



JAN 19 2010

Mr. Chris Blanchard
President
Performance Coal Company
POB 69
Naoma, WV 25140

Dear Mine Operator:

Subject: Mine Ventilation Plan, Section 75.370, 30 CFR 75, Upper
Big Branch Mine-South, I.D. No. 46-08436, Performance
Coal Company, Montcoal, Raleigh County, West Virginia

This will acknowledge receipt of the ventilation revision dated December 02, 2009, and received by MSHA on December 03, 2009. The revision shows ventilation controls to be installed and removed to show the ventilation scheme to move the #4 Section 062-0/063-0 from Left No. 1 Panel to the No. 16 Panel location. This revision is shown on two (2) Phase portions of the mine map.

This approval is for 1st mining only for No.16 Panel using 100 x 100 foot centers or larger as shown on the submitted stability analysis, after ventilation change to start No.16 Panel a new 14 day baseline must be done for seal sets No.5, No.6, and No.7 per 75.336.

The revision is approved and will become a part of the approved plan for this mine. The approval is limited to the requested changes as described in the submittal. **All ventilation changes will be made in accordance with 30 CFR 75.324.**

Should you have any questions concerning this matter, please contact the Ventilation Department at (304) 877-3900/Ext. 142.

Sincerely,

/s/ ROBERT G. HARDMAN

Robert G. Hardman
District Manager
Coal Mine Safety and Health, District 4

SUPERVISORY ACKNOWLEDGEMENT

RK 1/15/10	
Initials	Date
RM	1/13/10



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Big Branch Mine-South, I.D. No. 46-08436, Performance
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Should you have any questions concerning this matter, please contact the Ventilation Department at (304) 877-3900/Ext. 142.

Sincerely,

A handwritten signature in black ink, which appears to read "Robert G. Hardman", is written over a horizontal line.

Robert G. Hardman
District Manager
Coal Mine Safety and Health, District 4



Performance Coal Company

P.O. Box 69

Naoma, WV

25140

December 2, 2009

Mr. Robert G. Hardman
Mine Safety and Health Administration
100 Bluestone Road
Mount Hope, WV 25880

Re: Performance Coal Company
Upper Big Branch Mine
MSHA ID: 46-08436
State ID: U-3042-92
Ventilation Revision

Dear Sir:

Please find the enclosed ventilation revision for your review and approval. This revision is to move the #4 Section from its current location along the Left No.1 Panel to the No. 16 Panel. This submittal consists of two phases.

Map one shows the current ventilation. This map also includes the controls to be constructed and removed prior to moving the panel from its current location to the No. 16 Panel. Map two shows the ventilation once the section has moved to the No. 16 Panel.

This mine currently has no miner's representative. If you have any questions or comments, feel free to contact me at (304) 854-3516.

Respectfully Submitted,
Performance Coal Company, Inc.

Eric Lilly
Mine Engineer

ARMPS module build: 5.0.46
 Project File: UnTitled
 Input Units: (ft) (psi)

[PROJECT TITLE]
 #4 Section Old Longwall Panel

[PROJECT DESCRIPTION]

[DEVELOPMENT GEOMETRY PARAMETERS]

Entry Height.....6.5 (ft)
 Depth of Cover.....1250 (ft)
 Crosscut Angle.....90 (deg)
 Entry Width.....20 (ft)
 Number of Entries.....7
 Crosscut Spacing.....100 (ft)
 Center to Center Distance #1.....100 (ft)
 Center to Center Distance #2.....100 (ft)
 Center to Center Distance #3.....100 (ft)
 Center to Center Distance #4.....100 (ft)
 Center to Center Distance #5.....100 (ft)
 Center to Center Distance #6.....100 (ft)

[DEFAULT PARAMETERS]

In Situ Coal Strength.....900 (psi)
 Unit Weight of Overburden.....162 (pcf)
 Breadth of AMZ.....176 (ft)
 AMZ set automatically

[RETREAT MINING PARAMETERS]

Loading Condition.....DEVELOPMENT

[ARMPS STABILITY FACTORS]

DEVELOPMENT.....2.08

[DATA ABOUT THE ACTIVE MINING ZONE (AMZ)]

AMZ Width.....600.0 (ft)
 AMZ Breadth.....176.0 (ft)
 AMZ Area.....105600.0 (ft)*(ft)
 Extraction Ratio Within AMZ.....0.36
 Development Load on AMZ.....1.07E+07 (tons)

TOTAL LOADINGS ON AMZ, INCLUDING TRANSFER FROM BARRIERS

LOAD CONDITION	ABUTMENT LOAD (tons)	LTRANSBAR (tons)	LTRANSREM (tons)	TOTAL (tons)
DEVELOPMENT	0.00E+00	0.00E+00	0.00E+00	1.07E+07

R-Factor for front abutment is the percent of the total front abutment load that is applied to the AMZ.

R-Factor for side abutment is the percent of the total side abutment load that is applied to the barrier pillar (the remainder is applied to the AMZ).

LTRANSBAR is the load transferred to the AMZ from the barrier pillar between the side and active gob if the barrier's SF is less than 1.5.

LTRANSREM is the load transferred to the AMZ from the remnant barrier between the side and active gob if the remnant's SF is less than 1.5.

[PILLAR PARAMETERS]

PILLAR	ENTRY CENTER (ft)	MINIMUM DIMENSION (ft)	MAXIMUM DIMENSION (ft)
1	100.00	80.00	80.00
2	100.00	80.00	80.00
3	100.00	80.00	80.00
4	100.00	80.00	80.00
5	100.00	80.00	80.00
6	100.00	80.00	80.00

PILLAR	AREA (ft)*(ft)	STRENGTH (psi)	LOAD-BEARING CAPACITY (tons)
1	6.40E+03	4.56E+03	2.10E+06
2	6.40E+03	4.56E+03	2.10E+06
3	6.40E+03	4.56E+03	2.10E+06
4	6.40E+03	4.56E+03	2.10E+06
5	6.40E+03	4.56E+03	2.10E+06
6	6.40E+03	4.56E+03	2.10E+06

TOTAL LOAD-BEARING CAPACITY OF PILLARS WITHIN AMZ: 2.22E+07 (tons)

To view the distribution of Pillar Load Bearing Capacity
 select 'View Plots->Settings->Pillar Load Bearing Capacity'

[BARRIER PILLAR PARAMETERS]

none

[STRESS ON INDIVIDUAL PILLARS WITHIN THE AMZ]

DEVELOPMENT STRESSES.....2197 (psi)

ARMPS module build: 5.0.46
 Project File: UnTitled
 Input Units: (ft) (psi)

[PROJECT TITLE]
 #4 Section Old Longwall Panel

[PROJECT DESCRIPTION]

[DEVELOPMENT GEOMETRY PARAMETERS]

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Loading Condition.....DEVELOPMENT

[ARMPS STABILITY FACTORS]

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 Development Load on AMZ.....1.07E+07 (tons)

TOTAL LOADINGS ON AMZ, INCLUDING TRANSFER FROM BARRIERS					
LOAD	ABUTMENT	LTRANSBAR	LTRANSREM		TOTAL
CONDITION	LOAD (tons)	(tons)	(tons)		(tons)
DEVELOPMENT	0.00E+00	0.00E+00	0.00E+00		1.07E+07

R-Factor for front abutment is the percent of the total front abutment load that is applied to the AMZ.

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ARMPS module build: 5.0.46
 Project File: Untitled
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[PROJECT DESCRIPTION]

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