

THOMAS R. SUOZZI
COUNTY EXECUTIVE

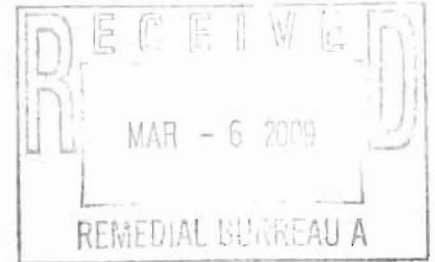


RAYMOND A. RIBEIRO, P.E.
COMMISSIONER

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

February 27, 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: 2008 Monthly Effluent Monitoring Reports
Nassau County Fireman's Training Center, Site #1-30-042

Ladies and Gentlemen:

Attached are the October through December 2008 Monthly Effluent Monitoring Reports for the groundwater remediation at the Fireman's Training Center site in Old Bethpage, 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

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February 23, 2009

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Unit Head, Water/Wastewater Engineering Unit

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Joseph N. Walker, Assistant Superintendent of Water Supply

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

OCTOBER 2008

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMPT MDL	WEEK 1 10/7/08	WEEK 2 10/14/08	WEEK 3 10/21/08	WEEK 4 10/28/08
FLOW, DAILY AVG	MONITOR	GPD	NA	982,486	971,314	856,857	969,386
FLOW, DAILY MAX	MONITOR	GPD	NA	993,633	979,300	969,600	980,700
1,1,1-TRICHLOROETHANE	5	μ g/l	1.4	BDL	BDL	BDL	BDL
1,1-DICHLOROETHANE	5	μ g/l	1.1	BDL	BDL	BDL	BDL
1,1-DICHLOROETHENE	5	μ g/l	1.2	BDL	BDL	BDL	BDL
1,2(CIS)-DICHLOROETHENE	5	μ g/l	1.0	BDL	BDL	BDL	BDL
1,2(TRANS)-DICHLOROETHENE	5	μ g/l	1.1	BDL	BDL	BDL	BDL
ACETONE	50	μ g/l	10.0	BDL	BDL	BDL	BDL
BENZENE	0.7	μ g/l	0.7	BDL	BDL	BDL	BDL
CHLOROFORM	7	μ g/l	1.1	BDL	BDL	BDL	BDL
DIBROMOCHLOROMETHANE	50	μ g/l	0.7	BDL	BDL	BDL	BDL
DICHLOROBROMOMETHANE	50	μ g/l	0.9	BDL	BDL	BDL	BDL
m,p-XYLENE	5	μ g/l	2.4	BDL	BDL	BDL	BDL
METHYL ETHYL KEYTONE	50	μ g/l	10.0	BDL	BDL	BDL	BDL
NAPHTHALENE	10	μ g/l	1.7	BDL	BDL	BDL	BDL
o-XYLENE	5	μ g/l	1.3	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
TRICHLOROETHENE	10	μ g/l	1.7	BDL	BDL	BDL	BDL
VINYL CHLORIDE	5	μ g/l	1.1	BDL	BDL	BDL	BDL
TOTAL VOCs		μ g/l	0.0	0.0	0.0	0.0	0.0
BIS(2-ETHLHEXYL)PHTHALATE	4.3	μ g/l	1.0	BDL	BDL	BDL	BDL
DIETHYL PHTHALATE	50	μ g/l	1.0	BDL	BDL	BDL	BDL
DIMETHYL PHTHALATE	50	μ g/l	1.0	BDL	BDL	BDL	BDL
DI-N-OCTYL PHTHALATE	50	μ g/l	1.0	BDL	BDL	BDL	BDL
FLUORENE	50	μ g/l	1.0	BDL	BDL	BDL	BDL
PHENANTHRENE	50	μ g/l	1.0	BDL	BDL	BDL	BDL
PYRENE	50	μ g/l	1.0	BDL	BDL	BDL	BDL
ALUMINUM, TOTAL	2000	μ g/l	40.0	BDL	7.26 J	BDL	9.42 J
ARSENIC, TOTAL	50	μ g/l	48.0	BDL	BDL	BDL	BDL
CHROMIUM, TOTAL	50	μ g/l	2.0	BDL	BDL	BDL	BDL
IRON, TOTAL	600	μ g/l	2.0	49.0	44.2	75.3	40.7
MANGANESE, TOTAL	600	μ g/l	1.0	396.0	409.0	411.0	395.0
NICKEL, TOTAL	2000	μ g/l	5.0	BDL	BDL	BDL	BDL
SUM IRON & MANGANESE	1000	μ g/l	NA	445.0	453.2	486.3	435.7

J - Analyte detected below quantitation limits

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

NOVEMBER 2008

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMP'T MDL	WEEK 1 11/3/08	WEEK 2 11/10/08	WEEK 3 11/18/08	WEEK 4 11/25/08
FLOW, DAILY AVG	MONITOR	GPD	NA	970,767	961,171	952,613	936,927
FLOW, DAILY MAX	MONITOR	GPD	NA	976,233	970,100	963,850	946,800
1,1,1-TRICHLOROETHANE	5	µ g/l	1.4	BDL	BDL	BDL	BDL
1,1-DICHLOROETHANE	5	µ g/l	1.1	BDL	BDL	BDL	BDL
1,1-DICHLOROETHENE	5	µ g/l	1.2	BDL	BDL	BDL	BDL
1,2(CIS)-DICHLOROETHENE	5	µ g/l	1.0	BDL	BDL	BDL	BDL
1,2(TRANS)-DICHLOROETHENE	5	µ g/l	1.1	BDL	BDL	BDL	BDL
ACETONE	50	µ g/l	10.0	BDL	BDL	BDL	BDL
BENZENE	0.7	µ g/l	0.7	BDL	BDL	BDL	BDL
CHLOROFORM	7	µ g/l	1.1	BDL	BDL	BDL	BDL
DIBROMOCHLOROMETHANE	50	µ g/l	0.7	BDL	BDL	BDL	BDL
DICHLOROBROMOMETHANE	50	µ g/l	0.9	BDL	BDL	BDL	BDL
m,p-XYLENE	5	µ g/l	2.4	BDL	BDL	BDL	BDL
METHYL ETHYL KEYTONE	50	µ g/l	10.0	BDL	BDL	BDL	BDL
NAPHTHALENE	10	µ g/l	1.7	BDL	BDL	BDL	BDL
o-XYLENE	5	µ g/l	1.3	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
TRICHLOROETHENE	10	µ g/l	1.7	BDL	BDL	BDL	BDL
VINYL CHLORIDE	5	µ g/l	1.1	BDL	BDL	BDL	BDL
TOTAL VOCs		µ g/l	0.0	0.0	0.0	0.0	0.0
BIS(2-ETHLHEXYL)PHTHALATE	4.3	µ g/l	1.0	BDL	BDL	BDL	BDL
DIETHYL PHTHALATE	50	µ g/l	1.0	BDL	BDL	BDL	0.86 J
DIMETHYL PHTHALATE	50	µ g/l	1.0	BDL	BDL	BDL	BDL
DI-N-OCTYL PHTHALATE	50	µ g/l	1.0	BDL	BDL	BDL	BDL
FLUORENE	50	µ g/l	1.0	BDL	BDL	BDL	BDL
PHENANTHRENE	50	µ g/l	1.0	BDL	BDL	BDL	BDL
PYRENE	50	µ g/l	1.0	BDL	BDL	BDL	BDL
ALUMINUM, TOTAL	2000	µ g/l	40.0	8.15 J	23.0 J	BDL	6.0 J
ARSENIC, TOTAL	50	µ g/l	48.0	BDL	BDL	BDL	BDL
CHROMIUM, TOTAL	50	µ g/l	2.0	BDL	BDL	BDL	BDL
IRON, TOTAL	600	µ g/l	2.0	76.9	64.7	40.9	51.0
MANGANESE, TOTAL	600	µ g/l	1.0	391.0	378.0	348.0	313.0
NICKEL, TOTAL	2000	µ g/l	5.0	7.22 J	7.13 J	BDL	6.0 J
SUM IRON & MANGANESE	1000	µ g/l	NA	467.9	442.7	388.9	364.0

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

DECEMBER 2008

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMPT MDL	WEEK 1 12/2/08	WEEK 2 12/09/08	WEEK 3 12/16/08	WEEK 4 12/23/08	WEEK 5 12/30/08
FLOW, DAILY AVG	MONITOR	GPD	NA	914,929	908,853	910,006	912,878	913,449
FLOW, DAILY MAX	MONITOR	GPD	NA	921,700	916,892	912,692	918,192	925,092
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	0.0	0.0	0.0	0.0	0.0	0.0
BIS(2-ETHLHEXYL)PHTHALATE	4.3	µ g/l	1.0	BDL	BDL	BDL	BDL	BDL
DIETHYL PHTHALATE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	BDL
DIMETHYL PHTHALATE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	BDL
DI-N-OCTYL PHTHALATE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	BDL
FLUORENE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	BDL
PHENANTHRENE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	BDL
PYRENE	50	µ g/l	1.0	BDL	BDL	BDL	BDL	BDL
ALUMINUM, TOTAL	2000	µ g/l	40.0	15.9 J	9.97 J	7.2 J	BDL	8.83 J
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	47.6	56	61.5	67.4	189
MANGANESE, TOTAL	600	µ g/l	1.0	300	276	257	251	217
NICKEL, TOTAL	2000	µ g/l	5.0	BDL	6.3 J	6.38 J	7.8 J	BDL
SUM IRON & MANGANESE	1000	µ g/l	NA	347.60	332.00	318.50	318.40	406.00

J - Analyte detected below quantitation limits