

US EPA ARCHIVE DOCUMENT

Illinois Data Management Systems For Mine Placement of Coal Combustion Materials

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Office of Mines and Minerals
Land Reclamation Division**

Sources of Data

- P Surface Water Data
- P Groundwater Data
- P Coal Combustion Material Data

Surface Water Data

P Required by:

- ? National Pollution Discharge Elimination System
 - Enforced by Illinois Environmental Protection Agency
- ? Surface Mining Control and Reclamation Act
 - Enforced by Office of Mines and Minerals

P General Requirements of NPDES Permit

- ? Monitoring of all affected surface water
- ? Quarterly reporting
- ? Minimum of one sampling event per compliance point per month
- ? Potentially additional parameters based on waste characteristics

Groundwater Data

P Required by:

- ? Illinois Environmental Protection Agency
 - Title 35 Illinois Administrative Code 620
- ? Illinois Office of Mines and Minerals
 - SMCRA

P General Requirements

- ? Placement of wells at disposal areas per 620's
 - 25 feet laterally / 15 feet of screen
 - Groundwater quality class standards (4 classes)
- ? Background sampling of each well
- ? Quarterly reporting
- ? Parameters include SMCRA and 620 metals

Coal Combustion Material Data

P Required by:

- ? Illinois Environmental Protection Agency
 - Illinois Environmental Protection Act
- ? Illinois Office of Mines and Minerals
 - SMCRA

P General Requirements

- ? Ash characterization of a representative sample of each source and if more than one source a representative composite sample required prior to approval
 - For CCW : 27 parameters which includes 19 metals (TCLP)
 - For CCB : 19 metals (ASTM D3987-85)
- ? Quarterly reporting of CCW and possibly CCB