U. S. Department of Labor

Mine Safety and Health Administration 100 Bluestone Road Mount Hope, WV 25880-1000



DEC 18 2009

Mr. Chris Blanchard President Performance Coal Company P. O. Box 69 Naoma, WV 25140 Face shellch troute cm redum

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 a revision to the ventilation plan, dated December 14, 2009, and submitted to this office December 16, 2009.

The ventilation revision requests to route a travelable return air course from the active MMU-029 into a common entry with MMU-040; make the #3 headgate entry a common intake air course with the existing primary escapeway; add a regulator to the overcast at the #1 Crossover on Headgate 1 North to allow the belt air to be reversed away from the longwall face; provide dewatering information; and project a future gateroad. A face sketch depicting mining Headgate 2 North with the belt line in #1 entry being ventilated with neutral air is included in the ventilation revision. In addition a face sketch is included depicting the typical longwall face ventilation for the No. 1 North Panel.

This revision is hereby approved and will be made a part of the approved plan for this mine. This approval is limited to the requested change as described in the submittal letter and shown on the attached map of the subject mine. All ventilation changes will be made in accordance with 30 CFR 75.324.

Please note, a second longwall panel will not be possible if the condition of the third entry of the #1 headgate cannot be maintained in adequate condition to comply with the requirements of 30 CFR 75.384. 30 CFR 75.384 requires a travelable tailgate entry for both current and future longwall panels. Additionally, the currently approved ventilation base plan and this revision require isolation of the tailgate entry to

SUPERVISORY ACKNOWN EDGEMENT

PLC 12/18/09

Initials Date

Date

prevent the longwall tailgate travelway from being ventilated with air from the worked out area.

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

Sincerely,

/s/ Richard J. Kline

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

Cc: Mt. Hope Field Office (3 incl.)/ Files/nlc

U.S. Department of Labor

Mine Safety and Health Administration 100 Bluestone Road Mount Hope, WV 25880-1000



DEC 18 2009

Mr. Chris Blanchard President Performance Coal Company P. O. Box 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 a revision to the ventilation plan, dated December 14, 2009, and submitted to this office December 16, 2009.

The ventilation revision requests to route a travelable return air course from the active MMU-029 into a common entry with MMU-040; make the #3 headgate entry a common intake air course with the existing primary escapeway; add a regulator to the overcast at the #1 Crossover on Headgate 1 North to allow the belt air to be reversed away from the longwall face; provide dewatering information; and project a future gateroad. A face sketch depicting mining Headgate 2 North with the belt line in #1 entry being ventilated with neutral air is included in the ventilation revision. In addition a face sketch is included depicting the typical longwall face ventilation for the No. 1 North Panel.

This revision is hereby approved and will be made a part of the approved plan for this mine. This approval is limited to the requested change as described in the submittal letter and shown on the attached map of the subject mine. All ventilation changes will be made in accordance with 30 CFR 75.324.

Please note, a second longwall panel will not be possible if the condition of the third entry of the #1 headgate cannot be maintained in adequate condition to comply with the requirements of 30 CFR 75.384. 30 CFR 75.384 requires a travelable tailgate entry for both current and future longwall panels. Additionally, the currently approved ventilation base plan and this revision require isolation of the tailgate entry to

prevent the longwall tailgate travelway from being ventilated with air from the worked out area.

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

Sincerely,

Robert G. Hardman District Manager

Coal Mine Safety and Health, District 4

Cc: Mt. Hope Field Office (3 incl.)/ Files/nlc



Performance Coal Company

P.O. Box 69

Naoma, WV

25140

December 14, 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 attached a ventilation revision to route the travelable return from the active MMU 029-0 into a common entry with MMU 040-0. This revision will also make the #3 entry of the longwall headgate common with the bleeder air of the longwall. Prior to activation of the longwall section in the second Northern longwall panel, this future tailgate entry will be maintained travelable as required by 75.215 and isolated to comply with 75.334, 75.364(a)(2), and 75.384.

A drawing is attached showing the controls to be removed and installed for this revision. The return off of MMU 029-0 will be routed down the left side of North Glory Mains where it will cross overcasts on Headgate 1 North and be sent up Tailgate 1 North to the return shaft. The previous return entry will be made common with the belt along the #2 Crossover and with the longwall intake along Headgate 1 North. EP-LW1, MP A, and MP@X-Cut36 will now include the #3 entry. A regulator will be added in the overcast at the #1 Crossover on Headgate 1 North. This will allow the belt air to be reversed away from the longwall face. A typical longwall face sketch is included showing this change.

A face sketch is also included showing mining with the #1 entry containing the belt. This scheme will be used to mine Headgate 2 North. Please also find as a part of this revision, the bottom contour elevations in the bleeders of the active longwall. This will also show the dewatering system in place to handle future inflows of water and to keep ventilation uninterrupted.

This revision is limited to the changes shown. All previously approved plan contents will be adhered to. There is currently no miner's representative at the Upper Big Branch Mine. This plan will be posted at the mine office.

Respectfully Submitted,

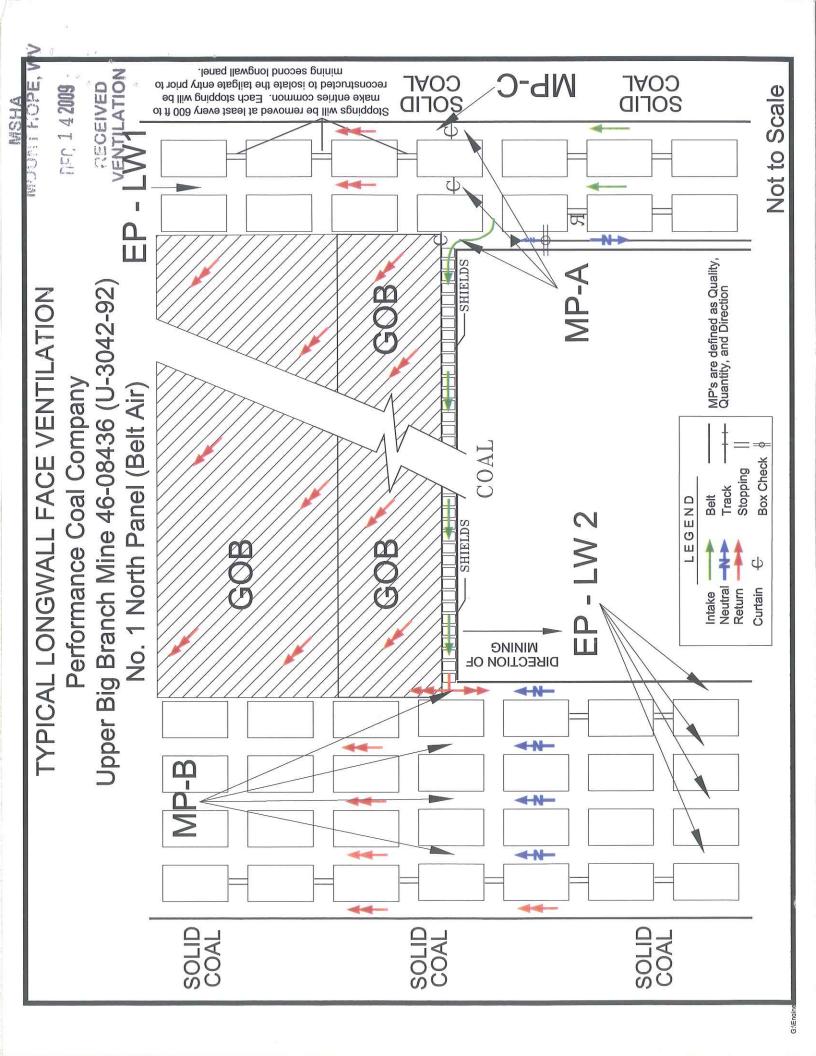
Matthew Walker Mine Engineer

Performance Coal Company

MOUN MOUNT MAY

1. 14 2009

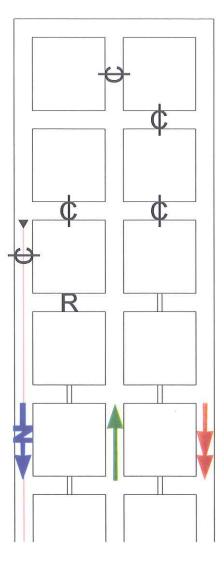
RECEIV..... VENTILATION



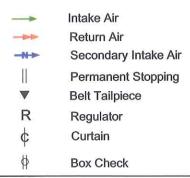
MSHA MOUNT HOPE, WV

1 4 2009

. ECEIVED



- * Where any equipment will run through ventilation controls, they shall be substantially constructed as follows: Fly boards shall be installed rib to rib and fly pads will be installed overlapping so that a double thickness of ventilation material is achieved.
- No shuttle cars will travel through line curtain that is ventilating the face.





Date: 11/30/09

DRAWN BY: Rt. 3 Staff

Gi

PERFORMANCE COAL COMPANY, INC.

UPPER BIG BRANCH MINE

M.S.H.A. ID No. 46-08436 WV ID No. U-3042-92

Date: 11/30/09 SCALE: NA DWG No. 1 of 1

Face Ventilation Typical Gateroad Development

CHECKED BY:

VENTILATION PLAN

Upper Big Branch Mine 46-08436

	inches water	inches water
Total H	0.51516 0.57876 1.20204 1.30204	0.10194 0.48020 0.49652 0.52327
Segment H	0.81 0.51516 0.04 0.06360 0.49 0.62328 0.10000 Additional Head Loss:	0.49 0.10194 0.49 0.37826 0.49 0.01631 0.02675 Xisting Return Loss:
Average Q Qsquared	0.81 0.04 0.49 dditional F	0.49 0.49 0.49 xisting Re
Average Q	90000 20000 70006	70000 70000 70000
Gain or Losses	120000 20000 100000	100000 100000 100000
O end	30000 10000 20000	20000 20000 20000 Overcasts
Area R, 1000 ft Total R Q beginning	150000 30000 120000 Measured-	120000 120000 120000
Total R	0.636 1.59 1.272	0.20805 0.77196 0.03329 65 ft
R, 1000 ft	0.06	0.03 0.12 0.0075 0vercast = (
Area	140	140 140 140 th for C
Distance # Entries	~ ~ ~	35 2 140 0.03 0.2 33 1 140 0.12 0.7 39 4 140 0.0075 0.0 Equivalent Length <i>for</i> Overcast = 65 ft
Distance	10600 10600 10600	6935 6433 4439 Equiv
Mine Segment Headgate:	Intake Neutral Retum Across Face	Existing Retum: Relum Retum Return Overcasts

Total Head Loss: 1.82531 inches water

The above tables show the additional head loss resulting from the mining of the #2 Headgate at Upper Big Branch Mine. The top portion shows the additional head required to maintain necessary quantities of air to operate. After further consultation with Paul's Repair Shop (who designed and manufactured the exhausting fan), it is evident that the exhausting fan in a standalone system would have a reserve of approximately 10 times the capacity of current operation. With the current push-pull ventilation scheme, this reserve would be nearly doubled. Therefore, the 1.3 inches of water is minimal in comparison to the capacity of the ventilation system. The bottom portion shows the head loss though the existing return path, including shock loss from overcasts. The current operating pressure of the blowing fan is 5.5" and the exhausting fan is 4.0". Fan curves for both fans are attached.

MSHA MOUNT HOPE, WV

RECEIVED VENTILATION

APRIL 1

