



SBA-certified 8(a), SDB Company

14 December 2017

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
NOVEMBER 2017 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 November 2017 to 30 November 2017 are presented in Attachment A. During this reporting period, there was no scheduled or unscheduled downtime for the GWTP.

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 November 2017

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ATTACHMENT A
GROUNDWATER AND AIR SAMPLING RESULTS
NOVEMBER 2017

**GM-38 Area Groundwater Remediation
Groundwater Treatment Plant
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Discharge Monitoring Report
November 2017**

SPDES Parameters	November 2017 ⁽¹⁾					
Process Stream	Daily Treated Effluent Maximum ⁽¹⁾	Units	RW-1 ⁽²⁾	RW-3 ⁽³⁾	Combined Influent ⁽³⁾	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		11/6/17			
Effective Flowrate	1100	GPM	968	0.0	968	998
Total Flow	N/A	gallons	41,830,600	0	41,830,600	43,093,000
pH	5.5 - 8.5	SU	5.04	NS	5.04	6.04
Chloroform	5	µg/L	0.31 J	NS	0.31 J	ND (1.0)
1,1-Dichloroethane	5	µg/L	2.0	NS	2.00	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	1.5	NS	1.50	ND (1.0)
cis 1,2-Dichloroethene	5	µg/L	6.6	NS	6.60	0.33 J
trans 1,2-Dichloroethene	5	µg/L	ND (1.0)	NS	ND (1.0)	ND (1.0)
Tetrachloroethene	5	µg/L	22	NS	22	ND (1.0)
1,1,1-Trichloroethane	5	µg/L	0.91 J	NS	0.91 J	ND (1.0)
Trichloroethene	5	µg/L	100	NS	100	0.75 J
1,1,2-Trichlorotrifluoroethane	5	µg/L	ND (1.0)	NS	ND (1.0)	ND (1.0)
Vinyl Chloride	2	µg/L	0.37 J	NS	0.37 J	ND (1.0)
1,4-Dioxane	--	µg/L	NS	NS	NS	1.9
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 trichlorofluoroethane are now monitored under the new permit.

(2) On 1 July 2015, the RW-1 flowrate was increased from ~800 gpm to ~1,000 gpm and RW-3 was taken off-line, as approved by NYSDEC on 20 April 2015. Influent concentrations presented above are therefore equivalent to RW-1 concentrations only.

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

**GM-38 Area Groundwater Remediation
Groundwater Treatment Plant
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Air Sampling Results
November 2017**

DAR Parameters		Discharge Goal ⁽¹⁾	November 2017	
			Influent	Effluent
Process Stream				
Sampling Date			11/14/17	
Average Flowrate	CFM	N/A	NR	9,505
Total Flow	ft ³	N/A	NR	410,630,400
Total Flow	m ³	N/A	NR	11,627,758
1,2-Dichloroethane	µg/m ³	N/A	3.1 J	ND
cis 1,2-Dichloroethene	µg/m ³	> 100,000 ⁽²⁾	70	ND
trans 1,2-Dichloroethene	µg/m ³		1.7 J	ND
1,2-Dichloroethene (total)	µg/m ³	>100,000	72	ND
Toluene	µg/m ³	N/A	37	ND
Total Xylene	µg/m ³	N/A	ND	ND
1,1,2-Trichloroethane	µg/m ³	N/A	1.3 J	ND
Trichloroethene	µg/m ³	2,600	1400	5.2
Vinyl Chloride	µg/m ³	560	ND U	1.4 J
Tetrachloroethene	µg/m ³	5,100	260	1.8 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
November 2017**

DAR Parameters	Units	Discharge Goal ⁽¹⁾	November 2017
Sampling Date			11/14/17
Average Flowrate	CFM	N/A	9,505
Total Flow	ft ³	N/A	410,630,400
Total Flow	m ³	N/A	11,627,758
Trichloroethene	lb/hr	0.09	0.00019
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	0.00006

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.