

APPENDIX AF

**METHANE AND DUST CONTROL - SAFETY
PRECAUTIONS FROM VENTILATION
PLAN**

U. S. Department of Labor

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

UNDERGROUND, MINE FILE
DATE FWD. 6/17/09
INITIALS TW



This acknowledges receipt of the Methane and Dust control Portion of the Ventilation Plan required by Section 75.370 CFR or Respirable Dust Control Plan required by Section 71.300 CFR.

The Plan Dated 12/19/08 is Approved

Mine ID No. General Dust Control Plan MMU Supplements

46-08436 DWP Designated Areas

Mine Name
Upper Big Branch Mine-South

Company Name
Performance Coal Company

Post Office Address of Mine Operator

MSHA
MOUNT HOPE, WV

Mr. Chris Blanchard
P. O. Box 69
Naoma, WV 25140

JUN 17 2009
RECEIVED
MOUNT HOPE FIELD

Remarks

This Methane and Dust Control Plan received 12/19/2008 has been approved and consists of 050-0 MMU Plan.

FIELD MINE FILE
DATE FILED 6/12/09
INITIALS CR

Date

Signature

6/15/2009

Robert D. Hadman

DISTRICT 4 PLAN TRANSMITTAL SHEET

SECTION A: GENERAL INFORMATION

DATE RECEIVED FROM: OPERATOR MAIL OTHER

DATE: 12/19/08 RECEIVED BY: RAC

S Plan Tracking No.

PLAN TYPE: 050-0 MMU PLAN

COMPANY NAME: PERFORMANCE COAL COMPANY

MINE NAME: UPPER BIG BRANCH MINE-SOUTH

I.D. NO: 46-08436

FIELD OFFICE: Mt. Hope Mt. Carbon Summersville Princeton Pineville Madison Logan

PLAN SUMMARY / COMMENTS

SECTION B: ON-SITE REVIEW (IF APPLICABLE)

ON-SITE REVIEW CONDUCTED: YES, NO

DATE OF REVIEW: _____

METHANE LIBERATION RATE (IF APPLICABLE): _____ CFD DATE OF SAMPLE: _____

COMMENTS: _____

• COMMENTS RECEIVED FROM MINER'S REPRESENTATIVE? YES NO NO REPRESENTATIVE

(See reverse)

SECTION C: PLAN COORDINATION and REVIEW

PLAN COORDINATED WITH (WHEN APPLICABLE): Please date and initial

ADM FOR ENF L Selfe 6/15/09 FO SUPV with 6/10/09 CMI ASSIGNED TO MINE _____

HEALTH _____ VENT _____ ROOF _____ TRAINING _____

STATE _____ TECH SUPPORT _____ OTHER _____

COMMENTS: _____

SECTION D: DISTRICT REVIEW

DISTRICT SPECIALIST: DATE REVIEWED: 6-9-09 INITIALS: CW

RECOMMENDATION: APPROVAL DISAPPROVAL ACKNOWLEDGEMENT WAIVER GRANTED WAIVER DENIED FWD TO TS CONCUR WITH STATE OTHER

SPECIALIST SUPERVISOR: DATE REVIEWED: 6/9/09 INITIALS: O.M.

RECOMMENDATION: APPROVAL DISAPPROVAL ACKNOWLEDGEMENT WAIVER GRANTED WAIVER DENIED FWD TO TS CONCUR WITH STATE OTHER

ASSISTANT DM (TECHNICAL): DATE REVIEWED: 6/10/09 INITIALS: RK

RECOMMENDATION: APPROVAL DISAPPROVAL ACKNOWLEDGEMENT WAIVER GRANTED WAIVER DENIED FWD TO TS CONCUR WITH STATE OTHER

DISTRICT MANAGER: DATE: _____ INITIALS: _____

APPROVED DISAPPROVED ACKNOWLEDGED WAIVER GRANTED WAIVER DENIED FWD TO TS CONCUR WITH STATE OTHER

SECTION E: DISTRIBUTION OF APPROVED PLANS

NOTE: FIELD OFFICE - RETURN ORIGINAL TRANSMITTAL SHEET TO ENGINEERING SERVICES

TRACKING DATES (IF APPLICABLE): MSIS: 1 SCANNED _____ UMF _____

(In -- out)

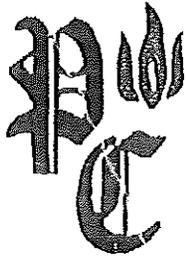
PROVIDED TO OPERATOR & DISTRICT FILE: DATE: _____ INITIALS: _____

NOTIFICATION OF APPROVAL:

ASSISTANT DM (ENFORCEMENT) NOTIFIED BY - INITIALS: _____ DATE: _____ PHONE EMAIL IN PERSON

FIELD OFFICE SUPERVISOR NOTIFIED BY - INITIALS: _____ DATE: _____ PHONE EMAIL IN PERSON

INSPECTOR NOTIFIED BY - INITIALS: _____ DATE: _____ PHONE EMAIL IN PERSON



Performance Coal Company

P.O. Box 69

Naoma, WV

25140

May 28, 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
MMU 050-0 Submittal

Dear Sir:

Please find the enclosed MMU plan for the Upper Big Branch Mine for your review and approval. This revision is for the addition of a longwall mining unit.

This mine currently has no miner's representative. This plan will be posted on the board at the mine at time of submittal. 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

MSHA
MOUNTAIN VIEW, WV
MAY 28 2009

SECTION SPECIFIC METHANE DUST CONTROL PLAN

DATE: 5-28-2009

Mine: Upper Big Branch

MINE ID: 46-08436

MMU No.: 050-0

SECTION NAME: LW Unit #1

SEAM NAME: Eagle Seam

METHOD OF MINING: Continuous () Longwall (X) Other ()

a. Make and Model of Mining Equipment: Joy 7LS Shearer

b. Mining Height - Estimated 68" to 84"

c. Type Water Spray System: Pressure Spray Nozzle

d. Number of Sprays: 109 Minimum Operating PSI: 90psi at Spray Block

e. Location, angle and type of sprays: (See attached sketch)

f. Remote Control (X) Yes () No If Yes, Type: Radio or cable remote may be operated from umbilical cord if radio remote becomes inoperative.

g. Jacks are typically operated through automatic functions.

h. Minimum operating PSI for crusher sprays: 60 psi

SCRUBBER SYSTEM

N/A

ROOF BOLTER

N/A

FACE VENTILATION

a. Volume of air at intake to longwall: 40,000 CFM

b. (1) Location on intake end of longwall where velocity is measured 50 ft off headgate at shield #9
Minimum velocity: 400 LFM

(2) Location on tail of longwall where velocity is measured 100 ft off tailgate at shield #160
Minimum velocity: 250 LFM

Safety Precautions

1. All persons working on the longwall production will be trained on the contents of the methane / dust control plan and limiting their dust exposure.
2. Deflector curtain will be maintained at all time when mining (see drawing) on intake side of the Longwall to maximize air velocities to the face.
3. All members in the face will be offered the use of Air Stream helmets:
Maintenance for Air Stream Helmets as follows
 - a) Battery packs shall be charged in accordance with manufacturers recommendations.
 - b) Trained persons shall clean the units each shift
 - c) Filters for each unit used shall be replaced each shift. Extra filters and batteries for each type of unit shall be stored on the section.
 - d) Only manufacturers recommended battery packs shall be used.
 - e) Trained persons on each shift shall perform a pre-operational inspection on each unit to be used. Damaged or missing components shall be repaired/replaced prior to placing the unit in service.
 - f) A copy of the instruction/maintenance manual for each type of unit in use shall be kept in the mine office.
4. When cutouts at the headgate are made, the shear operator and jacksetters will locate themselves on the intake side utilizing the remote control.
5. Approved respirators will be maintained in accordance to the manufacturer's specifications. Filter type respirators will be changed prior to the start of each shift and as necessary during that shift. Additional respirators and filters will be kept on the section.
6. Shields will be washed weekly to prevent accumulation of dust. No one will be allowed to be within six shields during the cleaning process.
7. Two (2) sprays will be installed on the canopy tips of every 20 shields, to be manually activated, to control dust during mining operations.
8. During cutting operations, no person shall be inby or downwind of the shear carriage when cutting.

Exceptions*:

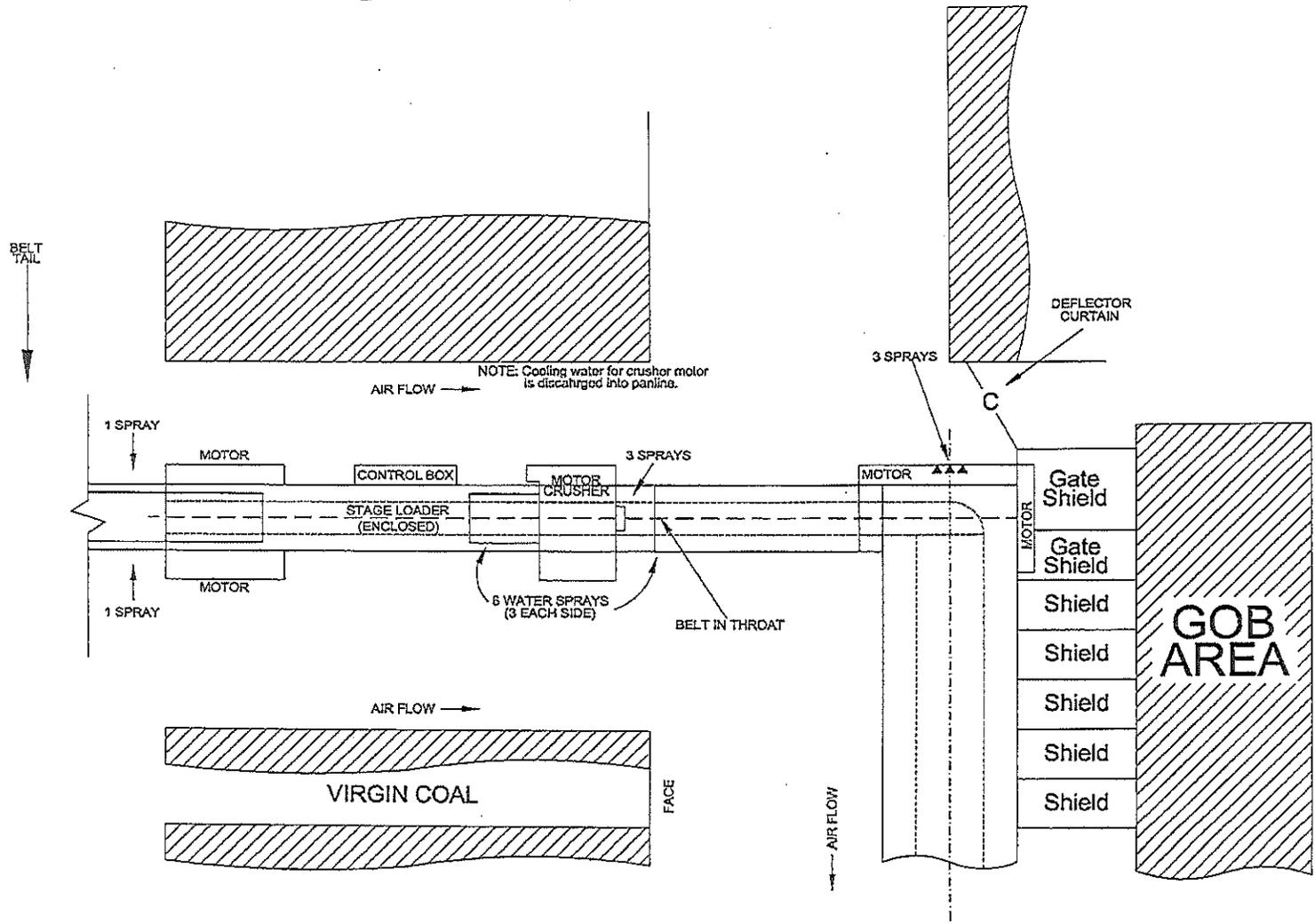
Supervisors making examinations or correcting hazards.

Electrician/Mechanic making examinations or minor repairs.

*Limited to 30 minutes with the use of an approved respirator.

Performance Coal Company, Inc. Upper Big Branch Mine (MSHA ID: 46-08436) Headgate Layout MMU 050-0

03-2909

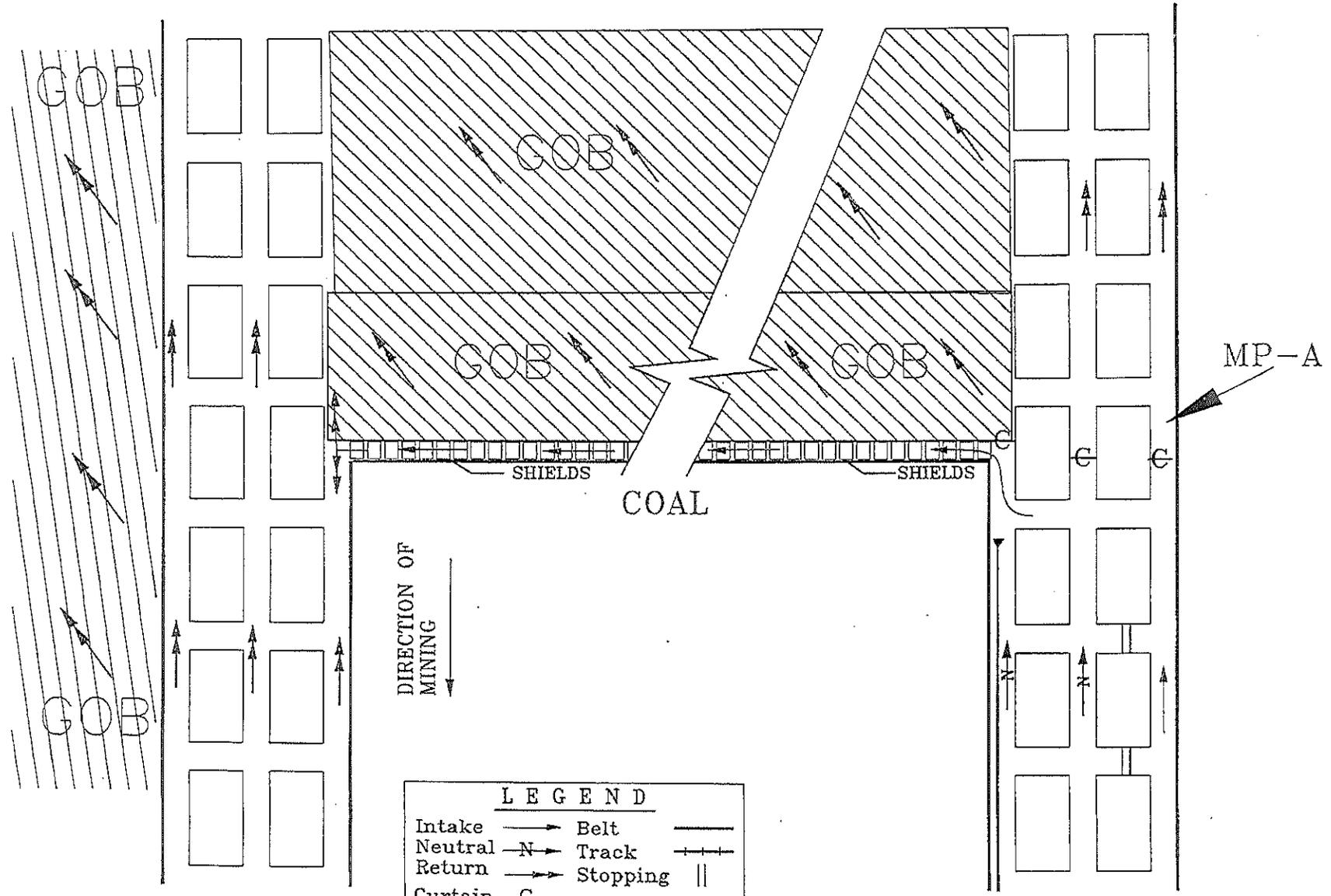


NOTE: RIGHT HAND FACE SHOWN, MIRROR IMAGE MAY APPLY

NOT TO SCALE

TYPICAL LONGWALL FACE VENTILATION
 Performance Coal Company
 Upper Big Branch Mine 46-08436 (U-3042-92)
 Active Longwall Face Plan (Belt Air)

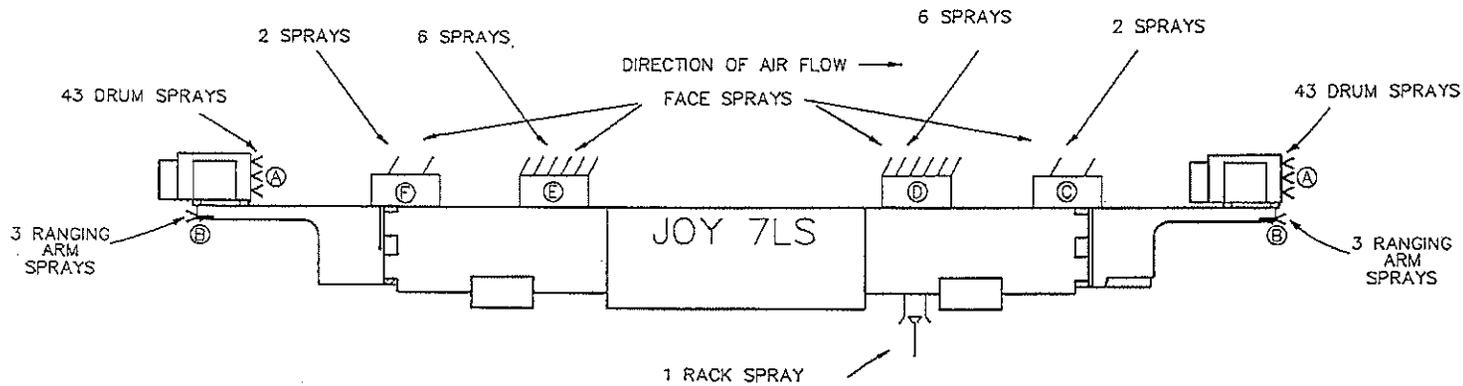
FIG. 1



LEGEND			
Intake	→	Belt	——
Neutral	-N→	Track	++++
Return	→	Stopping	
Curtain	⊕		

Not to Scale

Performance Coal Company, Inc.
 Upper Big Branch Mine
 Spray Location Drawing



Sprays on shear are spraying to direct dust with air flow drum and air sprays.
 109 Conflow stapleslock650 2801CC or equivalent sprays.

- A - Drum Spray
- B - Wrap Around Spray
- C - Spray Block
- D - Spray Block
- E - Spray Block
- F - Spray Block

Not To Scale

