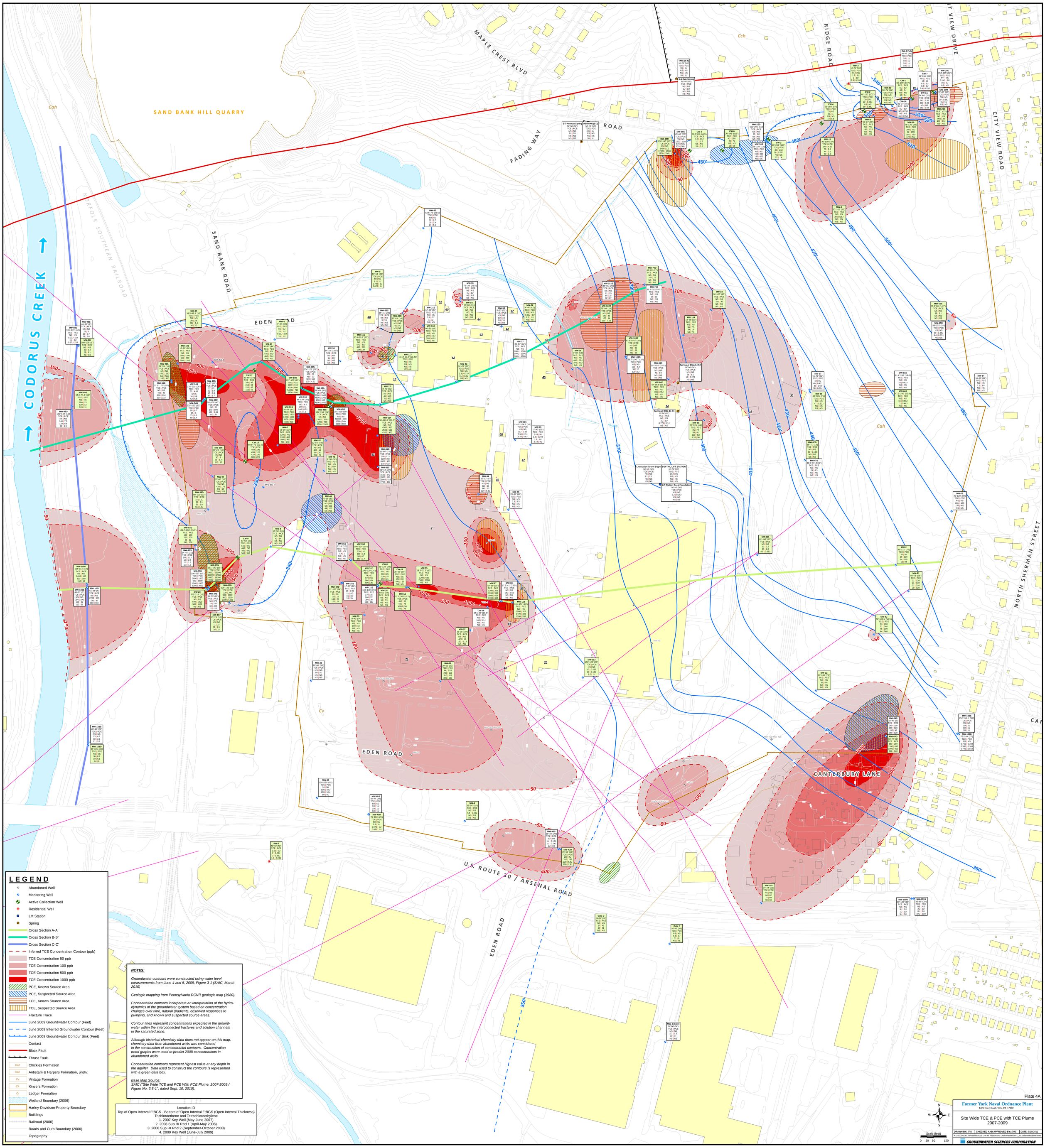

LEGEND

- Abandoned Well
- Monitoring Well
- Active Collection Well
- Residential Well
- Lift Station
- Spring
- Cross Section A-A'
- Cross Section B-B'
- Cross Section C-C'
- Inferred TCE Concentration Contour (ppb)
- TCE Concentration 50 ppb
- TCE Concentration 100 ppb
- TCE Concentration 500 ppb
- TCE Concentration 1000 ppb
- PCE, Known Source Area
- PCE, Suspected Source Area
- TCE, Known Source Area
- TCE, Suspected Source Area
- Fracture Trace
- June 2009 Groundwater Contour (Feet)
- June 2009 Inferred Groundwater Contour (Feet)
- June 2009 Groundwater Contour Sink (Feet)
- Contact
- Block Fault
- Thrust Fault
- Cch — Chickies Formation
- Cah — Antietam & Harpers Formation, undiv.
- Cv — Vintage Formation
- Ck — Kinzers Formation
- Cl — Ledger Formation
- Wetland Boundary (2006)
- Harley-Davidson Property Boundary
- Buildings
- Railroad (2006)
- Roads and Curb Boundary (2006)
- Topography

NOTES:

Groundwater contours were constructed using water level measurements from June 4 and 5, 2009, Figure 3-1 (SAIC, March 2010)

Geologic mapping from Pennsylvania DCNR geologic map (1980).

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.

Concentration contours represent highest value at any depth in the aquifer. Data used to construct the contours is represented with a green data box.

Base Map Source:
SAIC ("Site Wide TCE and PCE With PCE Plume, 2007-2009 / Figure No. 3.5-1", dated Sept. 10, 2010).

Location ID
Top of Open Interval FtBGS - Bottom of Open Interval FtBGS (Open Interval Thickness)
Trichloroethene and Tetrachloroethylene
1. 2007 Key Well (May-June 2007)
2. 2008 Sup RI Rnd 1 (April-May 2008)
3. 2008 Sup RI Rnd 2 (September-October 2008)
4. 2009 Key Well (June-July 2009)

Plate 4A

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

Site Wide TCE & PCE with TCE Plume
2007-2009

DRAWN BY: JPB | CHECKED AND APPROVED BY: SMS | DATE: 8/19/2011

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Scale (feet): 0 30 60 120