

EDWARD P. MANGANO  
COUNTY EXECUTIVE



SHILA SHAH-GAVNOUDIAS, P.E.  
ACTING COMMISSIONER

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

January 21, 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: 2009 Monthly Effluent Monitoring Reports  
Nassau County Firemen's Training Center, Site #1-30-042

Ladies and Gentlemen:

Attached is the December 2009 Monthly Effluent Monitoring Report for the groundwater remediation at the Firemen's 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.  
Unit Head, Water/Wastewater Engineering Unit

JLD:KGA:MF:cs  
Attachment

c: Kenneth G. Arnold, Sanitary Engineer IV  
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

DECEMBER 2009

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMPT MDL	WEEK 1 12/1/09	WEEK 2 12/08/09	WEEK 3 12/15/09	WEEK 4 12/22/09	WEEK 5 12/29/09
FLOW, DAILY AVG	MONITOR	GPD	NA	652,114	637,243	651,957	876,434	918,114
FLOW, DAILY MAX	MONITOR	GPD	NA	654,300	663,300	678,600	922,860	924,150
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-DICHLOROETHANE	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	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	11.4 J	7.5 J	11.2 J	6.6 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	46.3	61.8	82.4	163.0	129.0
MANGANESE, TOTAL	600	µ g/l	1.0	140.0	129.0	174.0	925.0	847.0
NICKEL, TOTAL	2000	µ g/l	5.0	5.7 J	6.2 J	5.7 J	6.6 J	BDL
SUM IRON & MANGANESE	1000	µ g/l	NA	186.3	190.8	256.4	1,088.0	976.0

J - Analyte detected below Quantitation limits

EDWARD P. MANGANO  
COUNTY EXECUTIVE



SHILA SHAH-GAVNOUDIAS, P.E.  
ACTING COMMISSIONER

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

January 21, 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: 2009 Monthly Effluent Monitoring Reports  
Nassau County Firemen's Training Center, Site #1-30-042

Ladies and Gentlemen:

Attached is the November 2009 Monthly Effluent Monitoring Report for the groundwater remediation at the Firemen's 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.  
Unit Head, Water/Wastewater Engineering Unit

JLD:KGA:MF:cs  
Attachment

c: Kenneth G. Arnold, Sanitary Engineer IV  
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**

**NOVEMBER 2009**

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMPT MDL	WEEK 1	WEEK 2	WEEK 3	WEEK 4
				11/2/09	11/10/09	11/17/09	11/24/09
FLOW, DAILY AVG	MONITOR	GPD	NA	828,183	821,688	736,250	695,900
FLOW, DAILY MAX	MONITOR	GPD	NA	834,567	824,650	814,650	801,300
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					
BIS(2-ETHYLHEXYL)PHTHALATE	4.3	µ g/l	1.0	BDL	BDL	5.9	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	69.0	12.9	26.0	2,820.0
ARSENIC, TOTAL	50	µ g/l	48.0	BDL	BDL	BDL	BDL
CHROMIUM, TOTAL	50	µ g/l	2.0	BDL	BDL	BDL	101.0
IRON, TOTAL	600	µ g/l	2.0	145.0	185.0	113.0	5,090.0
MANGANESE, TOTAL	600	µ g/l	1.0	210.0	207.0	186.0	810.0
NICKEL, TOTAL	2000	µ g/l	5.0	6.9	5.6	5.7	45.9
SUM IRON & MANGANESE	1000	µ g/l	NA	355.0	392.0	299.0	5,900.0

J - Analyte detected below Quantitation limits

EDWARD P. MANGANO  
COUNTY EXECUTIVE



SHILA SHAH-GAVNOUDIAS, P.E.  
ACTING COMMISSIONER

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

January 21, 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: 2009 Monthly Effluent Monitoring Reports  
Nassau County Firemen's Training Center, Site #1-30-042

Ladies and Gentlemen:

Attached is the October 2009 Monthly Effluent Monitoring Report for the groundwater remediation at the Firemen's 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.  
Unit Head, Water/Wastewater Engineering Unit

JLD:KGA:MF:cs  
Attachment

c: Kenneth G. Arnold, Sanitary Engineer IV  
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

OCTOBER 2009

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMPT MDL	WEEK 1 10/6/09	WEEK 2 10/13/09	WEEK 3 10/20/09	WEEK 4 10/27/09
FLOW, DAILY AVG	MONITOR	GPD	NA	881,100	883,194	870,929	821,029
FLOW, DAILY MAX	MONITOR	GPD	NA	884,600	896,500	881,800	831,800
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					
BIS(2-ETHYLHEXYL)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	56.6	BDL	8.9 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	206.0	161.0	70.2	77.2
MANGANESE, TOTAL	600	µ g/l	1.0	221.0	210.0	258.0	275.0
NICKEL, TOTAL	2000	µ g/l	5.0	7.0 J	BDL	6.0 J	8.0 J
SUM IRON & MANGANESE	1000	µ g/l	NA	427.0	371.0	328.2	352.2

J - Analyte detected below Quantitation limits

EDWARD P. MANGANO  
COUNTY EXECUTIVE



SHILA SHAH-GAVNOUDIAS, P.E.  
ACTING COMMISSIONER

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

January 21, 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: 2009 Monthly Effluent Monitoring Reports  
Nassau County Firemen's Training Center, Site #1-30-042

Ladies and Gentlemen:

Attached is the September 2009 Monthly Effluent Monitoring Report for the groundwater remediation at the Firemen's 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.  
Unit Head, Water/Wastewater Engineering Unit

JLD:KGA:MF:cs  
Attachment

c: Kenneth G. Arnold, Sanitary Engineer IV  
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**

**SEPTEMBER 2009**

EFFLUENT PARAMETER	DISCHARGE LIMITATIONS	UNITS	COMPT MDL	WEEK 1 9/1/09	WEEK 2 09/08/09	WEEK 3 09/15/09	WEEK 4 09/22/09	WEEK 5 09/29/09
FLOW, DAILY AVG	MONITOR	GPD	NA	892,771	884,057	879,686	877,543	881,971
FLOW, DAILY MAX	MONITOR	GPD	NA	899,200	894,700	884,300	885,700	891,100
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	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	30.1	67.3	19.9	BDL	12.7
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	186.0	683.0	423.0	46.9	102.0
MANGANESE, TOTAL	600	µ g/l	1.0	183.0	236.0	205.0	242.0	211.0
NICKEL, TOTAL	2000	µ g/l	5.0	6.0	13.3	6.0	6.2	5.4
SUM IRON & MANGANESE	1000	µ g/l	NA	369.0	919.0	628.0	288.9	313.0

J - Analyte detected below Quantitation limits