

# Home Depot (Tulsa)

(September 13, 2016)

**Location:** The site is located at 4041 S. Sheridan Road, Tulsa, Tulsa County, Oklahoma.

**Background:** The site covers about 11.5 acres in an area zoned light industrial. Land surface is flat and sloping gently eastward. Home Depot is a national retailer of household, construction and gardening supplies, materials and equipment serving business, industry and the general public. Historically, the site was occupied by electrical, power house, oil switch, foundry and fire stopping services, equipment and materials through 1999. A Phase I ESA was conducted for Home Depot in January 2001, followed by several Phase II ESAs in 2001. Numerous soil borings and monitoring wells were installed prior to construction of the Home Depot shortly after 2001. Groundwater at the site is contaminated by chlorinated solvents, i.e., trichloroethene (TCE), 1,1-dichloroethene (DCE) and vinyl chloride.

**Air:** No known air quality issues at the site.

**Soil:** Numerous soil borings were sampled for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals including: zinc, copper, nickel, and cyanide. None of the contaminant of concern exceeded screening levels. Site soils are comprised of silty and sandy clays with scattered, thin sand lenses interbedded with fill material to about 20 feet. A hard sandstone formation interbedded in places with shale is found below 20 feet.

**Surface Water:** No surface water is affected.

**Groundwater:** Groundwater is contaminated by TCE, DCE, and vinyl chloride at levels exceeding National Primary Drinking Water Standards. Groundwater is unconfined and flow is northeastward at .012 feet/foot at a depth of approximately 10-15 feet below ground surface. Perched water has been found at the site. Groundwater field measurements (temperature, conductivity and pH) and general groundwater chemistry indicate good promotion of natural attenuation, the current remedial choice. Groundwater characteristics are relatively stable from one purging event to the next.

**Private/Public Wells:** No private or public wells are affected.

**Vapor intrusion to Indoor Air:** There are no known vapor intrusion issues.

## **Key Questions:**

- **Have all known groundwater contaminant plumes been adequately evaluated and delineated?** Site characterization continues but general plume configuration is established.

- **Has the site been sampled for an adequate list of analytes?** Yes
- **Does soil or waste need to be cleaned up:** No
- **Has the surface water been sampled?** Not applicable
- **Has soil at the site been cleaned up to levels protective of groundwater?**  
National Primary Drinking Water Standards are applied as cleanup levels for the site.