

Fayette County Health Center
100 New Salem Road, Room 167
Uniontown, PA 15401
September 11, 2007

Bureau of Mine Safety

724-439-7469
Fax 724-439-7324

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

RE: **Tentative Approval** of Brookville Equipment Corporation Brookville Model 20T193D 20-Ton Locomotive with a Cummins QSB 6.7 193HP diesel engine and a M30 DST Management System

Dear Mr. Schmader:

This letter acknowledges receipt of an August 31, 2007, letter from Grant Colbert of Cumberland Coal Resources, LP requesting tentative approval to use the Brookville Model 20T193D 20-Ton Locomotive with a Cummins QSB 6.7 193HP diesel engine and a M30 DST Management System at the Cumberland Mine.

The Bureau of Mine Safety (BMS) received a recommendation for temporary approval from the Technical Advisory Committee on Diesel-Powered Equipment (TAC) for the equipment and for the 90-second alternate test procedure. The recommendation included the following stipulations:

- The surface temperature issue surrounding the turbo, which was temporarily remedied by the blanket-type wrap, will only be temporarily accepted until the permanent insulating wrap can be obtained.
- This blanket-type insulating wrap should be replaced with the permanent insulated coated parts as soon as the parts become available. The BMS and TAC should be notified when these permanent parts will be installed and the locomotive taken out of service until the surface temperature can be measured by the BMS and TAC to verify that these coated parts meet the requirements of Section 203-A(b)(3).
- During the period when the locomotive is used with the blanket-type wrap installed, the operator will include the visual inspection of the temporary wrap in his pre-op checks and note the condition of the wrap on his pre-op checklist. If the blanket-type wrap becomes damaged in any way, the operator should take the locomotive out of service, the blanket wrap should be repaired, and the surface temperature in the wrap area should be checked with a heat gun to confirm that the surface temperatures are below 302° F and comply

- with Section 203-A(b)(3). If the surface temperature cannot be maintained below 302° F, the locomotive should remain out of service and the BMS notified of the condition.
- During each 100-hour inspection, the blanket-type wrap should be visually inspected, and the surface temperature in the surrounding area measured with a heat gun to confirm that the surface temperatures are below 302° F. The results of this measurement should be entered in the 100-hour inspection record.

This recommendation is provided with the understanding that the enclosed General Specification Sheet (Attachment 1) be strictly adhered to. As discussed above, we are also granting tentative approval of an alternate test procedure for Sections 217-A and 218-A of the Act.

The TAC has indicated that the Cummins QSB 6.7 193HP diesel engine and a M30 DST Management System in the 20-ton locomotive meets all of the requirements of Section 203-A of Article II-A of the Pennsylvania Bituminous Coal Mine Act provided the stipulations are included and complied with. The TAC's evaluation is enclosed. You must comply with all provisions of your diesel-powered equipment package, including all training requirements.

The next meeting of the TAC will occur on October 10, 2007, at 10 a.m. Final approval of this engine and emission control system and the alternate test procedure is on the agenda for this meeting.

Based on the information provided and the TAC recommendation, the Department *temporarily approves* the Brookville Equipment Corporation Brookville Model 20T193D 20-Ton Locomotive with a Cummins QSB 6.7 193HP diesel engine and a M30 DST Management System. The General Specification Sheet must be strictly complied with. The PA ventilation rate for this engine is 8,500 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
Gramt Colbert, Cumberland

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

JAS/WBB/adg

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