



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

December 14, 2005

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 / September and October 2005
Nassau County Fireman's Training Center, Site #1-30-042

Gentlemen:

Attached is the September and October 2005 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 report, 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**

SEPTEMBER 2005

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMP'T MDL	WEEK 1 9/6/05	WEEK 2 09/13/05	WEEK 3 09/20/05	WEEK 4 09/27/05	WEEK 5
FLOW, DAILY AVG	MONITOR	GPD	NA	381814	379157	249771	454071	
FLOW, DAILY MAX	MONITOR	GPD	NA	385600	381100	382900	412343	
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-ETHLHEXYL)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	27.0	46.0	61.0	32.0	
MANGANESE, TOTAL	600	µ g/l	1.0	46.0	45.0	47.0	46.0	
SUM IRON & MANGANESE	1000	µ g/l	NA	73.0	91.0	108.0	78.0	0.0
NICKEL, TOTAL	2000	µ g/l	5.0	3.0	7.0	3.0	2.0	
ARSENIC, TOTAL	50	µ g/l	48.0	BDL	BDL	BDL	BDL	BDL
ALUMINUM, TOTAL	2000	µ g/l	40.0	BDL	20.0	4.0	BDL	
CHROMIUM, TOTAL	50	µ g/l	2.0	1.0	BDL	BDL	2.0	BDL

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

OCTOBER 2005

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMP'T MDL	WEEK 1 10/3/05	WEEK 2 10/10/05	WEEK 3 10/20/05	WEEK 4 10/24/05	WEEK 5
FLOW, DAILY AVG	MONITOR	GPD	NA	412657	413257	310867	399250	
FLOW, DAILY MAX	MONITOR	GPD	NA	418100	416400	408500	400767	
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-ETHLHEXYL)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	56.0	39.0	77.0	57.0	
MANGANESE, TOTAL	600	μ g/l	1.0	47.0	48.0	53.0	48.0	
SUM IRON & MANGANESE	1000	μ g/l	NA	103.0	87.0	130.0	105.0	0.0
NICKEL, TOTAL	2000	μ g/l	5.0	4.0	4.0	4.0	4.0	
ARSENIC, TOTAL	50	μ g/l	48.0	BDL	BDL	BDL	BDL	BDL
ALUMINUM, TOTAL	2000	μ g/l	40.0	10.0	BDL	BDL	27.0	
CHROMIUM, TOTAL	50	μ g/l	2.0	BDL	BDL	BDL	BDL	BDL