

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 October 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,

A handwritten signature in purple ink, appearing to read "J. L. Davenport", followed by a horizontal line and a stylized flourish.

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

MONTHLY EFFLUENT MONITORING REPORT

OUTFALL 001G

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMPT MDL	WEEK 1 10/5/2009	WEEK 2 10/12/2009	WEEK 3 10/19/2009	WEEK 4 10/26/2009
FLOW, DAILY MAX	MONITOR	GPD	NA	562,643	671,200	659,080	639,800
pH	6.5-8.5	su		7.26 H	7.18 H	6.97 H	7.23 H
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	BDL
BENZENE	0.7	µ g/l	0.7	BDL	BDL	BDL	BDL
CHLOROBENZENE	5	µ g/l	1.2	BDL	BDL	BDL	BDL
ETHYLBENZENE	5	µ g/l	1.2	BDL	BDL	BDL	BDL
METHYLENE CHLORIDE	5	µ g/l	1	3.8 BC	4.4 BC	3.4 B	2.5 BC
TETRACHLOROETHENE	0.5	µ g/l	1.2	BDL	BDL	BDL	BDL
TRICHLOROFLUOROMETHANE	5	µ g/l	1.2	BDL	BDL	BDL	BDL
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	BDL
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	BDL
1,2(CIS)-DICHLOROETHENE	5	µ g/l	0.7	BDL	BDL	BDL	BDL
1,1,2 TRICHLORO 1,2,2 TRIFLUOROETHANE	5	µ g/l		BDL	BDL	BDL	BDL
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	3.8 BC	4.4 BC	3.4 B	2.5 BC

B - Analyte detected in the associated Method Blank

H - Sample received / analyzed outside method allowable holding time

C - Calibration %RSD/%D exceeded for non-CCC analytes

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January 21, 2010

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Re: Monthly Effluent Monitoring Reports 2009
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Ladies and Gentlemen:

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Joseph N. Walker, Assistant Superintendent of Water Supply
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EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMPT MDL	WEEK 1 9/7/2009	WEEK 2 9/14/2009	WEEK 3 9/21/2009	WEEK 4 9/28/2009
FLOW, DAILY MAX	MONITOR	GPD	NA	602,600	590,925	600,900	590,300
pH	6.5-8.5	su		6.79 H	7.34 H	7.28 H	7.26 H
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
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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
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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
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