

US EPA ARCHIVE DOCUMENT

MARYLAND BUREAU OF MINES

COAL ASH UTILIZATION/DISPOSAL REQUEST

1.0 APPLICANT INFORMATION

1.1 Permittee: _____

1.2 Surface Coal Mine Operation Permit Number: _____

1.3 Estimated coal tonnage produced: _____ tons/month

1.4 Is this request a result of an ash haul-back agreement: _____
If yes, is the agreement proposed or finalized: _____

1.5 Provide a letter of approval for disposal utilization of the ash from the landowner(s) of the area where disposal utilization is proposed.

2.0 IDENTIFICATION OF MATERIAL

2.1 Name of Source: _____
Location: _____
Contact Person: _____
Phone Number: _____

2.2 Type of Facility: _____

2.3 Type of Fuel Burned: _____

2.4 Type of Ash/Waste: Bottom ash/slag _____ Fly ash _____
Fluidized bed combustion ash _____ Other _____
Desulfurization sludge _____ Calcium spray dryer sludge _____

2.5 If a combined waste, indicate types and relative percentages:

3.0 CHEMICAL CHARACTERIZATION

3.1 Attach a copy of a recent solids analysis of the material, at a minimum provide analysis for the following:

aluminum	cadmium	lead	selenium
arsenic	chromium	manganese	silver
barium	copper	mercury	zinc

3.2 Attach a copy of a recent leachate analysis of the material (TCLP), at a minimum include analysis for the following:

aluminum	cadmium	lead	selenium
arsenic	chromium	manganese	silver
barium	copper	mercury	zinc

3.3 If the material is proposed for use as a soil replacement or soil amendment, provide an analysis of the following:

boron	nitrogen
conductivity	phosphorus
molybdenum	potassium

3.4 Attach a copy of water quality analyses for the mine permit drainage control system, provide analysis for the following parameters:

pH	acidity	barium	iron	selenium
specific conductance	alkalinity	cadmium	lead	silver
total dissolved solids	aluminum	chromium	manganese	sulfate
total suspended solids	arsenic	copper	mercury	zinc

4.0 ASH UTILIZATION/DISPOSAL PLAN

4.1 Quantity of ash to be Utilized/Disposed: _____ tons/month

4.2 Provide a narrative description with map(s), drawings, and cross-sections of the proposed handling plan. Include at a minimum details on:

- a. where the material will be placed,
- b. how it will be placed,
- c. how instability in fills or backfills will be prevented,
- d. how AOC of the mine backfill configuration will be achieved, and
- e. temporary storage of material that cannot be immediately utilized.

4.3 Provide a narrative description with drawings and cross-sections, if appropriate, explaining how dust from hauling, unloading, storage, and placement operations will be controlled.

4.4 Provide a narrative description with drawings and cross-sections, if appropriate, explaining how contamination of surface and ground water will be prevented.

4.5 Provide a narrative description of the potential hazards to workers involved in the handling of the material, and the plan to protect them if warranted.