

Use of Leachate Data in Risk Assessment in Pennsylvania

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ABSTRACT

Approval to utilize coal ash for mine reclamation and other related and approved uses is based on: (1) the coal ash's leachate and chemical analysis required by Pennsylvania's coal ash permit Modules 25 and 27; (2) Pennsylvania's beneficial use coal ash regulations; and (3) several technical guidance documents. These analyses, the proposed site characteristics, and several other factors are utilized to determine if the coal ash is suitable for use at the site and for the proposed purpose. The coal ash's physical characteristics are also reviewed and if approved; a number of permit special conditions require the coal ash to meet certain chemical and physical characteristics when utilized at the site. Site monitoring and continued ash analysis requirements are integral parts of any approval, and all of these items must be satisfied for coal ash to be utilized for mine reclamation in Pennsylvania.

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