



EX-SITU CHEMICAL OXIDATION TREATMENT CELL FACILITATION (SOILS)

COMMERCIAL DEVELOPMENT LOUISVILLE, KENTUCKY

Client: Private Consulting Firm

Contaminants: PCE and Associated Daughter Products

Impacted Matrix: Unsaturated Soils

Scope of Work: Ex-Situ Treatment Cell for Soil Staging and Remediation Utilizing Modified Advanced Oxidation Technology (mAOT).

Project Specifics: SESCOIENCES was contracted to design an innovative remedial approach for the treatment of widespread shallow soil contamination (0-3 ft.); impeding the ground breaking of a commercial development.

SESCIENCES provided costing, timelines, and framework for the construction of an on-site treatment cell, for the staging and remediation of excavated soils utilizing mAOT.



Project design and an expedited implementation demonstrated that contractor construction schedules would not be impeded by remedial activities; allowing commercial development to be initiated in a timely manner.

Overall Projected Cost Comparison

Traditional Dig and Haul with Landfill Disposal of a Hazardous Waste: \$1.6 - 1.8 mil.
Vs.

On-Site Treatment Cell Construction with mAOT Activities: \$250 - 305 K

Current Site Status: Full Scale Implementation Pending