Maximum Concentrations in Wells Installed Prior to 1992

All Wells - Supplemental RI Round 1 (April-May 2008)

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LEGEND

- Collection Well
- Monitoring Well
- Residential Well
- > or = 2400 ug/l
- Inferred PCE Concentration Contours (ppb)
- PCE Concentration 50 ppb
- PCE Concentration 100 ppb
- PCE Concentration 500 ppb
- PCE Concentration 1000 ppb
- PCE Concentration 5000 ppb
- PCE, Known Source Area
- PCE, Suspected Source Area
- Harley-Davidson Property Boundary
- Buildings
- Railroad (2006)
- Roads and Curb Boundary (2006)

**Aqueous solubility for PCE = 240 mg/l .*
1% solubility for PCE = 2,400 µg/l.
(Broholm and Feenstra [1994])

Concentration contours incorporate an interpretation of the hydro-dynamics of the groundwater system based on concentration changes over time, natural gradients, observed responses to pumping, and known and suspected source areas.

Contour lines represent concentrations expected in the ground-water within the interconnected fractures and solution channels in the saturated zone.

Although historical chemistry data does not appear on this map, chemistry data from abandoned wells was considered in the construction of concentration contours. Concentration trend graphs were used to predict 2008 concentrations in abandoned wells.

Scale (feet)
0 75 150 300

Figure 5.2-3

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

Suspected PCE DNAPL Areas
Based on 1% Solubility

DRAWN BY: JPB	CHECKED AND APPROVED BY: SMS	DATE: 8/18/2011

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