THOMAS R. SUOZZI
COUNTY EXECUTIVE

PETER J. GERBASI, P.E.
COMMISSIONER

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



May 11, 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 / March 2005
Nassau County Mitchel Field Remedial Action
(AKA Purex), Site #1-30-014

Gentlemen:

Attached is the Monthly Effluent Monitoring Report for March 2005 for the groundwater remediation for the Purex Mitchel Field Remedial Action in Garden City, New York.

The effluent discharge criterion for tetrachloroethene was exceeded once during the third week of March. Sample results from the fourth week of March indicate that the discharge criteria for tetrachloroethene and all other parameters were not exceeded.

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
Attachment

c: Joseph L. Davenport, Deputy Commissioner
Kenneth G. Arnold, Sanitary Engineer IV
William Spitz, Region 1, NYSDEC

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**NASSAU COUNTY MITCHEL FIELD REMEDIAL ACTION**
**MONTHLY EFFLUENT MONITORING REPORT**

**MARCH 2005**
**OUTFALL 001G**

| EFFLUENT PARAMETER | DISCHARGE LIMITATIONS | UNITS | COMP'T MDL | WEEK 1 03/07/05 | WEEK 2 03/14/05 | WEEK 3 03/21/05 | WEEK 4 03/28/05 | WEEK 5 |
|---|---|---|---|---|---|---|---|---|
| FLOW, DAILY MAX | MONITOR | GPD | NA | | | | | |
| pH | 6.5-8.5 | su | | 7.06 | 7.04 | 6.91 | 7.03 | |
| TOTAL AGG CONC #1 | 4.7 | µ g/l | | 0 | 0 | 0 | 0 | 0 |
| TOTAL AGG CONC #2 | 2 | µ g/l | | 0 | 0 | 0 | 0 | |
| TOTAL AGG CONC #3 | 50 | µ g/l | | 0 | 0 | 0 | 0 | |
| DICHLOROBROMOMETHANE | 50 | µ g/l | 0.9 | BDL | BDL | BDL | BDL | |
| CARBON TETRACHLORIDE | 5 | µ g/l | 1.3 | BDL | BDL | BDL | BDL | |
| BROMOFORM | 50 | µ g/l | 0.7 | BDL | BDL | BDL | BDL | |
| DIBROMOCHLOROMETHANE | 50 | µ g/l | 0.7 | BDL | BDL | BDL | BDL | |
| CHLOROFORM | 0.2 | µ g/l | 1.1 | BDL | BDL | BDL | BDL | |
| TOLUENE | 5 | µ g/l | 1.2 | BDL | BDL | BDL | BDL | |
| BENZENE | 0.7 | µ g/l | 0.7 | BDL | BDL | BDL | BDL | |
| CHLOROBENZENE | 5 | µ g/l | 1.2 | BDL | BDL | BDL | BDL | |
| ETHYLBENZENE | 5 | µ g/l | 1.2 | BDL | BDL | BDL | BDL | |
| METHYL CHLORIDE | 5 | µ g/l | 1.0 | BDL | BDL | BDL | BDL | |
| TETRACHLOROETHENE | 0.5 | µ g/l | 1.2 | BDL | BDL | 2.1 | BDL | |
| TRICHLOROFLUOROMETHANE | 5 | µ g/l | 1.2 | BDL | BDL | BDL | BDL | |
| 1,1-DICHLOROETHANE | 5 | µ g/l | 1.1 | BDL | BDL | BDL | BDL | |
| 1,1-DICHLOROETHENE | 0.9 | µ g/l | 1.2 | BDL | BDL | BDL | BDL | |
| 1,1,1-TRICHLOROETHANE | 5 | µ g/l | 1.4 | BDL | BDL | BDL | BDL | |
| 1,1,2-TRICHLOROETHANE | 0.5 | µ g/l | 0.9 | BDL | BDL | BDL | BDL | |
| 1,1,2,2 TETRACHLOROETHANE | 0.3 | µ g/l | 1.0 | BDL | BDL | BDL | BDL | |
| 1,2-DICHLOROETHANE | 1 | µ g/l | 0.8 | BDL | BDL | BDL | BDL | |
| 1,2 DICHLOROBENZENE | 4.7 | µ g/l | 0.9 | BDL | BDL | BDL | BDL | |
| 1,2 DICHLOROPROPANE | 5 | µ g/l | 1.0 | BDL | BDL | BDL | BDL | |
| 1,2(TRANS)-DICHLOROETHENE | 2 | µ g/l | 1.1 | BDL | BDL | BDL | BDL | |
| 1,3 DICHLOROBENZENE | 5 | µ g/l | 1.1 | BDL | BDL | BDL | BDL | |
| 1,4 DICHLOROBENZENE | 4.7 | µ g/l | 1.0 | BDL | BDL | BDL | BDL | |
| TRANS 1,3 DICHLOROPROPENE | 2 | µ g/l | 0.9 | BDL | BDL | BDL | BDL | |
| CIS 1,3 DICHLOROPROPENE | 2 | µ g/l | 0.9 | BDL | BDL | BDL | BDL | |
| m,p-XYLENE | 5 | µ g/l | 2.4 | BDL | BDL | BDL | BDL | |
| BROMOMETHANE | 5 | µ g/l | 2.4 | BDL | BDL | BDL | BDL | |
| VINYL CHLORIDE | 5 | µ g/l | 1.1 | BDL | BDL | BDL | BDL | |
| TRICHLOROETHENE | 10 | µ g/l | 0.6 | BDL | BDL | BDL | BDL | |
| 1,2(CIS)-DICHLOROETHENE | 5 | µ g/l | 0.7 | BDL | BDL | 2.5 | BDL | |
| 1,1,2 TRICHLORO 1,2,2 TRIFLUOROETHANE | 5 | µ g/l | | BDL | BDL | BDL | BDL | |
| o-XYLENE | 5 | µ g/l | 1.3 | BDL | BDL | BDL | BDL | |
| CHLOROETHANE | 5 | µ g/l | 1.6 | BDL | BDL | BDL | BDL | |
| TOTAL VOCs | 100 | µ g/l | 0.0 | 0.0 | 0.0 | 4.6 | 0.0 | 0.0 |