

Appendix 5.A

Pre-permitting Testing Requirements

Appendix 5.A—Pre-permitting Testing Requirements

III. COAL ASH AND LEACHATE ANALYSES					
Coal Ash Generation Facility Name _____					
RESULTS OF ANALYSES <input type="checkbox"/> No pH adjustment <input type="checkbox"/> After pH Adjustment					
Constituents	Acceptable Methods of Analysis Indicate Method Used		Ash Dry Wt. Concentration. (mg/kg)	EPA's SW-846 Method 1312, SPLP Leachate Concentration (mg/L)	Maximum Acceptable Leachate Concentration (mg/L)
	EPA SW-846	Other Acceptable			
pH Solid	9045				
Aluminum	6010A, 7020				5.0
Antimony	6010A, 7040, 7041				0.15
Arsenic	6010A, 7060A, 7061A				1.25
Barium	6010A, 7080A, 7081				50
Boron		EPA 600/4-79-020			31.50
Cadmium	6010A, 7130, 7131A				0.13
Chromium	6010A, 7190, 7191				2.5
Copper	6010A, 7210, 7211				32.5
Iron	6010A, 7380,7381				7.5
Lead	6010A, 7420, 7421				1.25
Manganese	6010A, 7460, 7461				1.25
Mercury	7470, 7471A				0.05
Molybdenum	6010A, 7480, 7481				4.38
Nickel	6010A, 7250				2.5
Selenium	6010A, 7740, 7741				1.00
Zinc	6010A, 7950, 7951				125
Sulfate	9035A, 9036A, 38A				2500
Chloride	9250, 9251A, 9252				2500
Sodium	6010A, 7770				
Acid Neutralizing Potential*	Method of Analysis		Calcium Carbonate Equivalence		
	<input type="checkbox"/> Neutralization Potential Test, DEP's Overburden Sampling and Testing Manual, Noll <i>et al.</i> <input type="checkbox"/> Other indicate method _____		Tons of CaCO ₃ per 1,000 tons of ash _____	% CaCO ₃ Dry Wt. _____	
Hydraulic Conductivity**	<input type="checkbox"/> ASTM D 5084-90 <input type="checkbox"/> Other indicate method _____		Permeability (cm/sec)		
* Provide only when the requested beneficial use is alkaline addition.					
** Provide only when the requested beneficial use is as a low-permeability material.					
Analytical Laboratory Name, Address _____			Analyst(s) Name _____		
_____			_____		
_____			Telephone No. _____		
Laboratory reports must be attached					