

ConocoPhillips North Glenpool Terminal (Jenks)

(9/30/2016)

Location: 10600 S Elwood Avenue, Jenks OK. This is just north of the Creek Turnpike, approx. 3/4 mi east of US 75.

Background: A hole was found in a tank during a routine inspection at the bulk petroleum storage terminal. The associated terminal facility is across Polecat Creek to the north.

Air: No known known air quality concerns.

Soil: Soil contaminated with benzene, Total Petroleum Hydrocarbons – Gasoline-range Organics (TPH-GRO) and Diesel-range Organics (TPH-DRO) was observed.

Surface Water: (nearby surface water, typical topography, surface flow directions) A meander loop of Polecat Creek runs west-to-east around the north end of the tank farm. Hydrocarbon sheen observed in 2015 was addressed first with sorbent booms, and later with the installation of a recovery trench.

Groundwater: Concentrations of benzene exceed the MCL; concentrations of MTBE, TPH-GRO and TPH-DRO exceed respective screening levels for groundwater. Light Non-aqueous-Phase Liquid (LNAPL) is present, but chemical fingerprinting suggests it may be from historical operation of a crude oil tank battery before the tank farm was built.

The plume is not delineated to the south due to access issues with the adjacent Creek Turnpike. Groundwater moving north to Polecat Creek is treated by a recovery trench. Remediation and monitoring are ongoing.

Private/Public Wells: (Off-site wells) Domestic wells operated by Oklahoma Turnpike Authority are 0.47 miles and 0.7 miles ENE of the site, across Polecat Creek from the site. Being across the creek, they are not a concern.

Vapor Intrusion to Indoor Air: Not a concern

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?** Yes.
- **Has soil at the site been cleaned up to levels protective of groundwater?** This needs to be evaluated further.