

THOMAS R. SUOZZI
COUNTY EXECUTIVE



RAYMOND A. RIBEIRO, P.E.
COMMISSIONER

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

February 23, 2009

✓ 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 2008
Nassau County Mitchel Field Remedial Action
(AKA Purex), Site #1-30-014

Gentlemen:

Enclosed are the June through December 2008 Monthly Effluent Monitoring Reports 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. Joseph Walker, Assistant Superintendent of Water Supply, at (516) 571-6983.

Very truly yours,

A handwritten signature in black ink, appearing to read "Kenneth G. Arnold".

Kenneth G. Arnold, P.E.
Chief Sanitary Engineer
Unit Head, Water/Wastewater Engineering Unit

KGA:JNW:jb
Attachments

c: ✓ Joseph L. Davenport, Deputy Commissioner of Public Works
✓ William Spitz, Region 1, NYSDEC
Joseph N. Walker, Assistant Superintendent of Water Supply

NASSAU COUNTY MITCHEL FIELD REMEDIAL ACTION
MONTHLY EFFLUENT MONITORING REPORT

JUNE 2008
OUTFALL 001G

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMP'T MDL	WEEK 1 6/2/08	WEEK 2 06/09/08	WEEK 3 06/16/08	WEEK 4 06/23/08	WEEK 5 06/30/08
FLOW, DAILY MAX	MONITOR	GPD	NA	163,333	907,450	895,300	859,600	881,000
pH	6.5-8.5	SU		6.81 H	6.79 H	6.76 H	6.65 H	6.41 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	BDL
CARBON TETRACHLORIDE	5	µ g/l	1.3	BDL	BDL	BDL	BDL	BDL
BROMOFORM	50	µ g/l	0.7	BDL	BDL	BDL	BDL	BDL
DIBROMOCHLOROMETHANE	50	µ g/l	0.7	BDL	BDL	BDL	BDL	BDL
CHLOROFORM	0.2	µ g/l	1.1	BDL	BDL	BDL	BDL	BDL
TOLUENE	5	µ g/l	1.2	BDL	BDL	2.0	4.5	5.4
BENZENE	0.7	µ g/l	0.7	BDL	BDL	BDL	BDL	BDL
CHLOROBENZENE	5	µ g/l	1.2	BDL	3.4	4.5	8.2	10
ETHYLBENZENE	5	µ g/l	1.2	BDL	BDL	BDL	BDL	2.0
METHYLENE CHLORIDE	5	µ g/l	1.0	6.1 B	12 B	12 B	8.5 B	6.8 B
TETRACHLOROETHENE	0.5	µ g/l	1.2	BDL	9.9	13	43	63
TRICHLOROFLUOROMETHANE	5	µ g/l	1.2	BDL	BDL	BDL	BDL	BDL
1,1-DICHLOROETHANE	5	µ g/l	1.1	BDL	1.4	1.3	BDL	1.3
1,1-DICHLOROETHENE	0.9	µ g/l	1.2	BDL	BDL	BDL	BDL	BDL
1,1,1-TRICHLOROETHANE	5	µ g/l	1.4	BDL	3.6	3.6	12	16
1,1,2-TRICHLOROETHANE	0.5	µ g/l	0.9	BDL	BDL	BDL	BDL	BDL
1,1,2,2 TETRACHLOROETHANE	0.3	µ g/l	1.0	BDL	BDL	BDL	BDL	BDL
1,2-DICHLOROETHANE	1	µ g/l	0.8	BDL	BDL	BDL	BDL	BDL
1,2 DICHLOROBENZENE	4.7	µ g/l	0.9	BDL	BDL	5.3	4.7	5.8
1,2 DICHLOROPROPANE	5	µ g/l	1.0	BDL	BDL	BDL	BDL	BDL
1,2(TRANS)-DICHLOROETHENE	2	µ g/l	1.1	BDL	BDL	BDL	BDL	BDL
1,3 DICHLOROBENZENE	5	µ g/l	1.1	BDL	BDL	BDL	BDL	BDL
1,4 DICHLOROBENZENE	4.7	µ g/l	1.0	BDL	BDL	BDL	BDL	BDL
TRANS 1,3 DICHLOROPROPENE	2	µ g/l	0.9	BDL	BDL	BDL	BDL	BDL
CIS 1,3 DICHLOROPROPENE	2	µ g/l	0.9	BDL	BDL	BDL	BDL	BDL
m,p-XYLENE	5	µ g/l	2.4	BDL	BDL	BDL	BDL	BDL
BROMOMETHANE	5	µ g/l	2.4	BDL	BDL	BDL	BDL	BDL
VINYL CHLORIDE	5	µ g/l	1.1	BDL	4.2	2.8	4.4	6.2
TRICHLOROETHENE	10	µ g/l	0.6	BDL	10	14	32	40
1,2(CIS)-DICHLOROETHENE	5	µ g/l	0.7	BDL	34	57	73	63
1,1,2 TRICHLORO 1,2,2 TRIFLUOROETHANE	5	µ g/l		BDL	BDL	BDL	BDL	BDL
o-XYLENE	5	µ g/l	1.3	BDL	BDL	BDL	BDL	BDL
CHLOROETHANE	5	µ g/l	1.6	BDL	BDL	BDL	BDL	BDL
TOTAL VOCs	100	µ g/l	0.0	6.10 B	78.50 B	115.50 B	190.30 B	219.50 B

B - Analyte detected in the associated Method Blank

H - Sample received / analyzed outside method allowable holding time

NASSAU COUNTY MITCHEL FIELD REMEDIAL ACTION
MONTHLY EFFLUENT MONITORING REPORT

JULY 2008
OUTFALL 001G

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMP'T MDL	WEEK 1 7/7/08	WEEK 2 07/14/08	WEEK 3 07/21/08	WEEK 4 07/28/08
FLOW, DAILY MAX	MONITOR	GPD	NA	897,500	856,300	848,200	856,500
pH	6.5-8.5	su		6.78 H	6.37 H	6.36 H	6.45 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	4.0	2.9	3.6	1.8
BENZENE	0.7	µ g/l	0.7	BDL	BDL	BDL	BDL
CHLOROBENZENE	5	µ g/l	1.2	6.7	5.3	6.2	3.6
ETHYLBENZENE	5	µ g/l	1.2	1.1	BDL	BDL	BDL
METHYLENE CHLORIDE	5	µ g/l	1.0	14 B	13 B	8.8 B	BDL
TETRACHLOROETHENE	0.5	µ g/l	1.2	69	55	56	41
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	14	11	13	7.5
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	1.0	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	5.7	4.3	4.8	2.8
1,2 DICHLOROPROPANE	5	µ g/l	1.0	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	1.0	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	2.0 J	BDL	BDL	BDL
BROMOMETHANE	5	µ g/l	2.4	BDL	BDL	BDL	BDL
VINYL CHLORIDE	5	µ g/l	1.1	4.3	BDL	2.7	1.8
TRICHLOROETHENE	10	µ g/l	0.6	42	32	30	25
1,2(CIS)-DICHLOROETHENE	5	µ g/l	0.7	54	39	47	27
1,1,2 TRICHLORO 1,2,2 TRIFLUOROETHANE	5	µ g/l		BDL	BDL	BDL	BDL
o-XYLENE	5	µ g/l	1.3	1.3	BDL	BDL	BDL
CHLOROETHANE	5	µ g/l	1.6	BDL	BDL	BDL	BDL
TOTAL VOCs	100	µ g/l	0.0	218.10 B	162.50 B	172.10 B	110.50

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

H - Sample received / analyzed outside method allowable holding time

**NASSAU COUNTY MITCHEL FIELD REMEDIAL ACTION
MONTHLY EFFLUENT MONITORING REPORT**

**AUGUST 2008
OUTFALL 001G**

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMPT MDL	WEEK 1 8/4/08	WEEK 2 08/11/08	WEEK 3 08/18/08	WEEK 4 08/25/08
FLOW, DAILY MAX	MONITOR	GPD	NA	843,100	800,600	850,200	851,200
pH	6.5-8.5	SU		6.52 H	6.57 H	6.68 H	6.72 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	4.0 C	4.3	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	5.1	5.8	2.0	1.2
BENZENE	0.7	µ g/l	0.7	BDL	BDL	BDL	BDL
CHLOROBENZENE	5	µ g/l	1.2	10	12	3.6	2.6
ETHYLBENZENE	5	µ g/l	1.2	2.1	2.0	BDL	BDL
METHYLENE CHLORIDE	5	µ g/l	1.0	15 BC	11 B	14 BC	4.0 B
TETRACHLOROETHENE	0.5	µ g/l	1.2	95	130	47	33
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	23	29	9.5	8.1
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	1.0	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	7.8	9.8	3.1	2.0
1,2 DICHLOROPROPANE	5	µ g/l	1.0	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	1.0	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	4.0	4.5	1.4	0.74 J
TRICHLOROETHENE	10	µ g/l	0.6	48	72	28	20
1,2(CIS)-DICHLOROETHENE	5	µ g/l	0.7	73	77	33	25
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	0.0	287.00 BC	357.40 B	141.60 BC	96.64 B

B - Analyte detected in the associated Method Blank

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

J - Analyte detected below quantitation limits

H - Sample received / analyzed outside method allowable holding time

NASSAU COUNTY MITCHEL FIELD REMEDIAL ACTION
MONTHLY EFFLUENT MONITORING REPORT

SEPTEMBER 2008
OUTFALL 001G

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMP'T MDL	WEEK 1 9/1/08	WEEK 2 9/8/08	WEEK 3 **	WEEK 4 **	WEEK 5 **
FLOW, DAILY MAX	MONITOR	GPD	NA	792,600	777,900			
pH	6.5-8.5	SU		7.18 H	6.77 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			
CARBON TETRACHLORIDE	5	µ g/l	1.3	BDL	BDL			
BROMOFORM	50	µ g/l	0.7	BDL	BDL			
DIBROMOCHLOROMETHANE	50	µ g/l	0.7	BDL	BDL			
CHLOROFORM	0.2	µ g/l	1.1	BDL	BDL			
TOLUENE	5	µ g/l	1.2	BDL	1.7			
BENZENE	0.7	µ g/l	0.7	BDL	BDL			
CHLOROBENZENE	5	µ g/l	1.2	BDL	3.8			
ETHYLBENZENE	5	µ g/l	1.2	BDL	BDL			
METHYLENE CHLORIDE	5	µ g/l	1.0	2.5 B	5.5 B			
TETRACHLOROETHENE	0.5	µ g/l	1.2	3.4	39			
TRICHLOROFLUOROMETHANE	5	µ g/l	1.2	BDL	BDL			
1,1-DICHLOROETHANE	5	µ g/l	1.1	BDL	BDL			
1,1-DICHLOROETHENE	0.9	µ g/l	1.2	BDL	BDL			
1,1,1-TRICHLOROETHANE	5	µ g/l	1.4	BDL	7.4			
1,1,2-TRICHLOROETHANE	0.5	µ g/l	0.9	BDL	BDL			
1,1,2,2 TETRACHLOROETHANE	0.3	µ g/l	1.0	BDL	BDL			
1,2-DICHLOROETHANE	1	µ g/l	0.8	BDL	BDL			
1,2 DICHLOROBENZENE	4.7	µ g/l	0.9	BDL	BDL			
1,2 DICHLOROPROPANE	5	µ g/l	1.0	BDL	BDL			
1,2(TRANS)-DICHLOROETHENE	2	µ g/l	1.1	BDL	BDL			
1,3 DICHLOROBENZENE	5	µ g/l	1.1	BDL	BDL			
1,4 DICHLOROBENZENE	4.7	µ g/l	1.0	BDL	BDL			
TRANS 1,3 DICHLOROPROPENE	2	µ g/l	0.9	BDL	BDL			
CIS 1,3 DICHLOROPROPENE	2	µ g/l	0.9	BDL	BDL			
m,p-XYLENE	5	µ g/l	2.4	BDL	BDL			
BROMOMETHANE	5	µ g/l	2.4	BDL	BDL			
VINYL CHLORIDE	5	µ g/l	1.1	BDL	BDL			
TRICHLOROETHENE	10	µ g/l	0.6	2.6	17			
1,2(CIS)-DICHLOROETHENE	5	µ g/l	0.7	4.7	21			
1,1,2 TRICHLORO 1,2,2 TRIFLUOROETHANE	5	µ g/l		BDL	BDL			
o-XYLENE	5	µ g/l	1.3	BDL	BDL			
CHLOROETHANE	5	µ g/l	1.6	BDL	BDL			
TOTAL VOCs	100	µ g/l	0.0	13.20 B	95.40 B			

B - Analyte detected in the associated Method Blank

**PLANT SHUT DOWN FOR STRIPPER TOWER ACID WASHING

H - Sample received / analyzed outside method allowable holding time

NASSAU COUNTY MITCHEL FIELD REMEDIAL ACTION
MONTHLY EFFLUENT MONITORING REPORT

OCTOBER 2008
OUTFALL 001G

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMP'T MDL	WEEK 1 **	WEEK 2 10/13/08	WEEK 3 10/20/08	WEEK 4 10/27/08
FLOW, DAILY MAX	MONITOR	GPD	NA		864,700	847,800	858,600
pH	6.5-8.5	su			6.57	7.02 H	7.02 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
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		1.6	1.2	1.4
BENZENE	0.7	µ g/l	0.7		BDL	BDL	BDL
CHLOROBENZENE	5	µ g/l	1.2		4.2	3.2	2.9
ETHYLBENZENE	5	µ g/l	1.2		BDL	BDL	BDL
METHYLENE CHLORIDE	5	µ g/l	1.0		BDL	BDL	10 BC
TETRACHLOROETHENE	0.5	µ g/l	1.2		16	18	19
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		3.8	3.7	4.7
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		2.7	BDL	2.1
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		0.54 J	BDL	0.79 J
TRICHLOROETHENE	10	µ g/l	0.6		9.5	11	12
1,2(CIS)-DICHLOROETHENE	5	µ g/l	0.7		14	14	14
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	0.0		52.34	51.10 B	66.89 B

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

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

H - Sample received / analyzed outside method allowable holding time

**PLANT SHUT DOWN FOR STRIPPER TOWER ACID WASHING

NASSAU COUNTY MITCHEL FIELD REMEDIAL ACTION
MONTHLY EFFLUENT MONITORING REPORT

NOVEMBER 2008
OUTFALL 001G

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMPT MDL	WEEK 1 11/3/08	WEEK 2 11/10/08	WEEK 3 11/17/08	WEEK 4 11/24/08
FLOW, DAILY MAX	MONITOR	GPD	NA	842,200	832,200	817,550	816,400
pH	6.5-8.5	SU		7.26	6.88	6.88	7.15 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	1.0	12 BC	11 BC	11 BC	7.0 BC
TETRACHLOROETHENE	0.5	µ g/l	1.2	1.5	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	1.0	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	1.0	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	1.0	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	1.9	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	0.0	15.40 BC	11.00 BC	11.00 BC	7.00

B - Analyte detected in the associated Method Blank

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

H - Sample received / analyzed outside method allowable holding time

NASSAU COUNTY MITCHEL FIELD REMEDIAL ACTION
MONTHLY EFFLUENT MONITORING REPORT

DECEMBER 2008
OUTFALL 001G

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMPT MDL	WEEK 1 12/1/08	WEEK 2 12/08/08	WEEK 3 12/15/08	WEEK 4 **	WEEK 5 **
FLOW, DAILY MAX	MONITOR	GPD	NA	799,900	799,600	791,600		
pH	6.5-8.5	SU		7.30 H	7.39 H	7.28 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		
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	10 BC	6.1 BC	6.1 BC		
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	0.0	10.00	6.10	6.10		

B - Analyte detected in the associated Method Blank

**PLANT SHUT DOWN FOR STRIPPER TOWER ACID WASHING

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

H - Sample received / analyzed outside method allowable holding time