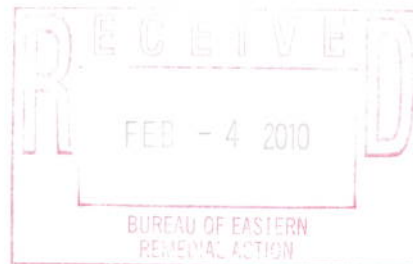


EDWARD P. MANGANO  
COUNTY EXECUTIVE



SHILA SHAH-GAVNOUDIAS, P.E.  
ACTING COMMISSIONER

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



January 22, 2010

New York State Department of  
Environmental Conservation  
Division of Environmental Remediation  
Bureau of Hazardous Site Control  
625 Broadway  
Albany, New York 12233

Att: Cynthia Whitfield, P.E.  
Environmental Engineer II

Re: Monthly Effluent Monitoring Reports 2009  
Nassau County Mitchel Field Remedial Action  
(AKA Purex), Site #1-30-014

Ladies and Gentlemen:

Attached is the December 2009 Monthly Effluent Monitoring Report for the groundwater remediation at the Purex Mitchel Field Remedial Action in Garden City, New York.

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

Very truly yours,

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

JLD:KGA:MF:cs  
Attachment

c: Kenneth G. Arnold, Sanitary Engineer IV  
William Spitz, Region 1, NYSDEC  
Joseph N. Walker, Assistant Superintendent of Water Supply  
Michael Flaherty, Hydrogeologist III

NASSAU COUNTY MITCHEL FIELD REMEDIAL ACTION  
 MONTHLY EFFLUENT MONITORING REPORT  
 DECEMBER 2009  
 OUTFALL 001G

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMPT MDL	WEEK 1	WEEK 2	WEEK 3	WEEK 4
				12/7/2009	12/14/2009	12/22/2009	12/28/2009
FLOW, DAILY MAX	MONITOR 6.5-8.5	GPD	NA	584,833	572,250	604,200	561,982
pH		su		7.38	6.98	7.11	6.87
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	BDL
CARBON TETRACHLORIDE	5	µ g/l	1.3	BDL	BDL	BDL	BDL
BROMOFORM	50	µ g/l	0.7	BDL	BDL	BDL	BDL
DIBROMOCHLOROMETHANE	50	µ g/l	0.7	BDL	BDL	BDL	BDL
CHLOROFORM	0.2	µ g/l	1.1	BDL	BDL	BDL	BDL
TOLUENE	5	µ g/l	1.2	BDL	BDL	BDL	1.1
BENZENE	0.7	µ g/l	0.7	BDL	BDL	BDL	BDL
CHLOROBENZENE	5	µ g/l	1.2	BDL	BDL	2.3	5.2
ETHYLBENZENE	5	µ g/l	1.2	BDL	BDL	BDL	BDL
METHYLENE CHLORIDE	5	µ g/l	1	4.2	7.7	4.5	2.0
TETRACHLOROETHENE	0.5	µ g/l	1.2	B	B	B	B
TRICHLOROFLUOROMETHANE	5	µ g/l	1.2	BDL	BDL	BDL	23
1,1-DICHLOROETHANE	5	µ g/l	1.1	BDL	BDL	BDL	BDL
1,1-DICHLOROETHENE	0.9	µ g/l	1.2	BDL	BDL	BDL	BDL
1,1,1-TRICHLOROETHANE	5	µ g/l	1.4	BDL	BDL	BDL	4.9
1,1,2-TRICHLOROETHANE	0.5	µ g/l	0.9	BDL	BDL	BDL	BDL
1,1,2,2 TETRACHLOROETHANE	0.3	µ g/l	1	BDL	BDL	BDL	BDL
1,2-DICHLOROETHANE	1	µ g/l	0.8	BDL	BDL	BDL	BDL
1,2-DICHLOROBENZENE	4.7	µ g/l	0.9	BDL	BDL	BDL	BDL
1,2-DICHLOROPROPANE	5	µ g/l	1	BDL	BDL	BDL	BDL
1,2-(TRANS)-DICHLOROETHENE	2	µ g/l	1.1	BDL	BDL	BDL	BDL
1,3-DICHLOROBENZENE	5	µ g/l	1.1	BDL	BDL	BDL	BDL
1,4-DICHLOROBENZENE	4.7	µ g/l	1	BDL	BDL	BDL	BDL
TRANS 1,3 DICHLOROPROPENE	2	µ g/l	0.9	BDL	BDL	BDL	BDL
CIS 1,3 DICHLOROPROPENE	2	µ g/l	0.9	BDL	BDL	BDL	BDL
m,p-XYLENE	5	µ g/l	2.4	BDL	BDL	BDL	BDL
BROMOMETHANE	5	µ g/l	2.4	BDL	BDL	BDL	BDL
VINYL CHLORIDE	5	µ g/l	1.1	BDL	BDL	BDL	BDL
TRICHLOROETHENE	10	µ g/l	0.6	BDL	BDL	BDL	1.2
1,2(CIS)-DICHLOROETHENE	5	µ g/l	0.7	0.69	BDL	1.6	13
1,1,2 TRICHLORO 1,2,2 TRIFLUOROETHANE	5	µ g/l	0.7	BDL	BDL	7.2	16
o-XYLENE	5	µ g/l	1.3	BDL	BDL	BDL	BDL
CHLOROETHANE	5	µ g/l	1.6	BDL	BDL	BDL	BDL
TOTAL VOCs	100	µ g/l	0	4.2	7.7	15.6	66.4

B - Analyte detected in the associated Method Blank  
 H - Sample received / analyzed outside method allowable holding time