

Koch / OneOK Custer Gas Plant (Custer City)

(Last Update 12/14/2009)

Location: 0.9 mi W, 1.17 mi S of Custer City, on N 2300 Road, Custer County, OK

Background: Active Gas Plant, built approximately 1971. Sold to OneOK. Soil and groundwater contamination was found near a former product tank and a former slop oil tank.

Air: No known air quality issues

Soil: Benzene, Total Petroleum Hydrocarbon and metals contamination in soil was removed as an Interim Remedial Measure in 2000.

Surface Water: An unnamed, intermittent stream is 0.07 mi W of the site, drains to the south to Beaver Creek. Four wastewater treatment lagoons 0.12 mi NW of the site, are operated by Custer City and appear to be cross-slope or up-slope of the site. Impact is considered to be unlikely.

Groundwater: Contamination is Phase-Separated Hydrocarbon (PSH) until late 2015, and Benzene and Total Petroleum Hydrocarbons - Gasoline Range Organics (TPH-GRO). Arsenic in MW-7 and barium in MW-11 slightly exceed MCL. Interim Remedial Measures consist of Dual-Phase Extraction (DPE) applied quarterly to remove PSH and reduce BTEX and TPH concentrations in ground water and the vadose zone. Koch has asked to suspend DPE treatment.

Private/Public Wells: No known domestic use wells nearby. USGS owns one well for "Mining", TD 420 ft, 0.9 mi ENE of the site. Three monitor wells around wastewater treatment ponds NW of the plant; nearest well 0.12 mi NW of site. None of these is down-gradient of the site.

Vapor Intrusion to Indoor Air: Not evaluated. One storage building is close to wells with historical benzene > MCL.

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?** This appears to be a groundwater contamination issue. There is no currently known contaminated soils that need to be addressed.
- **Has the surface water been sampled?** Not required, as groundwater > MCL has been delineated.
- **Has soil at the site been cleaned up to levels protective of groundwater?** Yes.