



SITE DATA DESIRED FOR GEO-CLEANSE PROJECT DESIGN

The site information desired for final Geo-Cleanse project design is typically included in a very thorough remedial investigation report. Specifically, we search for the following information:

I. General Site Information.

- A. Map(s) with buildings, overhead or underground utilities, sample locations, etc.
- B. Topographic map.
- C. Site history, especially regarding the plume origin, previous remediation, etc.
- D. Site hazards and access for drill rig, Geo-Cleanse treatment rig, etc.

II. Soil Data.

- A. Detailed lithologic descriptions and geologic cross sections.
- B. Soil density.
- C. All soil boring logs from the site.
- D. All soil analytical data in tabular form.
- E. Contaminant isopleth maps (by compound and by discrete depth intervals).

III. Groundwater Data.

- A. Detailed lithologic descriptions of the aquifer (boring logs).
- B. Depths of aquiclude/aquitard intervals.
- C. Depth to groundwater and seasonal variations.
- D. Hydraulic conductivity.
- E. Porosity.
- F. Water quality (pH, alkalinity and iron concentration).
- G. All groundwater analytical data in tabular form.
- H. Observations/thickness of free product layers.
- I. Contaminant isopleth maps (by compound and by aquifer if more than one).
- J. Groundwater piezometric surface map.

IV. Bedrock Data (if applicable).

- A. All groundwater quality data described in Section III.
- B. Depth to bedrock, and unconsolidated soil data described in Section II.
- C. Depth to water and seasonal variations.
- D. Distribution, strike and dip of fracture sets and discrete zones.
- E. Packer testing results (pump tests, temperature, resistivity, etc.).