

**Fayette County Health Center  
100 New Salem Road, Room 167  
Uniontown, PA 15401**

November 26, 2007

**Bureau of Mine Safety**

724-439-7469

Fax: 724-439-7324

Mr. Jim Coe  
Senior Mechanical Engineer  
DBT America Inc.  
4041 Wumo Road  
Pulaski, VA 24301

RE: **Temporary Approval** of DBT America Inc.'s 488D Un-A-Trac Diesel Scoop

Dear Mr. Coe:

This letter acknowledges receipt of a November 20, 2007, letter from David C. Sharkins of Rosebud Mining Company requesting temporary approval to use the DBT Model 488D Diesel Scoop at Rosebud's Toms Run Mine.

On November 14, 2007, the Bureau of Mine Safety (BMS) and the Technical Advisory Committee on Diesel-Powered Equipment (TAC) completed an evaluation of the equipment and conducted emission tests according to Sections 217 and 218 of Article II-A of the Pennsylvania Bituminous Coal Mine Act. The TAC also evaluated the need for a 90 second alternate emission test at this time.

Exhaust gas temperatures and engine surface temperatures were well below 302° F as required in the Act. A smoke dot test produced acceptable results between 2 and 3. DPM calculations result in an average ambient concentration of .06 mg/m<sup>3</sup> which is well below 0.12 mg/m<sup>3</sup> as required in Article II-A. The equipment was tested for 5 minutes without the need for external coolers; therefore, the need for an alternate 90-second test was not met and is not recommended.

Based on the information provided and the TAC recommendation, the Department *temporarily approves* the DBT Model 488D Diesel Scoop with the requirements that the flame arrestor shall be cleaned during each 100-hour service test and a smoke dot test be conducted at the same time with the results recorded in the record book. Should the smoke dot test produce a result of 3 or greater, the equipment should be removed from service and the Department notified. The enclosed General Specifications sheet must be strictly complied with. The PA ventilation rate for this engine is 6,500 cfm.

The Department and the TAC are to be notified prior to placing this equipment into service.

The next scheduled meeting of the TAC is scheduled for January 9, 2008, at the above address upon which time a formal recommendation for approval will be provided.

Should you have any questions regarding the process, contact me at [jsbaffoni@state.pa.us](mailto:jsbaffoni@state.pa.us) or at the above phone number.

Sincerely,

Joseph A. Sbaffoni  
Director  
Bureau of Mine Safety

Enclosure

cc: Ron Bowersox/TAC  
Paul Borchick/TAC  
David C. Sharkins, Rosebud Mining Company

bcc: W. Bookshar  
A. Martin  
M. McCaffrey  
S. Gaida  
R. Ceschini  
B. Straka  
J. Kerch  
R. DuBreucq  
V. Geisel  
TAC file/A. Gaida

JAS/WBB/adg

*L – to DBT Temp Approval DBT Model 488D Diesel Scoop.doc*