



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF MINE SAFETY

660

September 8, 2010

Jim Manuel  
Safety Mentor  
Consol Energy  
332 Enon Church Road  
West Finley, PA 15377

Dear Mr. Manuel:


This is in response to your letter dated September 3, 2010 requesting temporary approval for underground use of the A. L. Lee Diesel Power Rock Duster Model No. 628RM-D2011LO2i which is equipped with a Deutz D2011LO2i – 30 HP engine and a DST M70 DPM filter. The next Technical Advisory Meeting is scheduled for October 13, 2010 at which time the final approval for this equipment will be recommended by the TAC.

Temporary approval is granted for this equipment to be used prior to the next scheduled TAC meeting with the understanding that the General Specification Sheet be strictly adhered to. Additional TAC stipulations for approval include:

- 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.

It is the responsibility of the mine operator to ensure that the final equipment approval tags are installed on this equipment when they are issued after the October 13, 2010 TAC Meeting.

Sincerely,

  
Joseph A. Scaffoni  
Director  
Bureau of Mine Safety

cc: Ron Bowersox, TAC  
Paul Borchick, TAC

*MTM*  
JAS:MTM:cd

bcc: Martin  
Bookshar  
McCaffrey  
Antoon  
Gaida  
TAC File/Dunn

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Joseph A. Scaffoni  
Director  
Bureau of Mine Safety  
PA DEP  
Fayette County Health Center  
100 New Salem Road, Room 167  
Uniontown, PA 15401

CONSOL PA COAL COMPANY  
BAILEY MINE EXPANSION  
BAILEY CENTRAL PREP PLANT  
332 Enon Church Road  
West Finley, PA 15377  
Fax: 724-663-7159  
Web: [www.consolenergy.com](http://www.consolenergy.com)  
September 3, 2010

Dear Mr. Scaffoni:

As you know we have recently purchased a Diesel Rockduster from A L Lee Corporation. Your agency has inspected the unit and we have made all the required modifications to it. Our final PA approval is pending the TAC meeting in October.

I am requesting permission to take our new Diesel Rockduster underground. We would like to train all our employees on the Duster and observe how it handles on our track. We propose to take it to our rockdust fill chute to check how it would fit at our tank filling location. This would allow us to make any adjustments or modifications necessary to the track or carrier. After the training and track test we would park the unit in the rockdust chute until the approval is finalized.

Your cooperation in this matter would greatly aid in the training of our miners. We would also be able to start to bulk dust our mine immediately upon final approval without delays. If you need any additional information about our request please contact me.

Thank You

Jim Manuel  
Safety Mentor  
Bailey Mine Expansion

Enclosure: Equipment Specifications:

Cc: Byron Payne

## Equipment

Manufacturer	A.L. Lee Corporation
Manufacturer Address	A.L. Lee Corporation Post Office Box 99 Lester, West Virginia 25865
Equipment Model	628RM-D2011L02i ROCKDUSTER
Equipment Serial No.	10-E10515
Pennsylvania Approval (BOTE #)	PENDING

## Engine

Manufacturer	Deutz
Manufacturer Address	3883 STEVE REYNOLDS NORCROSS, GA 30093
Model Number	D2011L02i
Rated Horsepower / RPM	30.2 @ 2800
Max Torque / RPM	66.3 LB-FT@1700
Clean Intake Restriction (H2O)	14" WG
Max Intake Air Restriction (H2O)	18" WG
Max Allowable backpressure (H2O)	20" WG
Low Idle (RPM)	900
High Idle (RPM)	3220
Particulate Index (PI)	2000
MSHA Gaseous Ventilation Rate (CFM)	1500 cfm
Raw DPM	3.26 g/hr

## Engine

MSHA 7E Approval Number	07-ENA040010-0
Est. Ambient Level w/ After Treatment (mg/m3)	0.51
Type of Aspiration	NATURAL
Fuel Delivery System	DIRECT MECHANICAL INJECTION
Est. Untreated CO (PPM)	782.4

## Emissions Control System

Manufacturer	DRY SYSTEMS TECHNOLOGIES
Manufacturer Address	8120 LEMONT RD., SUITE 700, WOODRIDGE, IL 60517
Model No.	M80-233-02
Type of Filter	DISPOSABLE PAPER
Equipment Approval will be accomplished by manufacturer prior to use	