System  
Annual Sampling Results - 2022  
Allied Healthcare Products, Inc. Site  
Stuyvesant, New York

Collection Date	July 7/21/22	August 8/24/22	Sept. 9/22/22	Oct. 10/13/22	Nov. 11/04/22	Dec.
Sample ID	IRM-Influent- 220721	IRM-Influent- 220824	IRM-Influent- 220922	IRM-Influent-221013	IRM-Influent- 221104	

Parameter	CAS number	NY- AWQS <sup>(1)</sup>	Units						
Volatile Organic Compounds									
Acetone	67-64-1	50	µg/l	39	ND	ND	ND	ND	ND
Methylene Chloride	75-09-2	5	µg/l	3.7 J	4.3	<b>8.0</b>	<b>11.0</b>	<b>5.7</b>	
1,1-dichloroethane	75-34-3	5	µg/l	ND	ND	ND	0.81 J	ND	
1,2-dichloroethane	107-06-2	0.6	µg/l	ND	ND	ND	0.13 J	ND	
Chloroform	67-66-3	7	µg/l	ND	1.2 J	2.5	2.2 J	0.93 J	
1,2-dichloropropane	78-87-5	1	µg/l	<b>77.0</b>	<b>100</b>	<b>200.0</b>	<b>310 E</b>	<b>150</b>	
Bromodichloromethane	75-27-4	50	µg/l	ND	ND	ND	0.37 J	ND	
Dibromochloromethane	124-48-1	50	µg/l	ND	0.66	1.0	2.7	0.6	
Bromoform	75-25-2	50	µg/l	ND	5.1	7.0	<b>68.0</b>	4.8	
Bromomethane	74-83-9	5	µg/l	ND	0.74 J	ND	ND	ND	
Benzene	71-73-2	1	µg/l	ND	ND	0.24 J	0.33 J	0.18 J	
Trichloroethene	79-01-6	5	µg/l	1.8	2.4	4.0	4.7	2.6	
Semi-Volatile Organic Compounds									
Phenol	108-95-2	1	µg/l	ND	ND	ND	ND	ND	

Notes:

<sup>(1)</sup> NY-AWQS: New York TOGS 1.1.1 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004. Listing water class GA (Source of drinking water, groundwater).

Table represents detected compounds within the analysis.

Bolded and highlighted result exceeds their corresponding AWQS standard.

ND = Not detected

Units and Lab-Applied Qualifiers:

µg/l = micrograms per liter or parts per billion (ppb)

J = Estimated value. The target analyte concentration is below the quantitation limit (RL), but above the method detection limit (MDL) or estimated detection limit for SPME-related analysis.

result represents an estimated concentration for Tentatively Identified Compounds (TICs).

E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.