

**Fayette County Health Center**  
**100 New Salem Road, Room 167**  
**Uniontown, PA 15401**  
August 13, 2004

**Bureau of Deep Mine Safety**

724-439-7469

Mr. Eli Schmader  
Brookville Equipment Corporation  
175 Evans Street  
P. O. Box 130  
Brookville, PA 15825

Re: Approval of the Alternate Test Procedure for carbon monoxide (CO) sampling requested for the Cummins 4BTA 3.9C 116 HP diesel engine powering the Brookville Model 18M116D Personnel Carrier

Dear Mr. Schmader:

Article II-A of the Pennsylvania Bituminous Coal Mine Act (Act) establishes the standards and procedures for using diesel-powered equipment in Pennsylvania's underground bituminous coal mines. Section 224-A 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 Department shall not reduce or compromise the level of health and safety protection afforded by Article II-A.

Testing conducted on June 28, 2004, at the Brookville shop verified that the alternate test procedure is required. During the initial test, the equipment did operate for the required five minutes, but the transmission became overheated to an unacceptable level. After repeating the tests, the transmission again overheated. The TAC believes it is not practical for this piece of equipment to be held in a torque stall condition for the required 5 minutes without causing equipment damage. Therefore, the TAC recommended that the Department approve the alternate test procedure for the Brookville Model 18M116D personnel carrier.

Based on the information provided and the TAC recommendation, the Department approves the 90-second alternate test procedure for the Cummins 4BTA 3.9C 116 HP diesel engine and Brookville Model 18M116D Personnel Carrier. The Department approves the TAC recommendations because the alternative method will not reduce or compromise the level of health and safety protection afforded by Article II-A of the Act. A copy of the approved alternate test procedure is included.

Should you have any questions concerning this, please contact me at the above number or e-mail me at jsbaffoni@[state.pa.us](mailto:jsbaffoni@state.pa.us).

Sincerely,

Joseph A. Sbaffoni  
Director  
Bureau of Deep Mine Safety

Enclosure

cc: G. Ellis, PCA  
R. DuBreucq, TAC  
G. Davis, TAC

bcc: M. Bertovich  
D. Smicik  
W. Bookshar  
A. A. Martin  
S. Gaida  
J. Paciga  
W Gardner  
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A. Gaida/TAC and Brookville Files

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