# Hurley's Drycleaners (Former)

**620 West Lyman Avenue**
**Winter Park, Florida**
**County: Orange**
**District: Central**
**Site Lead: Waste Cleanup Program**
**Accepted for Cleanup: December 5, 2012**
**ERIC ID # 3950**

## Site Description and History

The site is a 0.3-acre parcel of property located near the corner of Lyman and Pennsylvania avenues in Winter Park, Florida in Township 22S, Range 30E, Section 05 at Latitude 28° 35′ 40.8990″ N, Longitude 81° 21′ 26.8284″ W. A drycleaning operation began at this site around 1948 and continued operating until 1984 when the property transferred ownership and became a residential property.

## Threat

There is shallow chlorinated solvent contamination in the groundwater at the site above the Natural Attenuation Default Source Concentrations for tetrachloroethene (PCE) and trichloroethene (TCE). Site related contamination is a potential health threat to residents living in the former drycleaning facility. There is no immediate threat to surface water bodies and the closest potable supply wells are approximately one mile north-northeast of the site. There is currently no risk of exposure to contaminated groundwater because the area receives water from public supply wells.

## Response Strategy and Status (December 2020)

In December 2005, the DEP Central District Office requested assistance from the Site Investigation Section (SIS) in locating the source of contamination reported in the area of South Pennsylvania Avenue and Holt Avenue. Two phases of site assessment were completed by SIS; the first in 2006, and the second in 2008. The second phase of assessment identified and focused on the former Hurley's Drycleaners as the potential source for groundwater contamination in the area.

In February 2009, a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) preliminary assessment was completed. The assessment documented groundwater contamination by chlorinated solvents and recommended a CERCLA site inspection. In March 2009, the DEP Office of General Counsel determined that there was insufficient evidence of a remaining source on the former Hurley's Drycleaners property and the site should be considered for state-funded cleanup.

The site was referred to the Site Screening Superfund subsection in April 2010 and given a Hazard Ranking System score of 50. Based on a review available site data, the US EPA determined that further assessment was needed to complete groundwater plume delineation.

Additional site assessment work was completed and summarized in an Expanded Site Inspection Report dated March 31, 2011. In June 2011, the US EPA determined that the site was a low priority for the Superfund program.

The site assessment work plan was submitted by Conestoga-Rovers & Associates (CRA) and approved by the DEP in February 2013. Site assessment activities began in March 2013 and included the sampling of all existing monitoring wells, soil sampling, and modified active gas sampling.

Site assessment was completed in the October 2013. CRA recommended soil vapor extraction (SVE) to address soil contamination remaining at the site. The Interim Source Removal Plan to address soil contamination was approved in November 2013. Construction related to the installation of the SVE system was completed in July 2014.

The SVE system is currently in operation at the site. Additional groundwater sampling was recommended for the May 2015 visit. Wells MW009 MW030 and MW031 exhibit levels in exceedance of State cleanup target levels. MW031 reported levels in excess of State natural attenuation default concentrations.

The Annual Remedial Action Status Report was completed on January 11, 2016. This report shows that groundwater concentrations remain above Natural Attenuation Default Concentrations at MW031 for PCE and TCE as well as concentrations above State Cleanup Target Levels for *cis*-1,2-dichloroethene in MW031, PCE for MW-303 and MW032 and TCE in MW037. The report also indicates a diminishing effectiveness of contaminant removal from the current SVE system. GHD Services, Inc. (GHD) formerly CRA, will perform vapor sampling from individual SVE wells to determine the most effective operation of the SVE system. GHD proposes enhanced bioremediation within the source area.

GHD completed operation of the SVE remedial system through March 2016. Groundwater analytical results from March 2016 indicate a continuing decreasing concentration trend for near source wells MW030 and MW031. All concentrations were reported at levels below NADC values. SVE system shutdown verification sampling is currently ongoing.

The Revised Limited Scope Remedial Action Plan was submitted to DEP in March 2017 recommending bio-stimulation and bioaugmentation injections to treat groundwater impacts. The Limited Scope Remedial Action Plan was approved by DEP April 5, 2017.

GHD completed bio-stimulation and bioaugmentation injections in the Spring of 2018 and initiated SVE system startup to mitigate the potential for methane accumulation.

The September 2018 groundwater sampling data indicated major decreases in PCE post-injection. The SVE system is in continuous operation to mitigate methane accumulation. In addition, quarterly site visits are ongoing to monitor Underground Injection Control (UIC) parameters, dissolved gases, and annual VOC sampling.

The August 2019 groundwater sampling data continues to indicate a major decrease in PCE post-injection. The SVE system will remain in continuous operation to mitigate elevated methane. Dissolved gases and UIC parameters will be sampled quarterly until data confirms levels have dropped below standards. VOCs are sampled on an annual basis.

The August 2020 groundwater data continues to indicate a stable and shrinking trend. SVE remains in continuous operation to mitigate elevated methane post-injection. UIC parameters have been below standard for the duration in the Zone of Discharge (ZOD) and will be dropped from the sampling schedule.

**Schedule**

Quarterly O&M visits and groundwater sampling will continue through April 2021.