



"Driven to Excellence"

SOIL VAPOR EXTRACTION

Rock Leaf Water Environmental In-Situ Soil Vapor Extraction

Introduction

In the environmental field, remediation and characterization of subsurface impact can be a challenging problem. The chemical and physical properties of the contaminants and the stratigraphic characteristics of the underlying media will determine the transport and fate of contaminants and ultimately the type of remediation that should take place to remove the contaminants in the most cost effective and timely manner. Rock Leaf Water (RLW) is situated to offer in-situ extraction systems using unsaturated and saturated soil properties to help alleviate these contaminants.

RLW will start with initial testing of samples drawn from a targeted depth, and using an accredited laboratory will receive results within 5-10 days. After results are received, we can design an extraction system based on the contaminant analysis and levels. RLW will then implement a soil vapor extraction or (SVE) system to extract the soil vapor from the subsurface. This system induces subsurface air flow via vacuum which is applied to a well screen within the zone of concern. The system relies on the volatilization of subsurface constituents with air flow. The vacuumed media is then directed through the scrubber system, which removes contaminate of concern.

Soil Investigation

Geoprobe Services

Initial testing of samples at targeted depths and at the surface

Water Management

Removal of Unwanted Water

- Pump and treat processing
- Continuous water removal capabilities (24/7 operations)

System Installation

Design of conceptual site model for remediation activities

Saturated and unsaturated site implementation

Removal of VOC source by diverting vapor migration toward extraction point

Ex situ treatment systems for VOC mitigation

Installation of Vapor Recovery Wells (Geoprobe)

Contamination Clean-up

- Waste Management
- Regulatory Reporting
- Spill Remediation Restoration
- Analytical Testing (Confirmation Sampling)
- Soil Removal
- Soil Disposal

Ongoing Site Maintenance

- Interval based performance reports and preventative maintenance on remediation systems
- Hazardous waste management and storage tank cleaning and removal solutions

CERT



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RockLeafWaterEnvironmental.com