



WSDOT Test Method T 127

Preparation of Leachate Sample for Testing Toxicity of HECP Effluents

1. Scope

This test method outlines the procedure for collecting leachate from a HECP sample.

2. References

2.1 EPA-821-R-02-012 Methods for Measuring Acute Toxicity of Effluents

3. Preparation of the HECP Sample

3.1 Lay cheesecloth over clean topsoil

3.2 Apply the HECP to the cheesecloth at the following coverage:

3.2.1 HECP Long-Term or Moderate-Term Mulch 3,500 lbs per acre in two lifts with no more than 2000# per acre in any one lift.

3.2.2 HECP Short-Term Mulch 2000# per acre minimum, or manufacturer's recommended rate may be used.

3.3 Allow material to cure for 48 hours

3.4 Pull cheesecloth up with mat of HECP, brush off any soil

3.5 Cut HECP into squares and provide 1.02 pounds of HECP to the laboratory.

4. Preparation of the Leachate (done by the laboratory)

4.1 Allow hydromulch product to soak in water for one hour

4.2 Remove hydromulch sheet from water

4.3 Filter water through a 60 micron filter – water may be pre-filtered through a 35 mesh and then a 120 mesh before using the 230 mesh/63 micron filter.

Note: Leachate not immediately used for testing should be stored at 4° C in the dark until use.

4.4 Test leachate according to EPA-821-R-02-012 Methods for Measuring Acute Toxicity of Effluents.

