

CONTESTANT STATEMENT

You have been assigned to do a pre-shift examination of an outby drive and belt area. This belt is operated on production shifts for a section located inby and 9 miners are working on that section. The inspection is to include all entries #1 through #3 up to the box check, regulator and stop placard. Entries average 18 to 20-feet wide by 6 to 8-feet high. The mine has a history of some methane. Energizing / de-energizing equipment is handled through switches. All actions must be verbalized to the Judges. Gas readings and air readings will be handled through the Judges.

VENTILATION PLAN

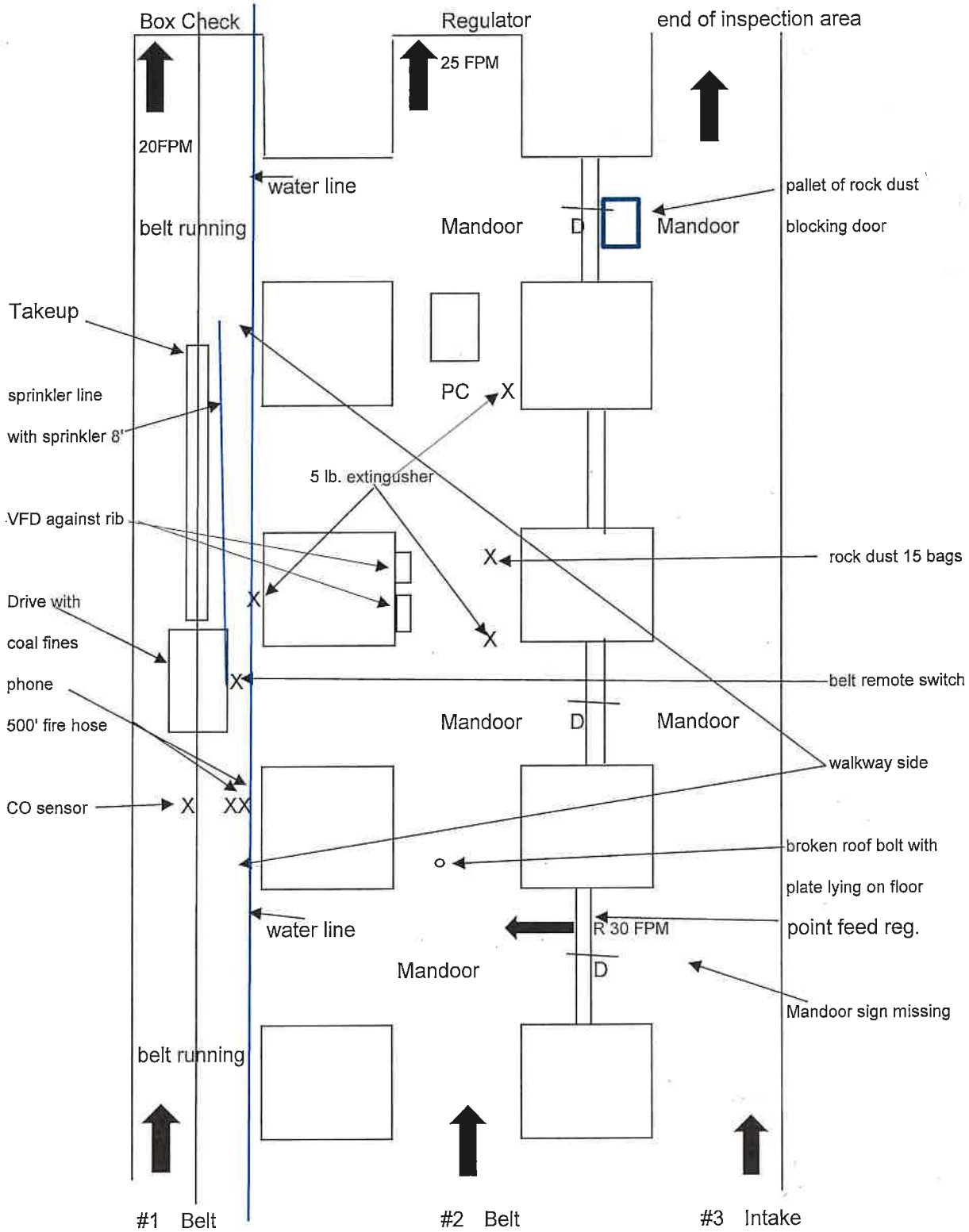
1. Ventilation devices shall be maintained to within 5 feet of the face and to the last row of supports for mined faces.
2. When an auxiliary fan is operating and the ventilation tubing is routed through the crosscut immediately outby the last open crosscut, compliance with the last open crosscut ventilating requirement will be met if the sum of the air quantities in the vent tube and last two open crosscuts exceeds the quantity specified below.
3. Permanent ventilation (stoppings) shall be maintained up to and including the third connecting crosscut. Stoppings shall be installed between intake and belt prior to start of mining.
4. Ambient Carbon Monoxide is 5 PPM.
5. AMS sensor on 1000 foot spacing.

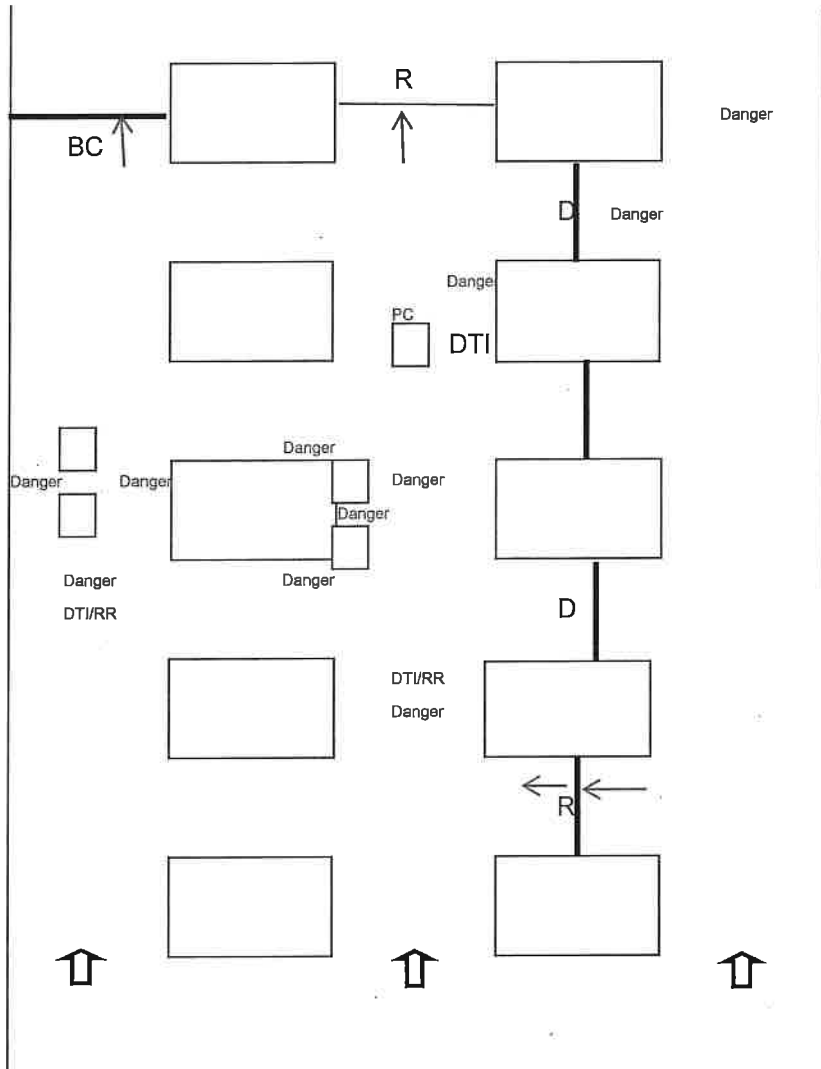
6. Air Quantities Required

Working Face	10,000 CFM
Idle Face	3,000 CFM
Bolting Face	3,000 CFM
Last Open Crosscut	22,000 CFM
Pillar Line	22,000 CFM
Shops	12,000 CFM
Sumps	3000 CFM

Roof Control Plan

1. The Roof Control Plan requires 5-foot fully grouted resin bolts to be installed on 4-foot by 4-foot centers, with a minimum of 4 bolts per row.
2. Roof bolts are required to be installed to within 4 feet of the face.
3. The depth of mining cuts shall not exceed 20 feet as measured from the last row of permanent supports.
4. Faces shall be bolted within 24 hours of mining; except during equipment (roof bolter) breakdowns. Upon completion of repairs, bolting of unsupported faces shall immediately begin.
7. Unsupported warning indicator to be hung on last row.





PRICE, UTAH – PRE-SHIFT CONTEST – 2017

CONTESTANT: _____ WORKING No.: _____

JUDGES INSTRUCTIONS

1. Show contestant time clock and check in/out board and the extent of problem working area. Contestant only has to hang tag on board and does not have to sign and date board.
2. Contestant must provide own distance measuring device, tool apron, blank index cards (additional index cards will be in packet), pen/pencil, paper, clip board, anemometer, watch, roof testing device, and detector.
3. Contestant will be taken to staging area and given the blank mine map, statement, and ventilation and roof control plans. Contestant has **10 minutes** to review these and make any notes. The mine map, statement, notes if any and mine plans will be collected by contest judge. **THE Mine Map, Statement, Notes if any, and Mine Plans will be returned to the Contestant when they arrive at field to start the Problem.**
4. Contestant has **2 minutes** after arriving at field to set out equipment.
5. Contestants have **30 minutes** after starting clock to complete the problem. Judges will notify contestant when **5 minute** is left.
6. Don't take contestant back on field after clock is stopped & **don't discuss discounts.**

JUDGING INFORMATION

OUTSIDE

CHECK IF DONE

START CLOCK... Rule #1	_____
CHECK IN..... Rule #1	_____
CHECK SCSR..... Rule #3	_____
(Following items as per Rule #2)	
CHECK GAS DETECTOR (Must be left on during problem).....	_____
CHECK IF CONTESTANT HAS REQUIRED EQUIPMENT	
SAFETY CAP.....	_____
SAFETY BOOTS (not shoes).....	_____
MINING BELT w/ID TAG THAT MATCHES CHECK-IN TAG.....	_____
MSHA APPROVED CAP LIGHT (must work but can be left off)....	_____
SCSR.....	_____
ANEMOMETER.....	_____
WATCH.....	_____
MSHA APPROVED GAS DETECTOR (must be left on).....	_____
ROOF TESTING DEVICE.....	_____
DISTANCE MEASURING DEVICE.....	_____
TOOL APRON (Not required).....	_____
BLANK INDEX CARDS.....	_____
PEN/PENCIL/MARKER.....	_____

JUDGING INFORMATION

GAS TESTS & DTI's (Rule 4, 5 and 6)

	TEST MADE	TEST	DTI
No. 1 Entry (anywhere in entry 2 locations inby shaft).....	_____	_____	
No. 2 Entry (anywhere in entry).....	_____	_____	
No. 3 Entry (anywhere in entry).....	_____	_____	
No. 2 Power Center.....	_____	_____	
No. 3 Belt Drive.....	_____	_____	

ROOF TESTS (verbally state visual exam in each entry) **Rule 10** TEST MADE

No. 1 Entry	_____
No. 2 Entry.....	_____
No. 3 Entry.....	_____

HAZARDOUS CONDITIONS (verbally identify)

IDENTIFIED

No. 1 Entry

(75.1103-4) CO Sensor wrong location (DTI and report)	_____
(75.400) Accumulation at Belt Drive (DTI and Report).....	_____
(75.1101-9) No fire outlet for Drive (DTI and Report).....	_____

No. 2 Entry

(75.1101-7) No sprinkler over Belt controls (DTI and Report).....	_____
(75.1107) Belts controls tight to rib no 2 feet clearance (DTI and Report).	_____
(75.1100) 5 lb. extinguishers where 10 lb. needed 3 places (DTI and Report)	_____
Broken roof bolt lying on floor (DTI and Report).....	_____

No. 3 Entry

(75.333) Pallet of Dust blocking door (DTI and Report).....	_____
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Low air through the belt area only 45 FPM (DTI and Report).....

AIR READING (taken for one minute at the point feed regulator and the regulator end of #2 entry, provide individual with **30 FPM of air flow at point feed regulator** and **25 FPM at entry #2 regulator**. The area of 3 feet by 1 foot for both regulators. This is the only information to provide. The contestant should observe that the air into the point feed and the air exiting the entry #2 regulator plus the air given to them in the problem exiting at the box check is not enough air of 50 FPM, **they should only calculate 45 FPM.**

NOTES:

1. Must take air readings for **60 seconds**. Rule 8
2. Not taking proper air reading. Rule 9.
3. Contestant may use either anemometer held in proper direction of air flow.
4. If placard not present at required gas test location, O2 = 20.9%, CH4 = 0.0%.
5. Acts of endangerment, i.e. crossing moving belt. Rule 16
6. Acts that could result in explosion, explosive methane over ignition source. Rule 15
7. Not identifying hazard. Rule 11
8. Not correcting hazard. Rule 12

Date of Examination 6/14/18 Time From: _____ AM/PM To: _____ AM/PM

Section/Area Mid Panel drive area Reported Outside? Yes ___ No ___ Time: _____ AM/PM

Reported By: _____ Received By: _____ INITIAL (AUTHORIZED PERSON)

Preshift required within 3 hours prior to any 8-hour interval.

Location	Hazardous Condition	CH ₄	Action Taken
Entry #3, xc 4	Pallet blocking door		dangered
Entry #2, xc 3-4	Wrong size fire ext. PC		dangered
Entry #2, xc 2-3	Wrong size fire ext. Controls		dangered
Entry #2, xc 3-4	No sprinklers over contols		Dangered
Entry #2, xc 3-4	Controls against rib		dangered
Entry #2 XC 1 -2	Broken roof bolt		dangered
Entry #1XC 2 - 3	Missing fire outlet		dangered
Entry #1, xc 2-3	Wrong size fire ext.		dangered
Entry #1 xc 2	AMS wrong side of drive		dangered
Entry #1, XC 2	Accumulations Drive		Dangered
Belt entries 1 and 2	Low belt air		dangered
Power Center		0.0%	None
Entry #1	Gas reading may be part of other entry above	0.0%	
Entry #2	Gas reading may be part of other entry above	0.0%	
Entry #3	Gas reading may be part of other entry above	0.0%	

Air Measurements

Location	CFM	Location	CFM
Belt air Low 45 FPM			

Velocities

Longwall Headgate: _____ CH₄: _____ O₂: _____ Longwall Tailgate: _____

Remarks:

Signed by Preshift Certified Examiner

Date

Certification Number

Countersigned by Mine Foreman

Date

Certification Number

Countersigned by Operator/Agent

Date

Certification Number