



ENGINEERING AND CONSULTING DIVISION  
POWER PRODUCTION SERVICES  
WASTE COAL CFB PROJECTS  
CONSULTING SERVICES

- OPERATIONS MANAGEMENT
- OPERATIONS ASSESSMENT
- WATER SAMPLING



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## OPERATIONS MANAGEMENT

The key professionals at Miltech are professional engineers who also have at least 15 years of operations' and/or operations' engineering experience. Accordingly, once a waste coal project moves from development to operation, Miltech often provides fuel extraction and transportation management services to the in-house operators.

For example, from 1990 to 2000 Miltech had been involved directly with management of the waste fuel mining/boiler ash reclamation operations for a waste coal CFB plant in Pennsylvania and now continues to serve as the fuel consultant for that operation and all of that company's other fuel contracts.

Miltech's work at two other waste coal projects involved operations activities that helped to turn these projects toward profitability. Work included direct supervision of all in-house mining/reclamation activities until in-house management were trained to assume day-to-day responsibility for the operation. Miltech is presently overseeing the fuel operations at a fuel site for one of these companies.

For additional information related to Miltech services to Waste Coal producers and burners see:

- Waste Coal Project Engineering Services
- Waste Coal Project Development Services



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OPERATIONS ASSESSMENT

Since 1990 Miltech has performed assessments of at least eight operating waste coal operations.

Miltech's technical and financial assessments of waste coal operating and transportation systems are accepted by major financial institutions and independent investors.

Generally included in these assessments are:

- Fuel Reserves
  - Reserves originally projected vs. reserves remaining
  - Recoverability and quality
- Extraction of Reserves
  - Effect on reserves of past extraction
  - Extraction plans moving forward
  - Equipment and manpower
  - Safety program
  - Cost optimization
  - Reserve utilization
- Transportation
- Ash placement at fuel sites
  - Air space utilization
  - Compaction
- Permit compliance
- Pro forma cost estimates
- Recommendations

For more information see:

- Waste Coal Project Engineering Services
  - Fuel and ash disposal permitting
  - Permit compliance
- Waste Coal Project Development Services
  - Mine plans
  - Pro forma fuel, ash disposal, limestone plans & cost estimates
  - Fuel, ash disposal, limestone plans & certification to lenders



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WATER SAMPLING

As part of its day-to-day consulting services to waste coal and ash placement operations, Miltech provides a variety of water testing services including:

- Standard field sampling of seeps and streams
- Low flow sampling of wells (ASTM)
- Water analyses
- Permit compliance assessment
- Compliance reporting

For information see:

- Analytical Division
  - Standard Water Sampling and Analyses
  - Low-Flow Well Water Sampling