

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

June 26, 2009

**Bureau of Mine Safety**

724-439-7469  
Fax 724-439-7324

Mr. Todd Shultz  
Brookville Equipment Corporation  
175 Evans Street  
P. O. Box 130  
Brookville, PA 15825

RE: **Approval** of the 90 second alternate stall test procedure for the Brookville Equipment Corporation Model 4M100DMV 4 man personnel carrier with a Deutz BF4M 2012 100 HP diesel engine and a DST Model 30 Exhaust Emission System.

Dear Mr. Schultz:

The standards and procedures for using diesel-powered equipment in Pennsylvania's underground bituminous coal mines are established in Chapter 4 of the Pennsylvania Bituminous Coal Mine Safety Act (Act). Section 424 of the Act establishes the Technical Advisory Committee on Diesel-Powered Equipment (TAC) whose duties include reviewing requests to use alternative technologies or methods to comply with the requirements of the Act. Any alternative technology or methods recommended by the advisory committee and approved by the Secretary shall not reduce or compromise the level of health and safety protection afforded by Chapter 4.

On June 26, 2008 the TAC and the DEP completed an evaluation of Brookville Equipment Corporation's May 12th 2008 request for a 90 second alternate emission test for the Model 4M100DMV 4 man personnel carrier. The 5 minute emission tests were conducted as required under Sections 417 and 418 of Chapter 4. The maximum shutdown temperature was reached prior to completion of the 5 minute test and a bypass button was utilized to complete the remainder of the test. This demonstrates the need for the 90 Second Alternate Stall Test procedures.

The requested 90 second alternate emission test procedure was conducted on the Brookville Model 4M100DMV 4 man personnel carrier. The 90 second alternate test was completed with comparable results. This engine and emission system were previously approved by the Department and assigned BOTE-DEES No. 36-06.

Based on the information provided, the TAC recommendation and system evaluations, the Department previously approved the 90 second Alternate Stall Test Procedure for the Model 4M100DMV 4 man personnel carrier with a Deutz BF4M 2012 100 HP diesel engine and a

Model 30 exhaust emission system. This letter provides a formal record of this previous approval for the Alternate Stall Test Procedure.

The Department approves the TAC recommendations because the alternative method will not reduce or compromise the level of health and safety protection afforded by Chapter 4 of the Act. A copy of the approved alternate test procedure is included.

The enclosed General Specifications sheet must be strictly complied with. The PA ventilation rate for this engine is 6,000 cfm.

Should you have any questions regarding the process, contact my office at the above phone number.

Sincerely,

Joseph A. Scaffoni  
Director  
Bureau of Mine Safety

Enclosures

cc: Ron Bowersox/TAC  
Paul Borchick/TAC

bcc: W. Bookshar  
A. Martin  
M. McCaffrey  
S. Gaida  
R. Ceschini  
D. Coffey  
P. Keruskin  
L. Stowinsky  
TAC file/C. Dunn

JAS/WBB/cd