



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF MINE SAFETY

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October 25, 2010

Mr. Jeremy Rohrbaugh
Rohmac, Inc.
PO Box 35
Mt. Storm, WV 26739

Re: Recommendation for Approval of the Rohmac Model D242 diesel power rockduster with a Deutz BF3L2011 engine derated to 34.4 HP @ 2300 rpm with a Rohmac exhaust conditioning system Model DEC1202 and a Clean Air Assure Model CPD0700BCCN20 oxidation catalyst and Clean Air Permit DPM filter Model FUA126W4CN.

Dear Mr. Rohrbaugh:

Chapter 4 of the "Bituminous Coal Mine Safety Act" (the Act) provides for the use of diesel-powered equipment in underground bituminous coal mines. Section 424 of the Act created a Technical Advisory Committee ("TAC") for the purpose of advising the Department regarding the implementation of Chapter 4 and evaluation of alternative technology or methods for meeting the requirements of Chapter 4.

On June 2, 2010, Rohmac submitted a request to the Bureau of Mine Safety (BMS) for approval of the above referenced equipment. On June 14, 2010, the Director of the BMS requested the TAC to evaluate the Rohmac Model D242 diesel powered rockduster and to advise the Department as to whether the referenced equipment meets the requirements of Section 403 of the Act.

On August 3, 2010, the TAC traveled to Rohmac to inspect the equipment at which time the TAC evaluated the engine and exhaust emissions package.

The TAC issued a recommendation to the Bureau on August 20, 2010 recommending approval of the above described diesel power package with the following stipulations. This recommendation was provided with the understanding that the General Specification Sheet (Attachment 1) be strictly adhered to.

Additional TAC stipulations for approval are:

- The 100 hour maintenance checks as required by Section 416 will include cleaning out the mixing box on the exhaust system and the results recorded on the 100 hour maintenance checklist.
- The operator pre-op checks as required by Section 415 will include a visual check to see if the mixing box fan is operating, free of obstructions or accumulations, and the results recorded on the operator's pre-op checklist. Any necessary cleaning or repairs will be done before the equipment is put into operation.

- The unit must be attended during operation as required in Section 401(b) of the Act.
- The stall test procedure will be posted on the unit and all persons required to perform the 100 hour maintenance checks as required by Section 418 will be trained in how to perform the engine stall.
- The minimum quantities of ventilating air must be maintained at all times during operation as required by Section 404 of the Act.

Temporary approval for use of this equipment was granted by the Bureau of Mine Safety on September 2, 2010 in advance of the regularly scheduled TAC meeting on October 13, 2010. The TAC made a recommendation to approve the equipment on October 13, 2010.

If you have any questions regarding this matter, please contact Michael T. McCaffrey at either mmccaffrey@state.pa.us or 724-425-3021.

Sincerely,



Joseph A. Scaffoni
Director
Bureau of Mine Safety

Enclosure

cc: Borchick
Bowersox

MM
JAS:MMC:cd

bcc: Bookshar
Martin
McCaffrey
Antoon
Gaida
File

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Deutz BF3L2011 - cd.doc



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DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF MINE SAFETY

October 15, 2010

Mr. Jeremy Rohrbaugh
Rohmac, Inc.
PO Box 35
Mt. Storm, WV 26739

Re: **ITEM: DIESEL ROCKDUSTER**
MODEL: RD242; VOLTAGE: 12 VDC; HP: 34.4 HP @ 2300 RPM
APSID NO: 721895
APPROVAL NO. BOTE-D 128-10

ENGINE MFG: DUETZ MODEL BF3L2011
EMISSION SYSTEM TYPE: ROHMAC EXHAUST CONDITIONING SYSTEM MODEL 1202 INCLUDING CLEAN AIR SYSTEMS FUA 126W4CN CERAMIC NON-CATALYZED FILTER, CLEAN AIR SYSTEMS CPD0700BCCN20 ASSURE DOC CATALYST, AND AN ENANDO T-803/C-IL-C4C SERIES 7 INLINE FLAME ARRESTOR
BOTE-DEES NO: 129-10 PA VENTILATION RATE: 4500 CFM

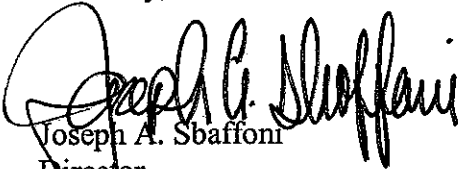
Dear Mr. Rohrbaugh:

We have completed our evaluation of the equipment noted above, and approve its use in all bituminous underground coal mines of Pennsylvania. The equipment meets the legal requirements of the *Pennsylvania Bituminous Coal Mine Act*.

Pennsylvania approval number **BOTE-D 128-10** has been assigned to the equipment. This number must appear conspicuously on the outside of the subject equipment on a **2" x 4"** rust-resistant metal plate, or any other Bureau acceptable material. The approval plate should read "Commonwealth of Pennsylvania" and "Approval No. **BOTE-D 128-10**." The plate and lettering should be resistant to removal by abrasion.

If you want to make changes or alterations on this equipment, a written request outlining the proposed changes, together with any related prints or drawings, must be submitted to this office for approval. If you have any questions, please contact me at the telephone number below.

Sincerely,


Joseph A. Scaffoni
Director
Bureau of Mine Safety