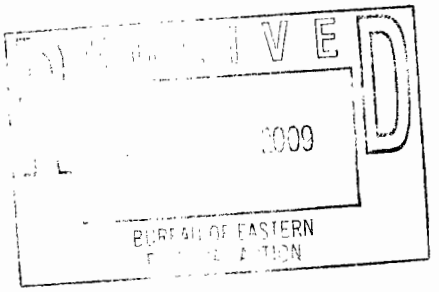
THOMAS R. SUOZZI
COUNTY EXECUTIVE

RAYMOND A. RIBEIRO, P.E.
COMMISSIONER

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

July 16, 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: Monthly Effluent Monitoring Reports 2009
Nassau County Mitchel Field Remedial Action
(AKA Purex), Site #1-30-014

Ladies and Gentlemen:

Attached is the June 2009 Monthly Effluent Monitoring Report for the groundwater remediation at the Purex Mitchel Field Remedial Action in Garden City, New York.

If you have any questions concerning the monthly monitoring reports, please contact Mr. Michael Flaherty, Hydrogeologist III, at (516) 571-6988.

Very truly yours,

Kenneth G. Arnold, P.E.
Chief Sanitary Engineer
Unit Head, Water/Wastewater Engineering Unit

KGA:JNW:cs
Attachment

c: Joseph L. Davenport, Deputy Commissioner of Public Works
William Spitz, Region 1, NYSDEC
Joseph N. Walker, Assistant Superintendent of Water Supply

**NASSAU COUNTY MITCHEL FIELD REMEDIAL ACTION** **JUNE 2009**

**MONTHLY EFFLUENT MONITORING REPORT** **OUTFALL 001G**

| EFFLUENT PARAMETER | DISCHARGE LIMITATIONS | UNITS | COMP'T MDL | WEEK 1 6/1/2009 | WEEK 2 6/8/2009 | WEEK 3 6/15/2009 | WEEK 4 6/22/2009 | WEEK 5 6/29/2009 |
|---|---|---|---|---|---|---|---|---|
| FLOW, DAILY MAX | MONITOR | GPD | NA | 719,900 | 728,100 | 704,467 | 704,200 | 663,900 |
| pH | 6.5-8.5 | su | | 7.44 H | 7.31 H | 7.63 H | 7.54 H | 7.32 H |
| TOTAL AGG CONC #1 | 4.7 | µ g/l | | | | | | |
| TOTAL AGG CONC #2 | 2 | µ g/l | | | | | | |
| TOTAL AGG CONC #3 | 50 | µ g/l | | | | | | |
| DICHLOROBROMOMETHANE | 50 | µ g/l | 0.9 | BDL | BDL | BDL | BDL | BDL |
| CARBON TETRACHLORIDE | 5 | µ g/l | 1.3 | BDL | BDL | BDL | BDL | BDL |
| BROMOFORM | 50 | µ g/l | 0.7 | BDL | BDL | BDL | BDL | BDL |
| DIBROMOCHLOROMETHANE | 50 | µ g/l | 0.7 | BDL | BDL | BDL | BDL | BDL |
| CHLOROFORM | 0.2 | µ g/l | 1.1 | BDL | BDL | BDL | BDL | BDL |
| TOLUENE | 5 | µ g/l | 1.2 | BDL | BDL | BDL | BDL | BDL |
| BENZENE | 0.7 | µ g/l | 0.7 | BDL | BDL | BDL | BDL | BDL |
| CHLOROBENZENE | 5 | µ g/l | 1.2 | BDL | BDL | BDL | BDL | BDL |
| ETHYLBENZENE | 5 | µ g/l | 1.2 | BDL | BDL | BDL | BDL | BDL |
| METHYLENE CHLORIDE | 5 | µ g/l | 1 | BDL | 12 B | 4.6 B | 9.0 BC | 8.6 BC |
| TETRACHLOROETHENE | 0.5 | µ g/l | 1.2 | BDL | BDL | BDL | BDL | BDL |
| TRICHLOROFLUOROMETHANE | 5 | µ g/l | 1.2 | BDL | BDL | BDL | BDL | BDL |
| 1,1-DICHLOROETHANE | 5 | µ g/l | 1.1 | BDL | BDL | BDL | BDL | BDL |
| 1,1-DICHLOROETHENE | 0.9 | µ g/l | 1.2 | BDL | BDL | BDL | BDL | BDL |
| 1,1,1-TRICHLOROETHANE | 5 | µ g/l | 1.4 | BDL | BDL | BDL | BDL | BDL |
| 1,1,2-TRICHLOROETHANE | 0.5 | µ g/l | 0.9 | BDL | BDL | BDL | BDL | BDL |
| 1,1,2,2 TETRACHLOROETHANE | 0.3 | µ g/l | 1 | BDL | BDL | BDL | BDL | BDL |
| 1,2-DICHLOROETHANE | 1 | µ g/l | 0.8 | BDL | BDL | BDL | BDL | BDL |
| 1,2 DICHLOROBENZENE | 4.7 | µ g/l | 0.9 | BDL | BDL | BDL | BDL | BDL |
| 1,2 DICHLOROPROPANE | 5 | µ g/l | 1 | BDL | BDL | BDL | BDL | BDL |
| 1,2(TRANS)-DICHLOROETHENE | 2 | µ g/l | 1.1 | BDL | BDL | BDL | BDL | BDL |
| 1,3 DICHLOROBENZENE | 5 | µ g/l | 1.1 | BDL | BDL | BDL | BDL | BDL |
| 1,4 DICHLOROBENZENE | 4.7 | µ g/l | 1 | BDL | BDL | BDL | BDL | BDL |
| TRANS 1,3 DICHLOROPROPENE | 2 | µ g/l | 0.9 | BDL | BDL | BDL | BDL | BDL |
| CIS 1,3 DICHLOROPROPENE | 2 | µ g/l | 0.9 | BDL | BDL | BDL | BDL | BDL |
| m,p-XYLENE | 5 | µ g/l | 2.4 | BDL | BDL | BDL | BDL | BDL |
| BROMOMETHANE | 5 | µ g/l | 2.4 | BDL | BDL | BDL | BDL | BDL |
| VINYL CHLORIDE | 5 | µ g/l | 1.1 | BDL | BDL | BDL | BDL | BDL |
| TRICHLOROETHENE | 10 | µ g/l | 0.6 | BDL | BDL | BDL | BDL | BDL |
| 1,2(CIS)-DICHLOROETHENE | 5 | µ g/l | 0.7 | BDL | BDL | BDL | BDL | BDL |
| 1,1,2 TRICHLORO 1,2,2 TRIFLUOROETHANE | 5 | µ g/l | | BDL | BDL | BDL | BDL | BDL |
| o-XYLENE | 5 | µ g/l | 1.3 | BDL | BDL | BDL | BDL | BDL |
| CHLOROETHANE | 5 | µ g/l | 1.6 | BDL | BDL | BDL | BDL | BDL |
| TOTAL VOCs | 100 | µ g/l | | | 12 B | 4.6 B | 9.0 BC | 8.6 BC |

B - Analyte detected in the associated Method Blank

C -Calibration %RSD/%D exceeded for non-CCC analytes