

**LEGEND**

**Upper Glacial aquifer**

- Fine to coarse sand, trace to little silt and/or fine to medium gravel.
- Very fine sand and/or silt, with silt and sand lenses interbedded.
- Coarse to very coarse sand, with or without gravel or gravel with sand.

- 085-382 BNL Monitoring Well ID
- 139 Freon-11 Concentration (µg/L)

- 50 Bldg 96 Plume TVOC Contour (µg/L) (Dashed Where Inferred)
- 5 Bldg 452 Freon-11 Contour (µg/L) (Dashed Where Inferred)

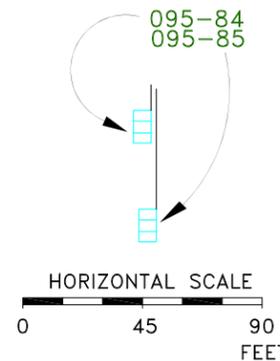
- RTW-1 Recirculation Well
- Monitoring Well Screen
- Extraction Well Screen With Blank

Water Table As Of December 1-5, 2014

TVOC - Total Volatile Organic Compounds  
 µg/L - Micrograms Per Liter  
 PCE - Tetrachloroethylene

B452-GP- Temporary well location with Freon-11 results (in µg/L), samples obtained during fourth quarter 2014.

Monitoring Well IDs are stacked in order of the depth of the well from shallow to deep



**NOTES:**

- 1) GEOLOGIC INFORMATION SHOWN IS BASED ON LITHOLOGIC DATA COLLECTED JUNE 2004 FOR GP BORING DESIGNATIONS AND NOV. 2004 FOR S BORING DESIGNATIONS SUPPLEMENTED WITH GEOLOGIC DATA FROM 2011 FREON-11 MONITORING WELL INSTALLATIONS.
- 2) TVOC PLUME DISTRIBUTION BASED ON 4th QUARTER 2014 BLDG 96 SAMPLING EVENT.
- 3) FREON 11 PLUME DISTRIBUTION BASED ON 4TH QUARTER 2014 MONITORING WELL SAMPLING EVENT.
- 4) CONTOUR INTERVAL IS AS SHOWN.
- 5) BNL WELL ID COLOR CORRESPONDS TO LONG-TERM MONITORING PROGRAM WELL LOCATION MAP.

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ENVIRONMENTAL PROTECTION DIVISION

TITLE:

FACILITY MONITORING PROGRAM,  
 BUILDING 452 AREA FREON-11, 4th QUARTER 2014  
 HYDROGEOLOGIC CROSS SECTION (Q-Q')

2014 BNL GROUNDWATER STATUS REPORT

DWN: AJZ	VT:HZ.: 1.5:1	DATE: 06/12/15	PROJECT NO.: -
CHKD: JEB	APPD: DEP	REV.: -	NOTES: -

FIGURE NO.: 3.2.3-2