**2014 Post # 6 Pre-shift Contest**

Good morning, I am \_\_\_\_\_\_\_\_\_\_\_\_ and this is \_\_\_\_\_\_\_\_\_\_\_, we will be your judges today. It is Monday morning and you are the pre-shift examiner for the Moundsville Mine. Moundsville Mine is a 2 unit mine that utilizes 1 continuous miner, 1 dual boom roof bolter, 1battery power scoop and 2 shuttle cars on each section. You are to conduct the pre-shift examination on MMU 001 section for the oncoming day shift production crew. The 001 section is developing panels for a new longwall that is expected to be in production this year. The 001 section last produced coal on evening shift Friday, and has had maintenance personal on this section all weekend.

Number 1 entry is the belt line and secondary escapeway.

Number 2 entry is the intake, travelway, and primary escapeway.

Number 3 entry is the return.

Please bring your report to the surface as soon as you have completed your examination. All outby areas are being examined by other certified persons. There is an EMT on the surface if you should need him. The mine is maintained at 66 inches of maximum height in all mined areas. You will have five (5) minutes to study the map, roof control plan and ventilation plan that you are about to receive.

Good Luck

**2014 Post # 6 Pre-shift Contest**

**Roof Control Plan**

48” (inches) fully grouted bolts installed in entries and crosscuts

As the primary bolt

Test holes are to be drilled 24” (inches) above the length of the primary bolt.

All mined places must be bolted within 24 hours

The last row of bolts must be marked with a reflective sign

Bolt spacing is 4 foot advance, 4 foot wide to within 4 feet of the working face

Cuts must not exceed a depth of 20 feet

Entries and crosscuts must not exceed 20 feet wide

**2014 Post # 6 Pre-shift Contest**

**Ventilation Plan**

Air quantity maintained in the last open crosscut shall be at least 18,000 CFM.

Exhaust face ventilation shall be used

Maintain at least 18,000 CFM Intake Air course to first open cross cut adjacent to loading point

Air quantity at each AMS station shall be at least 100 feet per minute

Shall maintain at least 300 CFM through the battery charging station

Belt air shall travel outby

**Contestant’s Map MMU 001**

Fireboss Station

Mine Phone

X X

D

D

**# 3 Entry**

**# 2 Entry**

**# 1 Entry**

Air Reading

19 ft. X 5 ft.X 340 fpm

10 lb. Fire Extinguisher

X

X

SCSR CACHE

X

C

C

Face

Mine Phone

Closed

X X X XX

**D**

Closed

Fireboss Station

Hung escapeway lifeline

**D**

X  **X**

Mine Phone

X

X

Laying On ground Reflective Sign

“LAST ROW of BOLTS”

Reflective Sign Hung

“LAST ROW of BOLTS”

X

Laying On ground a Reflective Sign

“LAST ROW of BOLTS”

of BOLTS”

X

Line curtain

Block out of stopping

Battery Scoop **on** **charger**

X

0.4% CH4

20.2% O2

Scoop Battery Charger #1

Test Hole

60inches deep

X

0.5% CH4

20.1% O2

Last row of bolts 25 ft. from Face Not Bolted

0.4 % CH4

20.8% O2

X

Face

0.4% CH4

20.8% O2

Last Row of Bolts 5 ft. from face

Hung Line Curtain

Face

Continuous

Miner #140

Air Reading

19 ft. X 5 ft.

235 fpm

Air Reading

19 ft. X 5 ft.

100 fpm

AMS

Belt

Tailpiece

Coal Spill 12” deep 48” wide & 60” long

X

X

X

LC

X

X

X

Roof Bolter # 540

Shuttle car 435

No fire extinguisher

Shuttle car 434

**X**

X

Feeder # 3

R

Air Reading

0.75 ft. X 1.33 ft X 360 FPM

**C**

Belt check

0.4% CH4

20.1% O2

Hung unguarded high voltage cable

**Energized Power Center**

Miner#140 breaker (OFF) Shuttle car brk. (OFF)

Bolter#540 Breaker (**OFF**)Shuttle car # brk. (OFF)

**Scoop Battery Charger # 1 breaker (OFF)**

**2014 Post # 6 Pre-shift Contest**

**Judges Check Off List**

**Fireboss Station National Pre-Shift Rule**

**Start the Clock Rule # 1**

**Check in Rule # 1**

**Check out Rule # 1**

**Stop the Clock Rule # 1**

**Check Gas Detectors Rule # 19**

**Check SCSR Rule # 3**

**All required equipment Rule # 2**

**# 1 Entry**

**Visual Roof and Rib Rule # 10**

**Gas test at beltline Rule # 5**

**DTI at beltline (Note this may be done at coal spill) Rule #4**

**Air Reading at AMS Rule # 7**

**Check Mine Phone Rule # 19**

**Coal Spill at tailpiece D/O (gas maybe done here) Rule #11 & #12**

**Gas test at last row of bolts Rule # 5**

**DTI at last row of bolts Rule # 4**

**Danger off last row of bolts Rule # 11& #12**

**5 feet from the face Rule # 11& #12**

**2014 Post # 6 Pre-shift Contest**

**Judges Check Off List**

# 2 Entry National Pre-shift Rule

Check the Mine phone # 19

Visual roof & rib Exam # 10

Gas test travelway # 5

DTI travelway # 4

**The Hung High voltage cable (unguarded**) # 11

**Statement says mined height max. of 60”**

**Hung high voltage cable cannot be at 6-1/2 ft.**

**As in 30 CFR 75.807**

**Circuit breakers not identified for shuttle # 11 # # 12 (dangering off hazardous condition**

**Cars at power center(434 & 435) considered corrective action) 30 CFR 75.904** Gas test at power center # 5

DTI at power center # 4

Intake air reading X-cut 2 to 1 # 9

Gas test at scoop charger # 5

DTI at scoop charger # 4

Check regulator airflow # 7

**No fire extinguisher at Scoop Charger Stat.** # 11

Install fire extinguisher # 12

Gas test at last row of bolts # 5

DTI at last row of bolts # 4

Danger last row 5 feet from face # 11 & # 12

Air reading LOB X-cut #2 to #3 # 7

**2014 Post # 6 Pre-shift Contest**

**Judges Check Off List**

# 3 Entry National Pre Shift Rule

Gas test in # 3 entry # 5

DTI in # 3 entry # 4

Visual Roof and Rib exam in # 3 entry #10

Danger not bolted # 11 & # 12 identify& corrective

Danger sign at last row of bolts # 11 & # 12 identify& corrective

Danger unbolted 24 hours # 11

Gas test at last row of bolts # 5

DTI at last row of bolts # 4

Hang line curtain to last row of bolts **# 11& # 12** identify& corrective

Check test hole in last intersect in # 3 **# 11& #12 (violation of roof control plan)**

**Judges Map**

Air Reading

19 ft. X 5 ft.X 340 fpm

10 lb. Fire Extinguisher

X

X

SCSR CACHE

X

C

C

Face

Mine Phone

Closed

X X X XX

**D**

Closed

Fireboss Station

Hung escapeway lifeline

**D**

X  **X**

Mine Phone

X

0.4% CH4

20.1% O2

X

Laying On ground Reflective Sign

“LAST ROW of BOLTS”

Reflective Sign Hung

“LAST ROW of BOLTS”

X

Laying On ground a Reflective Sign

“LAST ROW of BOLTS”

of BOLTS”

X

Line curtain

Block out of stopping

Battery Scoop **on** **charge**

0.4% CH4

20.2% O2

Scoop Battery Charger

Test Hole

60inches deep

X

0.5% CH4

20.1% O2

Roof Bolter

Last row of bolts 25 ft. from Face Not Bolted

0.4 % CH4

20.8% O2

X

Face

0.4% CH4

20.8% O2

Last Row of Bolts 5 ft. from face

Hung Line Curtain

Face

Continuous

Miner

Air Reading

19 ft. X 5 ft.

235 fpm

Air Reading

19 ft. X 5 ft.

100 fpm

AMS

Belt

Tailpiece

Coal Spill 12” deep 24” wide & 60” long

X

X

X

LC

X

X

X

**Danger Off**

**G.T. -DTI -R.E.**

**G.T. -DTI -R.E.**

**Hang sign**

**Hang Line Curtain**

**G.T. -DTI -R.E.**

**Danger Off**

Shuttle car 435

**No fire extinguisher**

Shuttle car434

**Put 10 lb fire extinguisher here**

**X**

**G.T. -DTI -R.E.**

Feeder #3

**Check Phone**

**Operation**

R

X

**Danger Off Spill**

Air Reading

0.75 ft. X 1.33 ft.

360 FPM

**G.T. -DTI**

**G.T. -DTI -R.E.**

**Check Phone**

**Operation**

**G.T. -DTI -R.E.**

**G.T. -DTI -R.E.**

**G.T. -DTI -R.E.**

Both shuttle car breakers improperly Identified not marked (434 & 435)

**Energized Power Center**

Miner#140 breaker (OFF) Shuttle car brk. (OFF)

Bolter #540 Breaker (OFF)Shuttle car brk. (OFF)

**Scoop Charger breaker (OFF) Feeder Breaker # 3**

High votlage cable not guarded not 6-1/2 ft. high

**Legend; (GT)Gas Test (DTI) Dates/Time/Initials (RE) Roof Exam**

**PRE-SHIFT-CERTIFIED EXAMINER’S REPORT**

**Use Indelible Pencil or Ink Report Shall Be Signed When Finished**

Date of Examination:\_\_\_\_\_\_\_\_\_\_\_\_\_ Time From: \_\_\_\_\_\_AM/PM To: \_\_\_\_\_\_\_\_AM/PM

Section/Area\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Report Outside? Yes \_\_ No \_\_ Time: \_\_\_\_\_\_ AM/PM

Reported By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Received By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(INITIAL)

(Authorized Person)

**Pre-Shift required within 3 hours prior to any 8 hour interval**

Location Hazardous Condition Action Taken

**Air Measurements**

**Location CFM Location CFM**

**Remarks:**

**Signed by Pre- Shift Examiner Date Certification Number**

**PRE-SHIFT-CERTIFIED EXAMINER’S REPORT**

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Reported By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Received By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(INITIAL)

(Authorized Person)

**Pre-Shift required within 3 hours prior to any 8 hour interval**

Location Hazardous Condition Action Taken

**Air Measurements**

**Location CFM Location CFM**

**Remarks:**

**Signed by Pre- Shift Examiner Date Certification Number**

**Judge’s Copy**

**PRE-SHIFT-CERTIFIED EXAMINER’S REPORT**

**Use Indelible Pencil or Ink Report Shall Be Signed When Finished**

Date of Examination:\_\_\_\_\_\_\_\_\_\_\_\_\_ Time From: \_\_\_\_\_\_AM/PM To: \_\_\_\_\_\_\_\_AM/PM

Section/Area\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Report Outside? Yes \_\_ No \_\_ Time: \_\_\_\_\_\_ AM/PM

Reported By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Received By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(INITIAL)

(Authorized Person)

**Pre-Shift required within 3 hours prior to any 8 hour interval**

Location Hazardous Condition Action Taken

**# 1 entry at Belt Tail Coal Spill 12” deep 24” wide 60” long (30 CFR 75.400) Danger Off**

**# 1 entry at Face in # 1 No Reflective sign hung(30 CFR 75.221)(Roof Con. Plan) Hang Reflective Sign**

**# 1 Entry at face Last Row of bolts 5 ft. from face (Roof Control Plan) Danger Off**

**# 1 Entry at face in # 1 Place not bolted to within 4 ft of face within 24 hr. Danger Off**

**# 2 Entry at Power Center Unguarded Highline 30 CFR 75.807 not 6-1/2’ high Danger Off**

**# 2 entry at Scoop Charger No 10 lb. fire extinguisher 30 CFR 75.363 a Put fire extinguisher at scoop chr.**

**.**

**# 2 entry at face last row of bolts 5 ft. from face 30 CFR 75.360 b/ Roof Con.Pl. Danger Off**

**# 2 entry at face place not bolted within 24 hrs. (Roof Control plan) Danger Off**

**#3 entry at pwr. center circuit breakers for shuttle cars not properly marked DANGER OFF 30 CFR 30.904**

**# 3 entry C intersection no line curtain 30 CFR 75.325 b Move line curtain and hung**

**# 3 entry C intersection Test Hole not drilled 24” above length of Primary Bolt (75.204) Danger Off**

**# 3 entry inby C intersection No reflective Sign Hung (30 CFR 75.208/75.360b) Danger Off**

**# 3 entry inby C line** **Cut exceed 20 feet (30 CFR 360b/ Roof Control Plan) Danger Off**

# 3 entry inby C line **Not bolted within 24 hrs. (30 CFR 360b/ Roof Control Plan Danger Off “Hang Sign”**

**Air Measurements**

**Location CFM Location CFM**

**Intake inby last permanent stopping 32,300CFM LOB in C line (Return) 22,325 CFM**

**Can be in # 2 entry or x-cut 2to 1 b line**

**# 1 entry on beltline at AMS 9,500 CFM**

**X-cut 2 to 3 in B-line at Regulator at Ch. Sta. 349 CFM**

**Remarks:**

**Signed by Pre- Shift Examiner Date Certification Number**