

Chickasha Laundry (Chickasha)

(September 9, 2016)

Location: The facility is located at 327 South Second Street in Chickasha, OK.

Background: Chickasha Laundry has been operating at the property since the early 1930's. The site is 1.7 acres. Tetrachloroethene (PCE) and its daughter products, trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE), are the contaminants of concern in soil and groundwater.

Air: There are no known air permit issues.

Soil: Soil at the site is brown silty clay near the surface followed in depth with reddish brown clayey silt. Soil is contaminated with PCE and daughter products north of the dry cleaning building. There are plans to excavate the contaminated soil.

Surface Water: There is no known surface water contamination.

Groundwater: The site is located within the Washita River Valley. The upper stratum in the area are Quaternary System alluvium and terrace deposits. Depth to water is approximately 7 to 8 feet below ground surface. Groundwater flow is in the eastern/southeastern direction. Excavation and remediation of groundwater is planned for the fall of 2016.

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

Vapor Intrusion to Indoor Air: Passive and active soil gas samples were collected around the property that helped define the groundwater plume. A residence located at 109 Iowa Street had crawl space air samples above screening levels for PCE and TCE. A mitigation system was installed. Effectiveness of the mitigation is being evaluated.

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:** Yes.
- **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