

EDWARD P. MANGANO
COUNTY EXECUTIVE



SHILA SHAH-GAVNOUDIAS, P.E.
COMMISSIONER

**COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS**
1194 PROSPECT AVENUE
WESTBURY, NEW YORK 11590-2723



December 29, 2011

Cynthia Whitfield, P.E.
Environmental Engineer II
NYS Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Hazardous Site Control
625 Broadway
Albany, New York 12233

Re: Monthly Effluent Monitoring Reports 2011
Nassau County Mitchel Field Remedial Action
(AKA Purex), Site # 1-30-014

Dear Ms. Whitfield:

Attached is the September 2011 Monthly Effluent Monitoring Report for the groundwater remediation at the Purex Mitchel Field Remedial Action in Garden City, New York. The treatment system was repaired and offsite groundwater treatment resumed on September 8, 2011.

If you have any questions concerning the monthly monitoring report, please contact Mr. Michael Flaherty, Hydrogeologist III, at (516) 571-7514.

Very truly yours,

A handwritten signature in blue ink, appearing to read "Joe L. Davenport".

Joseph L. Davenport, P.E.
Chief Sanitary Engineer
Unit Head, Water/Wastewater Engineering Unit

JLD:cs
Attachment

c: Kenneth G. Arnold, Assistant to Commissioner of Public Works
Joseph N. Walker, Assistant Superintendent of Water Supply
Michael Flaherty, Hydrogeologist III
William Spitz, Region 1, NYSDEC

NASSAU COUNTY MITCHEL FIELD REMEDIAL ACTION
MONTHLY EFFLUENT MONITORING REPORT

OUTFALL 001G

SEPTEMBER 2011

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMPT MDL	WEEK 1	WEEK 2 9/12/2011	WEEK 3 9/19/2011	WEEK 4 9/26/2011	WEEK 5
FLOW, DAILY MAX	MONITOR	GPD	NA		100,800	100,800	100,800	
pH	6.5-8.5	su			6.87	6.47	6.72	
TOTAL AGG CONC #1	4.7	µ g/l						
TOTAL AGG CONC #2	2	µ g/l						
TOTAL AGG CONC #3	50	µ g/l						
DICHLOROBROMOMETHANE	50	µ g/l	0.9		BDL	BDL	BDL	
CARBON TETRACHLORIDE	5	µ g/l	1.3		BDL	BDL	BDL	
BROMOFORM	50	µ g/l	0.7		BDL	BDL	BDL	
DIBROMOCHLOROMETHANE	50	µ g/l	0.7		BDL	BDL	BDL	
CHLOROFORM	0.2	µ g/l	1.1		BDL	BDL	BDL	
TOLUENE	5	µ g/l	1.2		BDL	BDL	BDL	
BENZENE	0.7	µ g/l	0.7		BDL	BDL	BDL	
CHLOROBENZENE	5	µ g/l	1.2		BDL	BDL	BDL	
ETHYLBENZENE	5	µ g/l	1.2		BDL	BDL	BDL	
METHYLENE CHLORIDE	5	µ g/l	1.0		BDL	BDL	BDL	
TETRACHLOROETHENE	0.5	µ g/l	1.2		BDL	BDL	BDL	
TRICHLOROFLUOROMETHANE	5	µ g/l	1.2		BDL	BDL	BDL	
1,1-DICHLOROETHANE	5	µ g/l	1.1		BDL	BDL	BDL	
1,1-DICHLOROETHENE	0.9	µ g/l	1.2		BDL	BDL	BDL	
1,1,1-TRICHLOROETHANE	5	µ g/l	1.4		BDL	BDL	BDL	
1,1,2-TRICHLOROETHANE	0.5	µ g/l	0.9		BDL	BDL	BDL	
1,1,2,2 TETRACHLOROETHANE	0.3	µ g/l	1.0		BDL	BDL	BDL	
1,2-DICHLOROETHANE	1	µ g/l	0.8		BDL	BDL	BDL	
1,2 DICHLOROBENZENE	4.7	µ g/l	0.9		BDL	BDL	BDL	
1,2 DICHLOROPROPANE	5	µ g/l	1.0		BDL	BDL	BDL	
1,2(TRANS)-DICHLOROETHENE	2	µ g/l	1.1		BDL	BDL	BDL	
1,3 DICHLOROBENZENE	5	µ g/l	1.1		BDL	BDL	BDL	
1,4 DICHLOROBENZENE	4.7	µ g/l	1.0		BDL	BDL	BDL	
TRANS 1,3 DICHLOROPROPENE	2	µ g/l	0.9		BDL	BDL	BDL	
CIS 1,3 DICHLOROPROPENE	2	µ g/l	0.9		BDL	BDL	BDL	
m,p-XYLENE	5	µ g/l	2.4		BDL	BDL	BDL	
BROMOMETHANE	5	µ g/l	2.4		BDL	BDL	BDL	
VINYL CHLORIDE	5	µ g/l	1.1		BDL	BDL	BDL	
TRICHLOROETHENE	10	µ g/l	0.6		BDL	BDL	BDL	
1,2(CIS)-DICHLOROETHENE	5	µ g/l	0.7		BDL	BDL	BDL	
1,1,2 TRICHLORO 1,2,2 TRIFLUOROETHANE	5	µ g/l			BDL	BDL	BDL	
o-XYLENE	5	µ g/l	1.3		BDL	BDL	BDL	
CHLOROETHANE	5	µ g/l	1.6		BDL	BDL	BDL	
TOTAL VOCs	100	µ g/l	0					

B - Analyte detected in the associated Method Blank