Site Wide TCE Plume
Shallow Groundwater Chemistry

Former York Naval Ordnance Plant
1425 Eden Road, York, PA 17402

DRAWN BY: AM/JB | CHECKED AND APPROVED BY: SMS | DATE: 1/29/2015

G:\1000\1001\Figures\2015 SW RI Report Part Two\Rev03\RI-SiteWide_Shallow_TCE_20150122.mxd

GROUNDWATER SCIENCES CORPORATION

Plate 1
(revised 1/18/2018)

LEGEND

- Abandoned Monitoring Well
- Collection Well
- Lift Station
- Monitoring Well
- Residential Well
- Surface Water Location
- Waterloo Monitoring Well
- Tetrachloroethene (PCE)
- Trichloroethene (TCE)
- cis-1,2-Dichloroethene (cis-12DCE)
- Vinyl Chloride (VC)
- 1,1-Dichloroethene (11DCE)
- 1,1-Dichloroethene (11DCA)
- 1,1,1-Trichloroethane (TCA)
- Cl — Ledger Formation
- Ck — Kinzers Formation
- Cv — Vintage Formation
- Cah — Antietam & Harpers Formation, undiv.
- Cch — Chickies Formation

- Cross Section Transect
- Contact
- Block Fault
- Thrust Fault
- YCIDA Property Boundary
- Harley-Davidson Property Boundary
- Groundwater Contour (Feet AMSL)*
- Existing Building to Remain
- Demolished/Slab Remains
- Demolished/Slab Removed
- Wetland Boundary (2006)
- Existing Water Feature
- Existing Stream
- Road (Paved)
- Road Curb
- Road (Unpaved)
- Walkway
- Fenceline

- TCE Concentration >5 <50 ppb
- TCE Concentration >50 <100 ppb
- TCE Concentration >100 <500 ppb
- TCE Concentration >500 <1,000 ppb
- TCE Concentration >1,000 ppb

Scale (feet)
0 60 120 240

(Well)
Location ID
Top of Open Interval FtBGS - Bottom of Open Interval FtBGS (Open Interval Thickness)
Trichloroethene and Tetrachloroethylene
2008 RI Round 1 Event
2013 Comprehensive Sampling Event
2014 Comprehensive Sampling Event
2015 Comprehensive Sampling Event

(Surface Water)
Location ID
Top of Open Interval FtBGS - Bottom of Open Interval FtBGS (Open Interval Thickness)
Trichloroethene and Tetrachloroethylene
2013 Codorus Creek Groundwater Discharges Event 2
2014 Restart Test Event 5
2014 Comprehensive Sampling Event
2015 Comprehensive Sampling Event

NOTES:
1) Well pie diagram data source:
2014 Comprehensive Event; if the location was not sampled in 2014 it is the 2013 Comprehensive Event; if the location was not sampled in 2013 it is the 2008 RI Round 1 Event.
2) Surface water pie diagram data source:
2014 Comprehensive Event; if the location was not sampled in 2014 it is the 2013 Comprehensive Event; if the location was not sampled in 2013 it is the 2013 Codorus Creek Groundwater Discharges Event 2.
3) Rutters well chemistry from 11/9/12 sampling event.
4) SPBA well chemistry (MW-161 through MW-175) is from March and April 2015.
5) SPBA PIE diagrams (MW-161 through MW-175) are from April 2015.
6) * Groundwater contours in the Canterbury Lane Residential Area is composited with April 2015 Contours shown on Figure 2.3-13.
7) Concentration contour data source from "2014 Comprehensive Sampling Event"
8) Isoconcentration contours represent shallow groundwater chemistry from the top 100 feet below ground surface, and used 2014 data when available. Where there are well couplets open to different depths, the shallower of the couplets was used. For wells with no 2014 chemistry posted, guidance was taken from other dates.

SAND BANK HILL QUARRY
CODORUS CREEK
MILL CREEK
EDEN ROAD
FADING WAY
SAND BANK ROAD
MAPLE CREST BLVD
RIDGE ROAD
PARADISE ROAD
CITY VIEW ROAD
NORTH SHERMAN STREET
CANTERBURY LANE
OLD ARSENAL ROAD
U.S. ROUTE 30 / ARSENAL ROAD

Former IWTP
North Building 4 Area
West Building 2 Corridor
West Parking Lot (WPL)
South West West Parking Lot (SW WPL)
TCA Tank Area
Building 58 Area
Former North End of Test Track (NETT)
Northern Property Boundary Area (NPBA)
Eastern Perimeter Road
Southern Property Boundary Area (SPBA)
South Plume Area (SPA)