



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

June 14, 2006

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

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

Re: Monthly Effluent Monitoring Report / April and May 2006
Nassau County Fireman's Training Center, Site #1-30-042

Gentlemen:

Attached are the April and May 2006 Monthly Effluent Monitoring Reports for the groundwater remediation at the Fireman's Training Center site in Old Bethpage, New York. No effluent discharge criterion was exceeded during this time period.

If you have any questions concerning the monthly monitoring reports, please contact me at (516) 571-6970.

Very truly yours,

Peter J. Witkowski
Director of Hazardous Waste Services

PJW:JNW:cs
Attachments

c: Joseph L. Davenport, Deputy Commissioner
Kenneth G. Arnold, Sanitary Engineer IV
William Spitz, Region 1, NYSDEC

NASSAU COUNTY FIREMAN'S TRAINING CENTER
 GROUNDWATER REMEDIATION FACILITY
 MONTHLY EFFLUENT MONITORING REPORT
 OUTFALL 001

APRIL 2006

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMPT MDL	WEEK 1 4/4/06	WEEK 2 04/11/06	WEEK 3 04/18/06	WEEK 4 04/25/06	WEEK 5
FLOW, DAILY AVG	MONITOR	GPD	NA	297071	335000	337414	327183	
FLOW, DAILY MAX	MONITOR	GPD	NA	337400	342200	344800	334600	
VINYL CHLORIDE	5	µ g/l	1.1	BDL	BDL	BDL	BDL	
1,1-DICHLOROETHANE	5	µ g/l	1.1	BDL	BDL	BDL	BDL	
1,2-(TRANS)-DICHLOROETHENE	5	µ g/l	1.1	BDL	BDL	BDL	BDL	
1,2-(CIS)-DICHLOROETHENE	5	µ g/l	1.0	BDL	BDL	BDL	BDL	
1,1,1-TRICHLOROETHANE	5	µ g/l	1.4	BDL	BDL	BDL	BDL	
TRICHLOROETHENE	10	µ g/l	1.7	BDL	BDL	BDL	BDL	
BENZENE	0.7	µ g/l	0.7	BDL	BDL	BDL	BDL	
TETRACHLOROETHENE	5	µ g/l	1.2	BDL	BDL	BDL	BDL	
TOLUENE	5	µ g/l	1.2	BDL	BDL	BDL	BDL	
m,p-XYLENE	5	µ g/l	2.4	BDL	BDL	BDL	BDL	
o-XYLENE	5	µ g/l	1.3	BDL	BDL	BDL	BDL	
1,1-DICHLOROETHENE	5	µ g/l	1.2	BDL	BDL	BDL	BDL	
METHYL ETHYL KEYTONE	50	µ g/l	10.0	BDL	BDL	BDL	BDL	
ACETONE	50	µ g/l	10.0	BDL	BDL	BDL	BDL	
CHLOROFORM	7	µ g/l	1.1	BDL	BDL	BDL	BDL	
DICHLOROBROMOMETHANE	50	µ g/l	0.9	BDL	BDL	BDL	BDL	
DIBROMOCHLOROMETHANE	50	µ g/l	0.7	BDL	BDL	BDL	BDL	
NAPHTHALENE	10	µ g/l	1.7	BDL	BDL	BDL	BDL	
TOTAL VOCs		µ g/l	0.0	0.0	0.0	0.0	0.0	0.0
PHENANTHRENE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	
FLUORENE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	
PYRENE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	
BIS(2-ETHYLHEXYL)PHTHALATE	4.3	µ g/l	1.0	BDL	BDL	BDL	BDL	
DI-N-OCTYL PHTHALATE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	
DIMETHYL PHTHALATE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	
DIETHYL PHTHALATE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	
IRON, TOTAL	600	µ g/l	2.0	33.0	40.0	29.0	23.0	
MANGANESE, TOTAL	600	µ g/l	1.0	19.0	37.0	25.0	22.0	
SUM IRON & MANGANESE	1000	µ g/l	NA	52.0	77.0	54.0	45.0	0.0
NICKEL, TOTAL	2000	µ g/l	5.0	2.0	2.0	4.0	3.0	
ARSENIC, TOTAL	50	µ g/l	48.0	BDL	BDL	BDL	BDL	
ALUMINIUM, TOTAL	2000	µ g/l	40.0	16.0	BDL	BDL	17.0	
CHROMIUM, TOTAL	50	µ g/l	2.0	BDL	BDL	BDL	BDL	

**NASSAU COUNTY FIREMAN'S TRAINING CENTER
GROUNDWATER REMEDIATION FACILITY
MONTHLY EFFLUENT MONITORING REPORT
OUTFALL 001**

MAY 2006

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMPT MDL	WEEK 1 5/2/06	WEEK 2 05/09/06	WEEK 3 05/16/06	WEEK 4 05/23/06	WEEK 5
FLOW, DAILY AVG	MONITOR	GPD	NA	124713	315814	337200	335457	
FLOW, DAILY MAX	MONITOR	GPD	NA	343000	340000	345200	336400	
VINYL CHLORIDE	5	µ g/l	1.1	BDL	BDL	BDL	BDL	
1,1-DICHLOROETHANE	5	µ g/l	1.1	BDL	BDL	BDL	BDL	
1,2-(TRANS)-DICHLOROETHENE	5	µ g/l	1.1	BDL	BDL	BDL	BDL	
1,2-(CIS)-DICHLOROETHENE	5	µ g/l	1.0	BDL	BDL	BDL	BDL	
1,1,1-TRICHLOROETHANE	5	µ g/l	1.4	BDL	BDL	BDL	BDL	
TRICHLOROETHENE	10	µ g/l	1.7	BDL	BDL	BDL	BDL	
BENZENE	0.7	µ g/l	0.7	BDL	BDL	BDL	BDL	
TETRACHLOROETHENE	5	µ g/l	1.2	BDL	BDL	BDL	BDL	
TOLUENE	5	µ g/l	1.2	BDL	BDL	BDL	BDL	
m,p-XYLENE	5	µ g/l	2.4	BDL	BDL	BDL	BDL	
o-XYLENE	5	µ g/l	1.3	BDL	BDL	BDL	BDL	
1,1-DICHLOROETHENE	5	µ g/l	1.2	BDL	BDL	BDL	BDL	
METHYL ETHYL KEYTONE	50	µ g/l	10.0	BDL	BDL	BDL	BDL	
ACETONE	50	µ g/l	10.0	BDL	BDL	BDL	BDL	
CHLOROFORM	7	µ g/l	1.1	BDL	BDL	BDL	BDL	
DICHLOROBROMOMETHANE	50	µ g/l	0.9	BDL	BDL	BDL	BDL	
DIBROMOCHLOROMETHANE	50	µ g/l	0.7	BDL	BDL	BDL	BDL	
NAPHTHALENE	10	µ g/l	1.7	BDL	BDL	BDL	BDL	
TOTAL VOCs		µ g/l	0.0	0.0	0.0	0.0	0.0	0.0
PHENANTHRENE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	
FLUORENE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	
PYRENE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	
BIS(2-ETHYLHEXYL)PHTHALATE	4.3	µ g/l	1.0	BDL	BDL	BDL	BDL	
DI-N-OCTYL PHTHALATE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	
DIMETHYL PHTHALATE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	
DIETHYL PHTHALATE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	
IRON, TOTAL	600	µ g/l	2.0	86.0	29.0	31.0	22.0	
MANGANESE, TOTAL	600	µ g/l	1.0	41.0	21.0	28.0	20.0	
SUM IRON & MANGANESE	1000	µ g/l	NA	127.0	50.0	59.0	42.0	0.0
NICKEL, TOTAL	2000	µ g/l	5.0	BDL	2.0	2.0	2.0	
ARSENIC, TOTAL	50	µ g/l	48.0	BDL	BDL	BDL	BDL	
ALUMINUM, TOTAL	2000	µ g/l	40.0	5.0	3.0	18.0	BDL	
CHROMIUM, TOTAL	50	µ g/l	2.0	BDL	1.0	BDL	BDL	