APPENDIX AF

METHANE AND DUST CONTROL - SAFETY PRECAUTIONS FROM VENTILATION PLAN
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
Mr. Chris Blanchard
P. O. Box 69
Naoma, WV 25140

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

Date
6/15/2009

Signature
Robert D. Hardman
### SECTION A: GENERAL INFORMATION

- **DATE RECEIVED FROM:** [ ] OPERATOR  [ ] MAIL  [ ] OTHER  
- **DATE:** 12/19/08 RECEIVED BY: RAC

- **Plan Tracking No.**
- **Plan Type:** 050-0 MMU PLAN
- **Company Name:** PERFORMANCE COAL COMPANY
- **Mine Name:** UPPER BIG BRANCH MINE-SOUTH

### SECTION B: ON-SITE REVIEW (IF APPLICABLE)

- **On-Site Review Conducted:** [ ] YES  [ ] NO
- **Date of Review:**
- **Methane Liberation Rate (If Applicable):**
- **Comments:**

### SECTION C: PLAN COORDINATION AND REVIEW

- **Plan Coordinated with (When Applicable):**
  - [ ] ADM FOR ENF  [ ] FO SUPV
  - [ ] CMF Assigned To Mine  
  - [ ] Health  [ ] Vent  [ ] ROOF  [ ] Training  
  - [ ] State  [ ] Tech Support  [ ] Other

### SECTION D: DISTRICT REVIEW

- **District Specialist:**
  - Date Reviewed: 6-10-09  Initials: CCW
  - Recommendation: [ ] Approval  [ ] Disapproval  [ ] Acknowledged  [ ] Waiver Granted  [ ] Waiver Denied  [ ] FWD To TS  [ ] CONCUR With State  [ ] Other

- **Specialist Supervisor:**
  - Date Reviewed: 6-10-09  Initials: CRH
  - Recommendation: [ ] Approval  [ ] Disapproval  [ ] Acknowledged  [ ] Waiver Granted  [ ] Waiver Denied  [ ] FWD To TS  [ ] CONCUR With State  [ ] Other

- **Assistant CM (Technical):**
  - Date Reviewed: 6-10-09  Initials: CK
  - Recommendation: [ ] Approval  [ ] Disapproval  [ ] Acknowledged  [ ] Waiver Granted  [ ] Waiver Denied  [ ] FWD To TS  [ ] CONCUR With State  [ ] Other

### SECTION E: DISTRIBUTION OF APPROVED PLANS

- **Tracking Dates (If Applicable):**
- **MSIS:** /  SCANNED / UMF
- **(In -- Out):**

### FIELD OFFICE - RETURN ORIGINAL TRANSMITTING SHEET TO ENGINEERING SERVICES

- **Notification of Approval:**
  - Assistant CM (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
Mr. Robert G. Hardman  
Mine Safety and Health Administration  
100 Bluestone Road  
Mount Hope, WV 25880

May 28, 2009

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
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

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)

Not to Scale
Sprays on shear are spraying to direct dust with ariflow 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