



NOR-02991

December 9, 2022

Mr. Jason Pelton  
Section Chief, Remedial Bureau D, Section B  
New York State Department of Environmental Conservation  
Division of Environmental Remediation, 12<sup>th</sup> Floor  
625 Broadway  
Albany, New York 12233-7015

Reference: CLEAN Contract No. N6247016D9008  
Contract Task Order WE13

Subject: November 2022 Reporting Period  
Groundwater Discharge Monitoring Report RE-137 Area, Drainage Basin 17, Nassau County  
Basin #305  
NYSDEC Site No. 130003B, NWIRP Bethpage

Dear Mr. Pelton:

Tetra Tech (Tt) is providing this monthly monitoring report for the groundwater discharge at the RE137 Area Groundwater Treatment System (GWTS) located near the Former Naval Weapons Industrial Reserve Plant (NWIRP), Bethpage. This report was prepared in accordance with New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) Permit Equivalent dated February 16, 2022.

This document is the eighth monthly report for this system. Full time operation of the RE-137 GWTS began on May 2, 2022 at a nominal flowrate of 100 gallons per minute (GPM) and has been gradually increased since then. In November 2022, the system ran at a nominal rate of 357 GPM, which is the capacity of the existing pump. During the month of November 2022, the RE-137 GWTS operated for approximately 687 hours (uptime of 95.4%) and extracted, treated, and discharged an approximate total of 14,966,817 gallons of groundwater. As of November 30, 2022, the system has treated a total of 80,659,132 gallons of groundwater and removed 727 pounds of volatile organic compounds.

The monthly samples were collected on November 3, 2022, prior to changeout of the GAC. As indicated in Attachment A, all constituents are within the SPDES parameters during this period.

If you have any questions, please contact me at [david.brayack@tetratech.com](mailto:david.brayack@tetratech.com) or 757-466-4909.

Sincerely,

*David Brayack*  
David Brayack, P.E.  
Project Manager

Attachment A: Discharge Monitoring Report, November 2022

NOR-02991  
Mr. Jason Pelton  
December 9, 2022 - Page 2

cc: J. Pilewski, NYSDEC – Region 1  
K. Granzen, NYSDEC  
M. Travis, NYSDEC  
G. Ennis, Nassau County Department of Public Works  
S. Sokolowski, NAVFAC Mid-Atlantic  
E. Murphy, Tetra Tech  
V. Varricchio, NWIRP Bethpage Facilities Manager

**ATTACHMENT A  
DISCHARGE MONITORING REPORT  
NOVEMBER 2022**

**Attachment A - Groundwater Sampling Results for Discharge Monitoring Report  
RE-137 Area Groundwater Remediation  
Groundwater Treatment Plant  
Naval Weapons Industrial Reserve Plant – Bethpage, NY  
November 2022**

SPDES Parameters			November 2022		
Process Stream	Daily Treated Effluent Maximum	Units	RE-137 Influent (SP-100)	AOP Effluent (SP-201)	Treated Effluent (SP-303)
Well Depth	N/A	ft bgs	750	N/A	N/A
Screened Interval	N/A	ft bgs	630-745	N/A	N/A
Sampling Date	N/A	N/A	11/3/2022		
System Flowrate	400	GPM	N/A	N/A	357
Total Flow	N/A	Gallons	N/A	N/A	14,966,817
pH	4.0-8.5	SU	NR	NR	5.65
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	ug/L	15.1	14.3	0.71 J
1,1,2-Trichloroethane	1	ug/L	0.58 J	0.34 J	0.75 U
1,1-Dichloroethane	5	ug/L	0.69 J	0.34 J	0.75 U
1,1-Dichloroethene	5	ug/L	4.4	0.75 U	0.75 U
1,4-Dioxane (via 8270 SIM)	0.35	ug/L	3.9	0.2 U	0.2 U
Bis(2-Ethylhexyl) phthalate	7.5	ug/L	N/A	N/A	4.0 U
Carbon Tetrachloride	5	ug/L	1.9	1.8	0.75 U
Chloroform	7	ug/L	0.75 U	0.75 U	0.75 U
cis-1,2-Dichloroethene	5	ug/L	0.75 U	0.75 U	0.75 U
Tetrachloroethene	5	ug/L	3.6	0.75 U	0.75 U
Trichloroethene	5	ug/L	763	0.89 J	0.75 U

Total VOCs Influent November (ppm) 0.79  
Total VOCs Treated November (pounds) 99  
Total VOCs Treated (pounds) 727

ft bgs- feet below ground surface.

GPM- gallons per minute.

J – Estimated result between laboratory method detection limit and reporting limit.

NR – Not recorded.

N/A – Not Applicable.

ug/L- micrograms per liter.

U - Not detected.