



SBA-certified 8(a), SDB Company

11 November 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
OCTOBER 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 October 2017 to 31 October 2017 are presented in Attachment A. During this reporting period, scheduled downtime occurred on 25 October 2017 to perform vapor carbon changeout in two 20,000 lbs vessels. The GWTP was down for approximately 11.5 hours. The scheduled downtime had minimum impact on the average flowrates during this reporting period.

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 October 2017

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ATTACHMENT A
GROUNDWATER AND AIR SAMPLING RESULTS
OCTOBER 2017

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

SPDES Parameters	October 2017 ⁽¹⁾					
	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		10/3/17			
Effective Flowrate	1100	GPM	950	0.5	950	953
Total Flow	N/A	gallons	42,397,154	24,000	42,421,154	42,558,714
pH	5.5 - 8.5	SU	5.17	NS	5.17	6.17
Chloroform	5	µg/L	0.45 J	NS	0.45 J	ND (1.0)
1,1-Dichloroethane	5	µg/L	1.8	NS	1.80	ND (1.0)
1,2-Dichloroethane	0.6	µg/L	0.36 J	NS	0.36	ND (1.0)
1,1-Dichloroethene	5	µg/L	1.3	NS	1.30	ND (1.0)
cis 1,2-Dichloroethene	5	µg/L	6.8	NS	6.80	0.24 J
trans 1,2-Dichloroethene	5	µg/L	0.22 J	NS	0.22	ND (1.0)
Tetrachloroethene	5	µg/L	24	NS	24	ND (1.0)
1,1,1-Trichloroethene	5	µg/L	0.86 J	NS	0.86 J	ND (1.0)
Trichloroethene	5	µg/L	100	NS	100	0.67 J
Trichlorofluoroethane	5	µg/L	0.25 J	NS	ND (1.0)	ND (1.0)
Vinyl Chloride	2	µg/L	0.21 J	NS	0.21 J	ND (1.0)
1,4-Dioxane	--	µg/L	ND (20)	NS	ND (20)	ND (20)
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 2 hours this period.

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

DAR Parameters	October 2017	Discharge Goal ⁽¹⁾	October 2017	
			Influent	Effluent
Process Stream				
Sampling Date	N/A	N/A	10/3/17	
Average Flowrate	CFM	N/A	NR	7,823
Total Flow	ft ³	N/A	NR	349,196,400
Total Flow	m ³	N/A	NR	9,888,141
1,2-Dichloroethane	µg/m ³	N/A	3.7 J	3.7
cis 1,2-Dichloroethene	µg/m ³	> 100,000 ⁽²⁾	100	160
trans 1,2-Dichloroethene	µg/m ³		ND	1.9 J
1,2-Dichloroethene (total)	µg/m ³	>100,000	100	160
Toluene	µg/m ³	N/A	1.9 J	ND
Total Xylene	µg/m ³	N/A	ND	ND
1,1,2-Trichloroethane	µg/m ³	N/A	2.2 J	ND
Trichloroethene	µg/m ³	2,600	1600	4.8
Vinyl Chloride	µg/m ³	560	3.6 J	1.9 J
Tetrachloroethene	µg/m ³	5,100	320	2.0 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
October 2017**

DAR Parameters	Units	Discharge Goal ⁽¹⁾	October 2017
Sampling Date	N/A	N/A	10/3/17
Average Flowrate	CFM	N/A	7,823
Total Flow	ft ³	N/A	349,196,400
Total Flow	m ³	N/A	9,888,141
Trichloroethene	lb/hr	0.09	0.00014
Vinyl Chloride	lb/hr	0.02	0.00006
1,2 Dichloroethene	lb/hr	11	0.00469
1,2-Dichloroethane	lb/hr	N/A	0.00011
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.