



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

September 2, 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: 2010 Monthly Effluent Monitoring Reports  
Nassau County Firemens Training Center, Site # 1-30-042

Ladies and Gentlemen:

Attached is the June 2010 Monthly Effluent Monitoring Report for the groundwater remediation at the Firemens Training Center site in Old Bethpage, 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,

Joseph L. Davenport, P.E.  
Chief Sanitary Engineer  
Unit Head, Water/Wastewater Engineering Unit

JLD:cs  
Attachment

c: Kenneth G. Arnold, P.E., Assistant to Commissioner  
William Spitz, Region 1, NYSDEC  
Joseph N. Walker, Assistant Superintendent of Water Supply  
Michael Flaherty, Hydrogeologist III

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

JUNE 2010

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMPT MDL	WEEK 1 6/1/10	WEEK 2 06/08/10	WEEK 3 06/15/10	WEEK 4 06/22/10	WEEK 5 06/29/10
FLOW, DAILY AVG	MONITOR	GPD	NA	673,171	666,400	674,257	671,014	381,829
FLOW, DAILY MAX	MONITOR	GPD	NA	677,900	674,900	678,400	680,200	670,900
1,1,1-TRICHLOROETHANE	5	µ g/l	1.4	BDL	BDL	BDL	BDL	BDL
1,1-DICHLOROETHANE	5	µ g/l	1.1	BDL	BDL	BDL	BDL	BDL
1,1-DICHLOROETHENE	5	µ g/l	1.2	BDL	BDL	BDL	BDL	BDL
1,2(CIS)-DICHLOROETHENE	5	µ g/l	1.0	BDL	BDL	BDL	BDL	BDL
1,2(TRANS)-DICHLOROETHENE	5	µ g/l	1.1	BDL	BDL	BDL	BDL	BDL
ACETONE	50	µ g/l	10.0	BDL	BDL	BDL	BDL	BDL
BENZENE	0.7	µ g/l	0.7	BDL	BDL	BDL	BDL	BDL
CHLOROFORM	7	µ g/l	1.1	BDL	BDL	BDL	BDL	BDL
DIBROMOCHLOROMETHANE	50	µ g/l	0.7	BDL	BDL	BDL	BDL	BDL
DICHLOROBROMOMETHANE	50	µ g/l	0.9	BDL	BDL	BDL	BDL	BDL
m,p-XYLENE	5	µ g/l	2.4	BDL	BDL	BDL	BDL	BDL
METHYL ETHYL KEYTONE	50	µ g/l	10.0	BDL	BDL	BDL	BDL	BDL
NAPHTHALENE	10	µ g/l	1.7	BDL	BDL	BDL	BDL	BDL
o-XYLENE	5	µ g/l	1.3	BDL	BDL	BDL	BDL	BDL
TETRACHLOROETHENE	5	µ g/l	1.2	BDL	BDL	BDL	BDL	BDL
TOLUENE	5	µ g/l	1.2	BDL	BDL	BDL	BDL	BDL
TRICHLOROETHENE	10	µ g/l	1.7	BDL	BDL	BDL	BDL	BDL
VINYL CHLORIDE	5	µ g/l	1.1	BDL	BDL	BDL	BDL	BDL
TOTAL VOCs		µ g/l						
BIS(2-ETHYLHEXYL)PHTHALATE	4.3	µ g/l	1.0	BDL	0.0	0.0	0.0	0.0
DIETHYL PHTHALATE	50	µ g/l	1.0	BDL	0.0	0.0	0.0	0.0
DIMETHYL PHTHALATE	50	µ g/l	1.0	BDL	0.0	0.0	0.0	0.0
DI-N-OCTYL PHTHALATE	50	µ g/l	1.0	BDL	0.0	0.0	0.0	0.0
FLUORENE	50	µ g/l	1.0	BDL	0.0	0.0	0.0	0.0
PHENANTHRENE	50	µ g/l	1.0	BDL	0.0	0.0	0.0	0.0
PYRENE	50	µ g/l	1.0	BDL	0.0	0.0	0.0	0.0
ALUMINUM, TOTAL	2000	µ g/l	40.0	7.7 J	9.4 J	39.8	10.9 J	BDL
ARSENIC, TOTAL	50	µ g/l	48.0	BDL	BDL	BDL	BDL	BDL
CHROMIUM, TOTAL	50	µ g/l	2.0	BDL	BDL	BDL	BDL	BDL
IRON, TOTAL	600	µ g/l	2.0	41.6	64.6	70.7	61.2	61.9
MANGANESE, TOTAL	600	µ g/l	1.0	108.0	114.0	117.0	117.0	119.0
NICKEL, TOTAL	2000	µ g/l	5.0	BDL	BDL	BDL	5.2 J	BDL
SUM IRON & MANGANESE	1000	µ g/l	NA	149.6	178.6	187.7	178.2	180.9

J - Analyte detected below Quantitation limits