



Drill Cuttings Remediation and Testing Protocol

COLORADO

1. During the drilling process, the Symmetry CDU shall be used to mix fresh drill cuttings with Geozorb, DryLet MBB and BioComplete.
2. Geozorb shall be used with the proper additives to begin the bioremediation process for hydrocarbon and salt contamination.
 - a. Care shall be taken to not over-dry the drill cuttings (min. 15% moisture)
3. After drilling is complete, (est. 30-45 days after TD) a properly trained individual shall take sample the stockpile of treated drill cuttings as follows:
 - a. The stockpile of treated drill cuttings shall be divided into parts no greater than 100 cubic yards,
 - b. One 10-part composite sample shall be taken from each segment of the stockpile of treated drill cuttings,
 - c. Two discrete grab samples shall be taken from the stockpile in such as way as to preserve any potential volatile organic compounds
4. Ten samples shall be taken of the stockpile of subsoil for use as a source for background data.
5. See attached Stockpile Composite Sample Worksheet
6. Samples shall be analyzed by an independent 3rd party certified laboratory for all of table 910-1
7. Results shall be compiled and compared to the table 910-1 standards
8. If the material does not yet meet standards, then it shall be re-tested until remediation is complete
9. Once material meets all of table 910-1 thresholds,
 - a. Lab data and compilation report shall be preserved in permanent company records
 - b. The treated material shall be thin spread within the permitted well site
 - c. The well site shall be reclaimed according to current practices