

Fayette County Health Center
100 New Salem Road, Room 167
Uniontown, PA 15401
March 31, 2006

Bureau of Mine Safety

724-439-7469
Fax 724-439-7324

Mr. Buck Lovern
Rohmac, Inc.
P O Box 335
Mt. Storm, WV 26739

Re: **ITEM: ISUZU C240, 52 HP Diesel Package PA Approval Ventilation Rate 3000 cfm**
APSID NO: 580235
APPROVAL OF BOTE-DEES 0037-06

Dear Mr. Lovern:

This letter is a response to the Technical Advisory Committee's ("TAC") recommendation for approval of the Isuzu C240, 52HP diesel engine with a Rohmac Paper Filter Water Cooler (PFWC) exhaust emissions system. The emission system includes a CleanAir Systems Inc., oxidation catalyst, a Rohmac wet bed exhaust cooler, an ENK particulate filter, and an Enardo 803IL spark arrester.

The standards and procedures for using diesel-powered equipment in Pennsylvania's underground bituminous coal mines are established by Article II-A of the Pennsylvania Coal Mine Act (Act). 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 technologies 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 Article II-A.

Based on the information provided and the TAC's recommendation, the Department approves the Isuzu C240 52 HP diesel engine equipped with a Rohmac Paper Filter Water Cooler (PFWC) exhaust emissions system. The high exhaust warning temperature will be set at 185 degrees F with an automatic shutdown of 212 degrees F. The low water level switch will be set to shut down the engine when the water level reaches 3 ½ inches. The General Specifications Sheet dated Jan. 17, 2006 shall be strictly complied with. The Secretary approves the TAC's recommendation with these added stipulations because the alternative method will not reduce or compromise the level of health and safety protection afforded by Article II-A of the Pennsylvania Bituminous Coal Mine Act.

The engine and emission system are assigned approval number BOTE-DEES- 0037-06. The minimum ventilating air quantity for this specific piece of diesel powered equipment is 3000 cfm. This approval number and ventilation rate must be stamped on an approval plate that must be attached to the diesel powered engine and emission system.

If you have any questions on this approval, please contact me at the above telephone number or e-mail me at jsbaffoni@state.pa.us.

Sincerely,

Joseph A. Sbaffoni
Director
Bureau of Mine Safety

Cc TAC
D Walker
A Martin
M McCaffrey
R Ceschini
T Shumaker
S Gaida
S Strange
W Gardner
P Keruskin
W Bookshar
A Gaida