



SBA-certified 8(a), SDB Company

12 June 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
MAY 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.

GWTP operational data from 1 May 2017 to 31 May 2017 are presented in Attachment A. There was no significant downtime for the GWTP during this reporting period.

As indicated in Attachment A, all 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 May 2017

Cc: Donald Hesler - NYSDEC
Henry Wilkie - NYSDEC
Steven Scharf – NYSDEC
Jean Occidental - NYSDEC Division of Water
Jennifer Pilewski - NYSDEC – Region 1 Water Engineer
Gerard Ennis - Nassau County Department of Public Works
Linda Bianculli - Town of Oyster Bay
Lora Fly - NAVFAC Mid-Atlantic RPM
Greg Pearman – NWIRP Bethpage
GM-38 Copy

ATTACHMENT A
GROUNDWATER AND AIR SAMPLING RESULTS
MAY 2017

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

SPDES Parameters	May 2017					
	Daily Treated Effluent Maximum	Units	RW-1 ⁽¹⁾	RW-3	Combined Influent ⁽¹⁾	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		5/10/17			
Effective Flowrate	1100	GPM	978	0.0	978	1,004
Total Flow	N/A	gallons	42,266,500	0	42,266,500	43,421,051
pH	5.5 - 8.5	SU	5.11	NS	5.11	6.08
Carbon Tetrachloride	NA	µg/L	ND (1.0)	NS	ND (1.0)	ND (1.0)
1,1-Dichloroethane	5	µg/L	1.5	NS	1.5	ND (1.0)
1,2-Dichloroethane	0.6	µg/L	ND (1.0)	NS	ND (1.0) J	ND (1.0)
1,1-Dichloroethene	5	µg/L	0.9 J	NS	0.9	ND (1.0)
cis 1,2-Dichloroethene	5	µg/L	7.0	NS	7.0	ND (1.0)
trans 1,2-Dichloroethene	5	µg/L	ND (1.0)	NS	ND (1.0) J	ND (1.0)
Tetrachloroethene	5	µg/L	24	NS	24	ND (1.0)
1,1,1-Trichloroethene	5	µg/L	1.0	NS	1.0	ND (1.0)
Trichloroethene	5	µg/L	110	NS	110	0.036 J
Vinyl Chloride	2	µg/L	0.26 J	NS	0.26 J	ND (1.0)
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:

B - Method blank contamination

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

NS - Not Sampled. RW-3 sampling frequency has been reduced from monthly to semi-annually.

N/A - Not Applicable

NS - Not Sampled

(1) 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.

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

DAR Parameters	March 2017	Discharge Goal ⁽¹⁾	April 2017	
			Influent	Effluent
Process Stream				
Sampling Date	N/A	N/A	5/11/17	
Average Flowrate	CFM	N/A	NR	7,465
Total Flow	ft ³	N/A	NR	333,228,672
Total Flow	m ³	N/A	NR	9,435,985
1,2-Dichloroethane	µg/m ³	N/A	4.4 J	1.1 J
cis 1,2-Dichloroethene	µg/m ³	> 100,000 ⁽²⁾	110	200
trans 1,2-Dichloroethene	µg/m ³		2.6 J	2.0 J
1,2-Dichloroethene (total)	µg/m ³	>100,000	110	200
Toluene	µg/m ³	N/A	0.74 J	ND
Total Xylene	µg/m ³	N/A	ND	ND
1,1,2-Trichloroethane	µg/m ³	N/A	ND	ND
Trichloroethene	µg/m ³	2,600	2000	2.9 J
Vinyl Chloride	µg/m ³	560	3.5 J	1.6 J
Tetrachloroethene	µg/m ³	5,100	370	1.3 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.

(3) Summa canister for sample NWIRP-GM-38-AIR-VC23- was leaking upon arrival at the laboratory due to a crack in the stem line. No results are available for this location.

**GM-38 Area Groundwater Remediation
Groundwater Treatment Plant
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Controlled Stack Emissions
May 2017**

DAR Parameters	Units	Discharge Goal ⁽¹⁾	April 2017
Sampling Date	N/A	N/A	5/11/17
Average Flowrate	CFM	N/A	7,465
Total Flow	ft ³	N/A	333,228,672
Total Flow	m ³	N/A	9,435,985
Trichloroethene	lb/hr	0.09	0.00008
Vinyl Chloride	lb/hr	0.02	0.00004
1,2 Dichloroethene	lb/hr	11	0.00559
1,2-Dichloroethane	lb/hr	N/A	0.00003
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.