synTerra

COAL ASH MANAGEMENT

The EPA's Coal Combustion Residuals Rule was established to protect the environment and public health. The intent is positive, but the rule's complexities can be daunting, and there are separate-but-related state guidelines. A utility's compliance is dependent on understanding the myriad regulations, and its business objectives are dependent on addressing site-specific challenges in a cost-effective manner. A solution must cover everything from assessment/evaluation to strategy development to corrective action.

Science & Engineering Consultants

Complex regulations require comprehensive solutions.

Interpreting the EPA's Coal Combustion Residuals (CCR) Rule is a challenge. State guidelines add to the complexity, as do amendments and court cases. A comprehensive working knowledge of the CCR Rule and related regulations is essential, and a full complement of technical disciplines is needed to achieve compliance. SynTerra has that knowledge and technical diversity.

With SynTerra, clients get a partner possessing vast and varied experience in compliance activities. Clients also get a partner that knows no two sites are the same — far from it. SynTerra delivers comprehensive, integrated solutions that include detection system design, statistical evaluation, groundwater assessment planning, project implementation, and corrective action. Whether it's monitoring or modeling, remediation or report-writing, SynTerra has experienced boots on the ground and in the office. SynTerra also has experience in the relationship business. Regulators and clients alike appreciate SynTerra's thoroughness and accessibility.

SYNTERRA SERVICES AND CAPABILITIES FOR COAL ASH MANAGEMENT

Assessment
- Groundwater, surface water, and seeps
- Soil and stream sediment
- Monitoring well design and installation
- Hydrogeology
- Risk assessment

Data Evaluation
- Statistics
- Fate and transport modeling
- Geochemical modeling

Support Services
- Regulatory compliance and negotiation
- Data management
- GIS/CAD
- Field services

Corrective Action
- Alternative source demonstrations
- Corrective action plans
- Monitored natural attenuation
- Institutional and engineering controls
- Innovative approaches

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