



NOR-02968

October 11, 2022

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

Reference: CLEAN Contract No. N6247016D9008
Contract Task Order WE13

Subject: September 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 sixth 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 September 2022, the system ran at a nominal rate of 360 GPM, which is the capacity of the existing pump. During the month of September 2022, the RE-137 GWTS operated for approximately 668 hours (uptime of 93%) and extracted, treated, and discharged a total of 14,161,560 gallons of groundwater. As of September 30th, 2022, the system has treated a total of 50,205,978 gallons of groundwater and removed 490 pounds of volatile organic compounds.

The monthly samples were collected on September 8, 2022. 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@tetrattech.com or 757-466-4909.

Sincerely,

David Brayack

David Brayack, P.E.

Project Manager

Attachment A: Discharge Monitoring Report, September 2022

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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
L. Donston, Tetra Tech
V. Varricchio, NWIRP Bethpage Facilities Manager

**ATTACHMENT A
DISCHARGE MONITORING REPORT
SEPTEMBER 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
September 2022**

SPDES Parameters			August 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	09/08/2022		
System Flowrate	400	GPM	N/A	N/A	362
Total Flow	N/A	Gallons	N/A	N/A	14,161,560
pH	4.0-8.5	SU	NR	NR	5.78
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	ug/L	17.7	18.0	0.75 U
1,1,2-Trichloroethane	1	ug/L	0.66 J	0.39 J	0.75 U
1,1-Dichloroethane	5	ug/L	0.76 J	0.40 J	0.75 U
1,1-Dichloroethene	5	ug/L	4.7	0.75 U	0.75 U
1,4-Dioxane (via 8270 SIM)	0.35	ug/L	3.2	0.20 U	0.20 U
Bis(2-Ethylhexyl) phthalate	7.5	ug/L	N/A	N/A	2.9 J
Carbon Tetrachloride	5	ug/L	1.9	2.0	0.75 U
Chloroform	7	ug/L	0.33 J	0.75 U	0.75 U
cis 1,2-Dichloroethene	5	ug/L	3.0	0.75 U	0.75 U
Tetrachloroethene	5	ug/L	4.3	0.75 U	0.75 U
Trichloroethene	5	ug/L	1,100	0.84	0.75 U

Total VOCs Influent September (ppm) 1.14
Total VOCs Treated September (pounds) 134
Total VOCs Treated Cumulative (pounds) 490

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.

NS – Not sampled.

ug/L- micrograms per liter.

U - Not detected.