



NOR-02914

April 25, 2022

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

Reference: CLEAN Contract No. N6247016D9008
Contract Task Order WE13

Subject: March 2022 Reporting Period
Groundwater Discharge Monitoring Report RE-137 Area, Drainage Basin 17
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 New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) Permit Equivalent dated February 16, 2022.

This document is the first monthly report for this system. During the month of March 2022, the RE-137 GWTS extracted, treated, and discharged a total of approximately 208,000 gallons of water over a period of 32 hours of operation during the week of March 21, 2022. One set of water samples was collected on March 24, 2022, and as indicated in Attachment A, all constituents are within the SPDES parameters during this period. Periodic operation of the system will continue through April 2022, as the remaining control systems are brought on line. Continuous operation is anticipated to start in late April 2022.

If you have any questions, please contact me at david.brayack@tetrattech.com or 757-466-4909.

Sincerely,

A handwritten signature in blue ink, appearing to read 'David Brayack', written over a light blue horizontal line.

David Brayack, P.E.
Project Manager

Attachment A: Discharge Monitoring Report, March 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
L. Donston, Tetra Tech
V. Varricchio, NWIRP Bethpage Facilities Management

ATTACHMENT A
DISCHARGE MONITORING REPORT, MARCH 2022

Discharge Monitoring Report - March 2022
RE-137 Area Groundwater Treatment System
Naval Weapons Industrial Reserve Plant – Bethpage, NY

SPDES Parameters			March 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	03/24/2022		
System Flowrate	400	GPM	N/A	N/A	100
Total Flow (Month)	N/A	Gallons	N/A	N/A	208,040
pH	4.0-8.5	SU	5.78	NR	6.87
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	ug/L	21.4J	21.1	ND (0.75)
1,1,2-Trichloroethane	1	ug/L	ND (37.5)	0.68J	ND (0.75)
1,1-Dichloroethane	5	ug/L	ND (37.5)	0.50J	ND (0.75)
1,1-Dichloroethene	5	ug/L	ND (37.5)	ND (0.75)	ND (0.75)
1,4-Dioxane (via 8270 SIM)	0.35	ug/L	5	ND (0.20)	ND (0.20)
Bis(2-Ethylhexyl) phthalate	7.5	ug/L	NS	NS	ND (4.0)
Carbon Tetrachloride	5	ug/L	ND (37.5)	2.20	ND (0.75)
Chloroform	7	ug/L	ND (37.5)	0.94J	ND (0.75)
cis 1,2-Dichloroethene	5	ug/L	ND (37.5)	ND (0.75)	ND (0.75)
Tetrachloroethene	5	ug/L	ND (37.5)	ND (0.75)	ND (0.75)
Trichloroethene	5	ug/L	1,750	2.9	ND (0.75)

Ft bgs - feet below ground surface.

GPM - gallons per minute.

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

ND – Not detected above laboratory method detection limit. Limit of Detection (LOD) given in parentheses.

N/A – Not Applicable.

NS – Not sampled.

ug/L- micrograms per liter.