

Clean Earth Sampling Protocol Williamsport

| PARAMETERS | TPH - DRO | TOTAL VOLATILE ORGANICS | TOTAL PAHs | TOTAL METALS 8 RCRA + Al, Sb, Be, B, Cu, Fe, Mn, Ni, Tl & Zn | TOTAL SULFITES | TOTAL SULFATES & CHLORIDES | IGNITABILITY | CORROSIVITY (PH) | REACTIVITY - CYANIDE & SULFIDE | % MOISTURE | |
|---|--|-------------------------|------------|--|---------------------|----------------------------|---------------------|------------------|--------------------------------|---|------------|
| METHODS (1) | | 8015M | 8260 | 8270 | 6010/6020 | EPA 377.1 | 9056 | 1030 | 9045 | SW846 CHAPTER 7.3 | SM20-2540G |
| | FREQUENCY | | | | | | | | | | |
| DRILL CUTTINGS PIPELINE CUTTINGS | 5 point composite every 500 CY (1 grab/100 CY) | X | X | X | X | X | X | X | X | X | X |
| Limit | | End Use Criteria | <5 mg/kg | <100 mg/kg | End Use Criteria | End Use Criteria | End Use Criteria | Negative | >2.0; <12.5 | Sulfide <500 mg/kg Cyanide <250 mg/kg | |

(1) The methods provided are standard EPA methods. The method revisions are subject to change and the most current method should always be utilized by the laboratory.

Prior to acceptance, each incoming waste will be sampled and tested to ensure that it meets the requirements specified by the end use site where the material is intended to be used. The end use site acceptance criteria may vary. Incoming testing will be performed to match the frequencies of the end use site if they are less than the frequencies indicated above.

This is to be used as a guideline for sampling. Sampling frequencies and parameter requirements may be modified at the discretion of the CE Approval staff based upon items such as site history, levels of contamination and/or source of contamination, etc.