

BERTHOLD ASH MONITOR APPLICATION DATA SHEET

Company _____ Key Individual _____
Installation Site _____ Telephone _____
Mailing Address _____ Fax _____
Ash Monitor LB420 _____ With Micro Moist _____ Number of Systems _____

A. COAL CHARACTERISTICS (at measurement location)

1. Approximate density _____ lbs./ft.
2. Ballast (ash + water) content: water % high _____ low _____ average _____
ash % high _____ low _____ average _____
3. Iron Components as % of Total Ash: Fe2O3 _____ % range _____ high _____ % low _____ %
Fe-Sulfur Components:
a. _____ % high _____ % low _____ %
b. _____ % high _____ % low _____ %
c. _____ % high _____ % low _____ %
4. Particle size distribution
2" to 3" _____ % Maximum Size _____ in.
1" to 2" _____ % Other Sizes _____
1/4" to 1" _____ %
Fines _____ %
100%
5. Source of Coal: Single Mine: _____ Multiple Mines: _____ Truck or Rail: _____ Other _____

B. INSTALLATION DESCRIPTION:

1. Where is the ash being monitored: _____
2. Single or multiple belts? _____ (provide sketch)
3. On-line belt _____ or sampling belt _____
4. Belt characteristics: _____ material _____ width?
_____ belt speed _____ ft/min. variable?
_____ tons/hour: high _____ low _____ average _____
_____ bed depth: high _____ in. low _____ in. average _____ in.
5. Nature of coal stream: - continuous? _____ or intermittent? _____
- rounded or jagged cross-section? _____
(add diagram if necessary)
6. Is coal stream well mixed, or does ash content vary across belt?
Describe _____
7. Location: inside _____ or outside _____ Lowest ambient temperature _____ oF
8. Location relative to other equipment (cleaning plant, silo, etc.) _____

C. MEASUREMENT REQUIREMENTS:

1. Why is ash measurement required? _____
2. Required output: 4-20mA Amp? _____ RS232 for printer? _____ For computer? _____
3. Does customer need: multiple belt measurements? _____
multiple measurement on same belt? _____
4. Expected deadlines: Delivery _____ Start-up _____

ATTACH SKETCHES, PHOTOGRAPHS, AND OTHER DETAILS, AS REQUIRED.

Engineer _____

Fax this form to Berthold at 865-425-4309 or call at 865-483-1488.