

EDWARD P. MANGANO
COUNTY EXECUTIVE

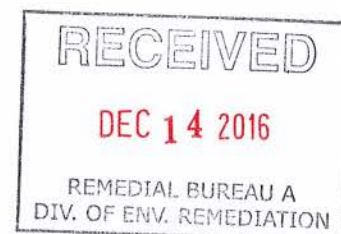


SHILA SHAH-GAVNOUDIAS, P.E.
COMMISSIONER

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

December 2, 2016

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Hazardous Site Control
625 Broadway
Albany, New York 12233



Att: Ms. Cynthia Whitfield, P.E., Project Manager

Re: Purex Site @ Mitchel Field (Site # 130014)
Semi - Annual Results / revised groundwater monitoring program – 2016

To Whom It May Concern:

The Department would like to update your office on groundwater conditions at the former Purex site. Please find enclosed an updated well location map and the results of the New York State Department of Environmental Conservation (NYSDEC) Approved - Revised Semi-Annual Sampling Program. The results are consistent with those previously reported for the site, where groundwater collected from the seven (7) "plume core" wells is below the **Water Condition** specified in the **Consent Decree** for Total Volatile Organic Compounds (TVOC) and all individual compounds listed for the site.

If you require any additional information regarding these data please contact Michael Flaherty, Hydrogeologist III at (516) 571-7514.

Very truly yours,

Shila Shah-Gavnoudias, P.E.
Commissioner of Public Works

SSG:KGA:JLD:rp
Attachment

c: Kenneth G. Arnold, Assistant to Commissioner of Public Works
Joseph L. Davenport, Unit Head, Water/Wastewater Engineering Unit
Joseph Defranco, Chief, Office of Soil and Groundwater Remediation, NCDH
Michael Flaherty, Hydrogeologist III
Walter J. Parish, Regional Hazardous Waste Engineer, NYSDEC

PUREX SITE - Revised Sampling Program (PLUME CORE)
 CLEANUP CRITERIA (Groundwater Condition) vs. VOC's 2016

VOLATILE ORGANICS COMPOUNDS (ppb)

Purex Cleanup Criteria (ppb)	WELL W-305		WELL W-405		WELL W-369		WELL W-370		WELL W-381		WELL W-372		WELL W-363	
	DATE SAMPLED		DATE SAMPLED		DATE SAMPLED		DATE SAMPLED		DATE SAMPLED		DATE SAMPLED		DATE SAMPLED	
	5/9/16	11/1/16	5/9/16	11/1/16	4/27/16	10/31/16	4/27/16	10/31/16	5/11/16	11/10/16	5/10/16	10/31/16	5/10/16	11/2/16
1,1,1,2-Tetrachloroethane	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloro-1,1,2-trifluoroethane	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	50	BDL	BDL	BDL	BDL	BDL	2.9	BDL	BDL	BDL	BDL	1.7	BDL	BDL
1,1-Dichloroethene	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	100*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon Tetrachloride	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	100*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	50	BDL	5.6	BDL	BDL	BDL	3.5	BDL	BDL	BDL	19	27	BDL	BDL
Dibromochloromethane	100*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethyl Benzene	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
m,p-Xylene	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
t-1,2 Dichloroethylene	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	50	BDL	34.3	BDL	2	10	5.1	BDL	1.5	BDL	5.2	4.5	BDL	BDL
Toluene	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethylene	50	BDL	4.4	BDL	BDL	8.8	9.9	BDL	2	BDL	7.2	8.7	BDL	BDL
Vinyl Chloride	5	BDL	BDL	BDL	BDL	BDL	2	BDL	1.4	BDL	BDL	3.5	BDL	BDL
TVOC	100	0.0	44.3	0.0	2.0	18.8	23.4	0.0	4.9	0.0	0.0	31.4	45.4	0.0

BDL - Below detection limits

B - Analyte detected in associated Method Blank

All results in ppb

* - Sum of these four compounds shall not exceed 100 ppb.

 - Compound detected at conc. **above** cleanup criteria

