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

November 9, 2015

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 – October 2015

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 Fall 2015 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 are 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 Mr. 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 w/encl.
Joseph Defranco, Chief, Office of Soil and Groundwater Remediation, NCDH
Michael Flaherty, Hydrogeologist III
Walter J. Parish, Regional Hazardous Waste Engineer, NYSDEC

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PUREX SITE - Revised Sampling Program (PLUME CORE)

CLEANUP CRITERIA (Groundwater Condition) vs. VOC's 2015

VOLATILE ORGANICS COMPOUNDS (ppb)

	Purex Cleanup Criteria	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	
	(ppb)	4/27/15	10/20/15	4/27/15	10/20/15	4/17/15	10/19/15	4/17/15	10/19/15	5/7/15	10/28/15	4/23/15	10/19/15	5/4/15	10/21/15
1,1,1,2-Tetrachloroethane	50	BDL	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	BDL
1,1,2-Trichloro-1,1,2-trifluoroethane	50	BDL	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	BDL
1,1-Dichloroethane	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethene	5	BDL	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	BDL
1,4-Dichlorobenzene	50	BDL	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	BDL
Bromodichloromethane	100*	BDL	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	BDL
Carbon Tetrachloride	50	BDL	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	BDL
Chloroform	100*	BDL	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	BDL
cis-1,2-Dichloroethylene	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**20**	**14**	BDL	BDL
Dibromochloromethane	100*	BDL	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	BDL
m,p-Xylene	50	BDL	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	BDL
o-Xylene	50	BDL	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	BDL
t-1,2 Dichloroethylene	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	50	**15**	**16**	BDL	BDL	**6.6**	**5.9**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethylene	50	BDL	BDL	BDL	BDL	**10**	**12**	BDL	BDL	BDL	BDL	**6.8**	**6.5**	BDL	BDL
Vinyl Chloride	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
TVOC	100	**15.0**	**16.0**	0.0	0.0	**16.6**	**17.9**	0.0	0.0	0.0	0.0	**26.8**	**20.5**	0.0	0.0

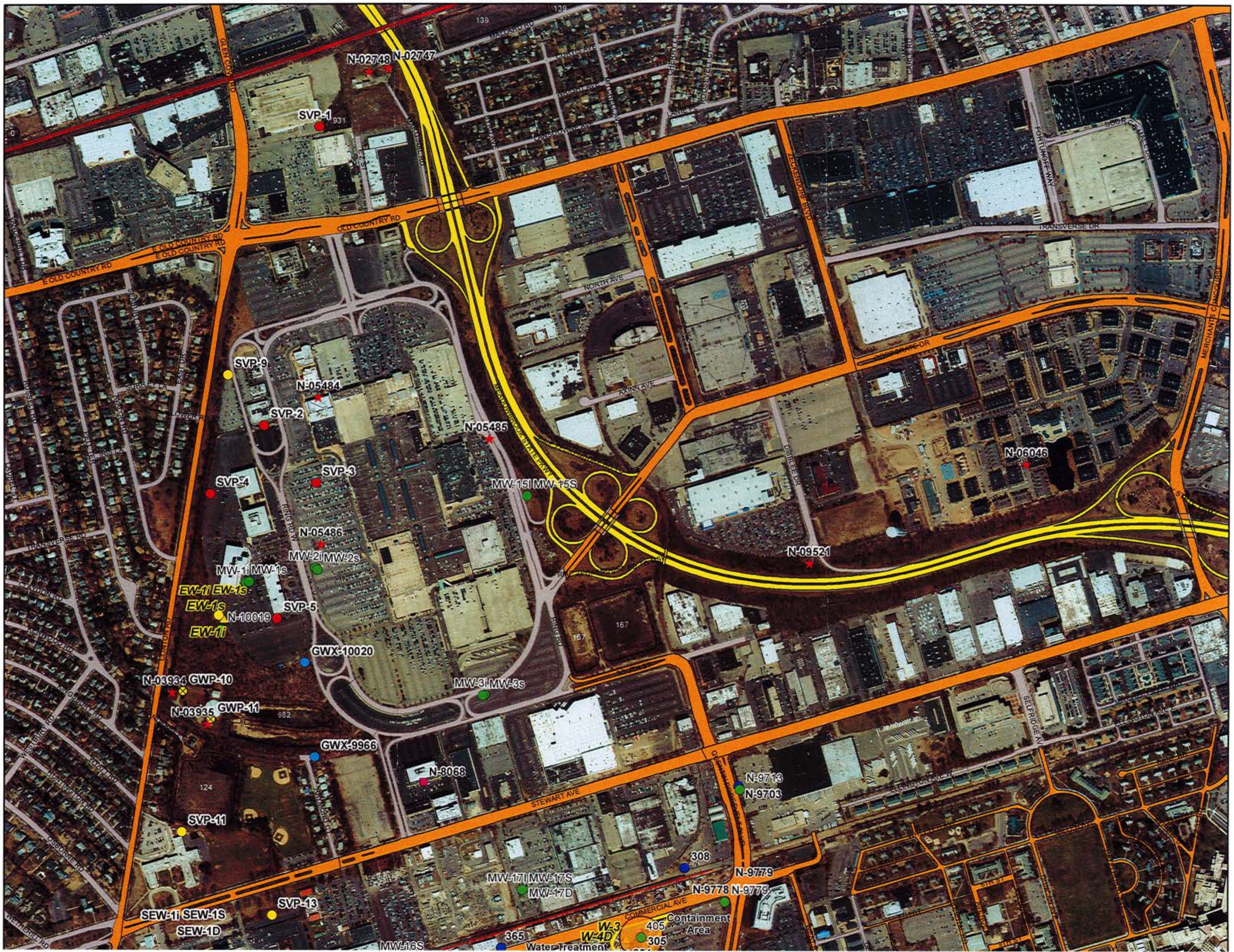
BDL - Below detection limits

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


N-02748
N-02747
SVP-1
OLD COUNTRY RD
E OLD COUNTRY RD
TRANSVERSE DR
NORTH AVE
CORPORATE DR
AXINN AVE
SVP-9
N-05484
SVP-2
N-05485
SVP-4
SVP-3
MW-15I MW-15S
N-06046
N-05486
MW-2i MW-2s
MW-1i MW-1s
EW-1i EW-1s
EW-1s
N-10019
SVP-5
EW-1i
N-09521
GWX-10020
N-03934 GWP-10
N-03935 GWP-11
MW-3i MW-3s
GWX-9966
N-8068
N-9713
N-9703
STEWART AVE
SVP-11
308
N-9779
MW-17I MW-17S
MW-17D
N-9778 N-9779
SVP-13
SEW-1i SEW-1S
SEW-1D
COMMERCIAL AVE
W-3
W-4D
405
305
Containment
Area
365
MW-16S
Water Treatment