

# Former Kerr-McGee Cleveland Refinery Site (Cleveland, OK)

(10/27/16)

**Location:** County Road 3660, SW of Cleveland, OK (N 36.301117° W 96.480161°)

**Background:** Former Refinery.

**Air:** No known air issues. No buildings over contaminant plumes.

**Soil:** Soil and wastes identified in the Soil and Waste Feasibility Study were excavated in 2012.

**Surface Water:** The site drains to Cedar Creek, which backs up over a portion of the site when Keystone Reservoir is in flood stage. Long Term Surface Water Monitoring is ongoing.

**Groundwater:** Initial assessment of the Lower Sandstone, Upper Sandstone and Quaternary Unit identified dissolved hydrocarbons, metals and free product in the ground water. Additional assessment is planned for 2016-2017. Ground water gradient is generally toward Cedar Creek.

**Private/Public Wells:** One well across Cedar Creek from the site (Pawnee Indian Health Services). Oil & Gas wells owned by others are also present on and around the site.

**Vapor Intrusion to Indoor Air:** Assessment ongoing. No residential development is present on the site.

## **Key Questions:**

- **Have all known groundwater contaminant plumes been adequately evaluated and delineated?** Yes. Re-evaluation is planned.
- **Has the site been sampled for an adequate list of analytes?** Yes.
- **Does soil or waste need to be cleaned up?** Soil and waste were cleaned up in 2011-2012. .
- **Has the surface water been sampled?** Yes. Ongoing long-term monitoring.
- **Has soil at the site been cleaned up to levels protective of groundwater?** Yes. Groundwater is still being addressed.