



PROJECT HIGHLIGHT

REMIEDIATING A FORMER INDUSTRIAL CLEANING SITE

In Situ and Ex Situ Remediation for Complex Contamination

LOCATION: Louisville, KY

PROJECT: In Situ Remediation, Excavation, Backfill and Restoration

CONTAMINATION: Perchloroethylene, Trichloroethylene

PROJECT DURATION: 6-Months

PROJECT VALUE: \$345,000

PROJECT OVERVIEW

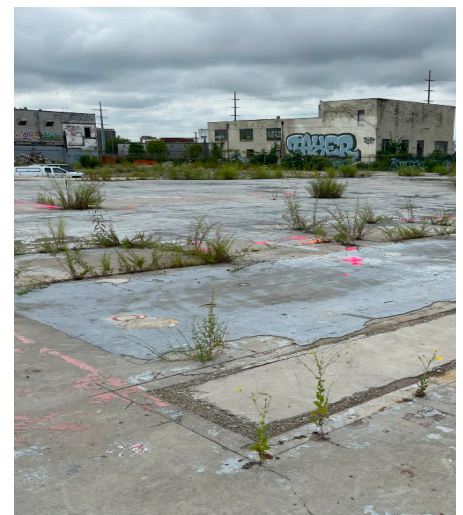
The client acquired a property previously used for industrial dry cleaning, which was contaminated with hazardous substances, particularly in the subgrade soils. Cascade was brought in to perform in situ soil remediation, including excavation, backfilling, and site restoration.

During the excavation, it was discovered that the overburden soil, initially assumed to be non-hazardous, was actually contaminated with hazardous materials exceeding regulatory treatment standards. To address this, Cascade adapted its approach, using ex situ chemical oxidation for soil treatment. Bench-scale testing was conducted to determine the correct reagent dosages for effective remediation.

Cascade successfully treated and stabilized the soils, ensuring full regulatory compliance and completing the project with the site restored and safe for future use.

RESULTS

Cascade reduced contaminants to below treatment standards, enabling cost-effective disposal at a Subtitle C landfill. The project exceeded client expectations, avoided costly disposal, and was completed efficiently despite delays. Cascade's value engineering also secured local disposal, saving the client significant costs.



EXCELLENCE ON EVERY LEVEL™

425-527-9700 | www.cascade-env.com

Nationwide Office Locations | Headquartered in Washington