



9 May 2018

Mr. Jason Pelton  
New York State Department of Environmental Conservation  
Division of Solid & Hazardous Materials  
625 Broadway  
Albany, NY 12233-7252

**Subject: GROUNDWATER DISCHARGE MONITORING/AIR EMISSION REPORT  
GM-38 AREA, NWIRP BETHPAGE, NY; DER SITE # 1-30-003B-OU 2  
APRIL 2018 REPORTING PERIOD**

Dear Mr. Pelton:

KOMAN Government Solutions, LLC (KGS) is submitting this monthly monitoring report of the groundwater discharge and air emission results for the Groundwater Treatment Plant (GWTP) located at the Former Naval Weapons Industrial Reserve Plant (NWIRP), Bethpage, NY, GM-38 Area. This report was prepared in accordance with GWTP operational requirements for DER Site # 1-30-003B-OU 2, and the SPDES Permit Equivalent # 13003B.

GWTP operational data from 1 April to 30 April 2018 are presented in Attachment A. In the April reporting period, no downtime was recorded for the GM38. As indicated in Attachment A, all SPDES permitted constituents were in compliance with regulatory guidelines during this reporting period.

Please contact me at 610-400-0622 with any questions or concerns you may have regarding this report.

Sincerely,

***KOMAN Government Solutions, LLC***

Stephane Roy  
Project Manager

Attachment A: Groundwater and Air Sampling Results from March 2018

Cc: S. Edwards, NYSDEC  
D. Hesler, NYSDEC  
C. Haas, NYSDEC Region 1  
W. Parish, NYSDEC Region 1  
R. Wither, NYSDEC Division of Water  
J. Pilewski, NYSDEC – Region 1 Water Engineer

S. Karpinski, NYSDOH  
J. Lovejoy, NCDH  
L. Thantu, USEPA Region 2  
G. Ennis, Nassau County Department of Public Works  
S. Urban, Nassau County Department of Public Works  
T. Licata, Town of Oyster Bay  
M. Russo, Town of Oyster Bay  
L. Fly, NAVFAC Mid-Atlantic  
B. Murray, NAVFAC Mid-Atlantic RPM  
G. Pearman, NWIRP Bethpage  
GM-38 Copy

**ATTACHMENT A**  
**GROUNDWATER AND AIR SAMPLING RESULTS**  
**APRIL 2018**

**GM-38 Area Groundwater Remediation  
Groundwater Treatment Plant  
Naval Weapons Industrial Reserve Plant - Bethpage, NY  
Discharge Monitoring Report  
April 2018**

SPDES Parameters	April 2018 <sup>(1)</sup>					
Process Stream	Daily Treated Effluent Maximum <sup>(1)</sup>	Units	RW-1	RW-3 <sup>(2)</sup>	Combined Influent <sup>(3)</sup>	Treated Effluent
Well Depth	N/A	ft	445	530	N/A	N/A
Screened Interval	N/A	ft bgs	335-395 410-430	392-412 442-504	N/A	N/A
Sampling Date	N/A		4/2/18			
Effective Flowrate	1100	GPM	938	0.3	938	970
Total Flow	N/A	gallons	39,759,365	14,800	39,774,165	41,114,502
pH	5.5 - 8.5	SU	4.88	NS	4.88	6.02
Chloroform	5	µg/L	0.310 J	NS	0.310 J	ND (1.0)
1,1-Dichloroethane	5	µg/L	1.61	NS	1.61	ND (1.0)
1,2-Dichloroethane	0.6	µg/L	ND (1.0)	NS	ND (1.0)	ND (1.0)
1,1-Dichloroethene	5	µg/L	0.990 J	NS	0.990 J	ND (1.0)
cis 1,2-Dichloroethene	5	µg/L	5.25	NS	5.25	ND (1.0)
trans 1,2-Dichloroethene	5	µg/L	ND (1.0)	NS	ND (1.0)	ND (1.0)
Tetrachloroethene	5	µg/L	18.6	NS	18.6	ND (1.0)
1,1,1-Trichloroethane	5	µg/L	0.630 J	NS	0.630 J	ND (1.0)
Trichloroethene	5	µg/L	78.6	NS	78.6	0.500 J
1,1,2-Trichlorotrifluoroethane	5	µg/L	ND (1.0)	NS	ND (1.0)	ND (1.0)
Vinyl Chloride	2	µg/L	0.200 J	NS	0.200 J	ND (1.0)
1,4-Dioxane	--	µg/L	NS	NS	NS	2.0
Mercury	0.00025	mg/L	ND (0.00010)	NS	ND (0.00010)	ND (0.00010)
Total Suspended Solids (TSS)	N/A	mg/L	ND (1.0)	NS	ND (1.0)	ND (1.0)

**Notes:**

J - Estimated result between laboratory method detection limit and reporting limit

ND - Not detected above laboratory method detection limit. Reporting Limit (RL) given in parentheses.

NR - Not Recorded

N/A - Not Applicable

NS - Not Sampled

(1) Wastewater discharge equivalence permit renewed on 18 August 2017. Discharge limits established for 10 years. Chloroform, 1,4-dioxane and 1,1,2-trichlorotrifluoroethane are now monitored under the new permit.

(2) Well RW-3 was turned on for a total of approximately 1 hour this period.

**GM-38 Area Groundwater Remediation  
Groundwater Treatment Plant  
Naval Weapons Industrial Reserve Plant - Bethpage, NY  
Air Sampling Results  
April 2018**

DAR Parameters		Discharge Goal <sup>(1)</sup>	April 2018	
			Influent	Effluent
Process Stream				
Sampling Date			4/2/18	
Average Flowrate	CFM	N/A	NR	9,616
Total Flow	ft <sup>3</sup>	N/A	NR	415,418,400
Total Flow	m <sup>3</sup>	N/A	NR	11,763,339
1,2-Dichloroethane	µg/m <sup>3</sup>	N/A	2.4 J	ND
cis 1,2-Dichloroethene	µg/m <sup>3</sup>	> 100,000 <sup>(2)</sup>	75	ND
trans 1,2-Dichloroethene	µg/m <sup>3</sup>		1.5 J	ND
1,2-Dichloroethene (total)	µg/m <sup>3</sup>	>100,000	77	ND
Toluene	µg/m <sup>3</sup>	N/A	0.35 J	ND
Total Xylene	µg/m <sup>3</sup>	N/A	ND	ND
1,1,2-Trichloroethane	µg/m <sup>3</sup>	N/A	1.6 J	ND
Trichloroethene	µg/m <sup>3</sup>	2,600	1100	1.8 J
Vinyl Chloride	µg/m <sup>3</sup>	560	2.0 J	1.5 J
Tetrachloroethene	µg/m <sup>3</sup>	5,100	240	1.0 J

Notes:

CFM - cubic feet per minute

DAR - Division of Air Resources

J - Estimated result between laboratory method detection limit and reporting limit

N/A - Not Applicable

NR - Not recorded

(1) Discharge goal as approved by NYSDEC's letter dated 31 October 2013.

(2) Discharge goal is for total 1,2-Dichloroethene.

**GM-38 Area Groundwater Remediation  
Groundwater Treatment Plant  
Naval Weapons Industrial Reserve Plant - Bethpage, NY  
Controlled Stack Emissions  
April 2018**

<b>DAR Parameters</b>	<b>Units</b>	<b>Discharge Goal <sup>(1)</sup></b>	<b>April 2018</b>
Sampling Date			4/2/18
Average Flowrate	CFM	N/A	9,616
Total Flow	ft <sup>3</sup>	N/A	415,418,400
Total Flow	m <sup>3</sup>	N/A	11,763,339
Trichloroethene	lb/hr	0.09	0.00006
Vinyl Chloride	lb/hr	0.02	0.00005
1,2 Dichloroethene	lb/hr	11	0.00000
1,2-Dichloroethane	lb/hr	N/A	0.00000
Toluene	lb/hr	N/A	0.00000
Total Xylene	lb/hr	N/A	0.00000
1,1,2-Trichloroethane	lb/hr	N/A	0.00000
Tetrachloroethene	lb/hr	0.18	0.00004

Notes:

CFM - cubic feet per minute

DAR - Division of Air Resources

N/A - Not Applicable

(1) Discharge goal as approved by NYSDEC's letter dated 31 October 2013.