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,

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 **JUNE 2008**

MONTHLY EFFLUENT MONITORING REPORT **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 **JULY 2008**

MONTHLY EFFLUENT MONITORING REPORT **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	COMP'T 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 **SEPTEMBER 2008**

MONTHLY EFFLUENT MONITORING REPORT **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

H - Sample received / analyzed outside method allowable holding time

**PLANT SHUT DOWN FOR STRIPPER TOWER ACID WASHING

NASSAU COUNTY MITCHEL FIELD REMEDIAL ACTION **OCTOBER 2008**

MONTHLY EFFLUENT MONITORING REPORT **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

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

J - Analyte detected below quantitaion limits

H - Sample received / analyzed outside method allowable holding time

**PLANT SHUT DOWN FOR STRIPPER TOWER ACID WASHING

NASSAU COUNTY MITCHEL FIELD REMEDIAL ACTION **NOVEMBER 2008**

MONTHLY EFFLUENT MONITORING REPORT **OUTFALL 001G**

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMP'T 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	COMP'T 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

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

**PLANT SHUT DOWN FOR STRIPPER TOWER ACID WASHING

H - Sample received / analyzed outside method allowable holding time