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.