

Dowell Schlumberger (Tulsa)

(September 8, 2016)

Location: The site consists of two parcels of land located at 1150 North Utica Avenue (Utica property) and 1151 North Rockford Avenue (Rockford property) in Tulsa, OK.

Background: The site was formerly used to manufacture trucks for the oil industry from about 1945 to the early 1990s. Buildings on the Utica property were razed in the mid-1990s, and the property is no longer used for active operations. Portions of the Rockford property are lease by Rockford Industrial Park, LLC, to Arrow Engine, which manufactures/fabricates compressors. The Utica property is approximately 15 acres and the Rockford property is approximately 18 acres. The site has undergone a series of environmental investigations and corrective actions since 1990. Volatile organic compounds (VOCs) consisting of chlorinated solvents are the contaminants of concern.

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

Soil: The soil at the Rockford property is primarily composed of either silt or clay that contains little to no sand or gravel. Results from potential chemicals of concern in soils were below applicable risk screening levels.

The soil encountered across the Utica property is primarily composed of a yellow-brown to dark brown silt with varying amounts of clay, sand, and/or gravel. In-Situ soil mixing of persulfate and lime were mixed in the contaminated areas in early 2016.

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

Groundwater: The Seminole Formation is the major bedrock unit that underlies the site and is up to 200 feet thick. The formation contains interbedded shale, siltstone, and sandstone with some minor thin coal beds. The general groundwater flow for the Rockford property is north with some northwesterly and northeasterly components. Depth to groundwater at Rockford ranges seasonally from 2 to 5 feet below ground surface. Excavation was proposed as a remedy, but access could not be negotiated. Groundwater monitoring and interim remedial measures continue at the site.

The groundwater flow for the Utica property varies across the northeast and to the north, northwest, northeast, and to the east. Depth to groundwater at Utica ranges seasonally from 2 to 5 feet below ground surface. The treatment remedy for the Utica property was persulfate and lime soil mixing into saturated soil and groundwater down to top of unweathered bedrock 15 feet below ground surface. Institutional controls for industrial use only will be filed for the Utica property.

Semi-annual groundwater monitoring is performed at the Rockford and Utica properties.

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?** Yes
- **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?** There are no surface water issues.
- **Has soil at the site been cleaned up to levels protective of groundwater?** Yes