

April 2003

- **Project Number: 10-02-00096**
- **Location: Frederick, Maryland**

At LaFarge, Frederick Plant they wanted to replace their existing wet classification system with a dry system to make a “manufactured sand” product. Manufactured sand is the stone material used for asphalt. This eliminated the need for extensive water treatment facilities including large settling ponds. Based upon LaFarge’s prior experience they were confident that the Buell system would do the job. Previously, a smaller Buell static classifier was installed to replace a rotary type classifier. The system supplied by Buell consisted of four (4) GI-108 past_project, one (1) FKI fabric filter, fan, four (4) conveyors, bucket elevator, 10,000 FT3 fines storage silo, ductwork and support steel. Buell also supplied the complete installation of all supplied equipment including the electrical and foundations.

DESIGN CONDITIONS:

INLET FEED RATE:
300 tons/hr.

AIR FLOW RATE:
57,600

**ACFM OUTLET
EMISSIONS:**
0.01 grains/DSCF



WHY A BUELL CLASSIFIER?

- No moving parts
- Little or no maintenance
- Low power consumption
- Produces a dry product
- No settling ponds
- Minimal or no adjustment during operation

FIELD RESULTS

The Buell classifier is meeting expectations.