

Lakewood Shopping Center (Oklahoma City)
Site Summary
(10/21/2016)

Location: 6807 North May Avenue Oklahoma City OK 73116. The former drycleaner was located at Lat 35E32'26"N, Lon 97E33' 57"W (35.540557 N, -97.565837 E)

Background: Former drycleaner at a commercial/retail shopping center. Most recently Country Club Cleaners. Previously listed as Lakewood Cleaners, in 1993 and 2001 Directories.

Air. A sub-slab depressurization is planned for the vapor intrusion into indoor air pathway.

Soil. Some soil by the building exceeds groundwater protection levels screening levels. Soil testing under the former drycleaner facility is planned.

Surface Water. Lake Hefner approximately 4000 feet northwest. The plume is delineated and the lake is outside the footprint of the groundwater contaminant plume.

Groundwater. Impact from chlorinated solvents. Shallowest groundwater flows to the northeast. Depth to water is currently 5 to 10 feet. The site is in Quaternary Terrace Deposits, lenticular beds of sand silt clay and gravel. Thickness ranges from a few feet to about 100 feet and probably averages about 50 feet.

Remediation is ongoing, using in-situ chemical oxidation using a sodium permanganate solution. Vertical injection wells have been in use since 2010, and two horizontal wells under the former drycleaner unit started in September 2016.

Private/Public Wells: There are no known drinking water wells nearby. Water is supplied by the City of Oklahoma City.

Vapor Intrusion to indoor air. The plume extends northeastward across North May Avenue, at least to another shopping mall, but at much lower concentrations. Residential properties are located 400 feet east of the site. Groundwater gradient and soil gas testing do not indicate an issue off-site. Sub-slab depressurization is planned for some of the strip mall units adjacent to the former drycleaner. The rental unit formerly occupied by the drycleaner is unoccupied except for furniture storage.

KEY QUESTIONS:

Has the groundwater contaminant plume been adequately evaluated/delineated?
Although greatly diminished, contamination above MCL extends to the east. Additional delineation has been requested.

Has the site been sampled for an adequate list of analytes? Yes.

Does soil or waste need to be cleaned up? Yes. Additional investigation is planned.

Are there obvious wastes in nearby surface water or wetlands? No

Are there any groundwater contamination impacts to nearby surface water? No.

Has the surface water been sampled? N/A

Has the site soil been cleaned up to levels protective of groundwater? No.