

Dowell Schlumberger (Oklahoma City)

(September 8, 2016)

Location: The site is located at 13429 North Broadway Extension, Oklahoma City, OK.

Background: The site (approximately 8.5 acres) was used from the early 1940s through the early 1990s for the storage and maintenance of oilfield service vehicles and associated support services. All buildings and structures on the property were razed in the mid-1990s, and the site is currently inactive.

The site has undergone a series of environmental investigations and corrective remedial actions. The primary contaminants of concern are 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), cis-1,2-DCE, tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride. Semi-annual groundwater monitoring is performed. The final remedy of excavation in the source area of contamination will commence in mid-September 2016.

Air: There are no known air quality issues at the site.

Soil: Soil across the site is primarily composed of a yellowish-brown to very dark brown to red silt with varying amounts of clay and little to no trace amounts of sand. Volatile organic compound (VOC) – impacted soils are present in the vicinity of the source area. The remedy consists of excavation and off-site disposal of VOC – impacted soil to a depth of approximately 11 feet below ground surface.

Surface Water: There is no surface water that is affected.

Groundwater: The Permian Hennessey Group is the major bedrock unit that underlies the site. The Hennessey Group is composed of orange-brown to greenish-gray silt and sandstone of the Kingman Siltstone and reddish-brown shale of the Salt Plains Formations.

The groundwater plume flow path appears to migrate in two directions, to the east and southeast. Groundwater exists 5 to 11 feet below ground surface. The remedy of excavation and off-site disposal will also include perched VOC-impacted groundwater.

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?** Delineation is needed off-site to the east and northeast. Additional delineation has been requested.
- **Has the site been sampled for an adequate list of analytes?** Yes

- **Does soil or waste need to be cleaned up:** Yes. Excavation at the source area will commence in mid-September 2016.
- **Has the surface water been sampled?** There are no surface water issues.
- **Has soil at the site been cleaned up to levels protective of groundwater?** No, but excavation is ongoing.