

# KENTUCKY RIVER MINE RESCUE PRE-SHIFT CONTEST 2015



## STATEMENT

WELCOME, I AM (NAME-AGENCY) AND THIS IS (NAME-AGENCY).

YOU ARE THE PRE-SHIFT EXAMINER FOR THE #2 BELT HEAD DRIVE AREA.

THERE AREA MINERS SCHEDULED TO INSTALL 500' OF BELT AND DO WORK ON THE #2 BELT HEAD DRIVE.

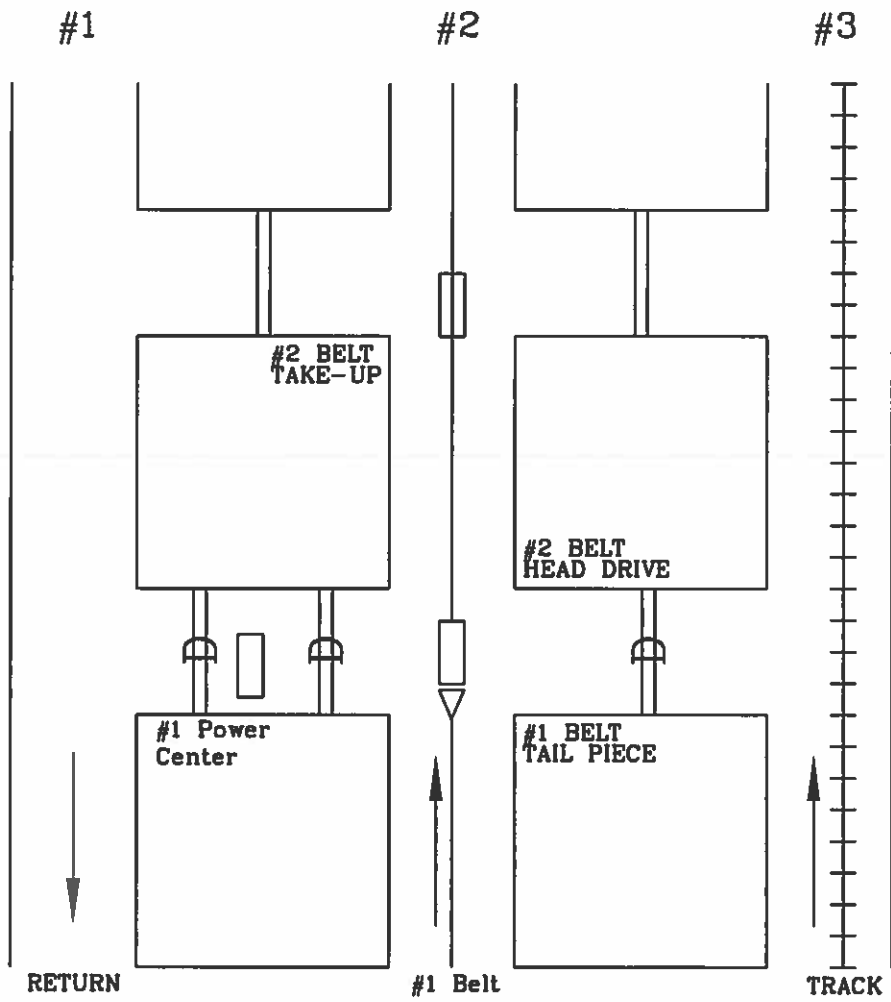
PRE-SHIFT THE AREA FOR THE MAP YOU HAVE BEEN GIVEN.

THE TRACK IS THE PRIMARY ESCAPEWAY AND THE BELT IS THE ALTERNATE ESCAPEWAY.

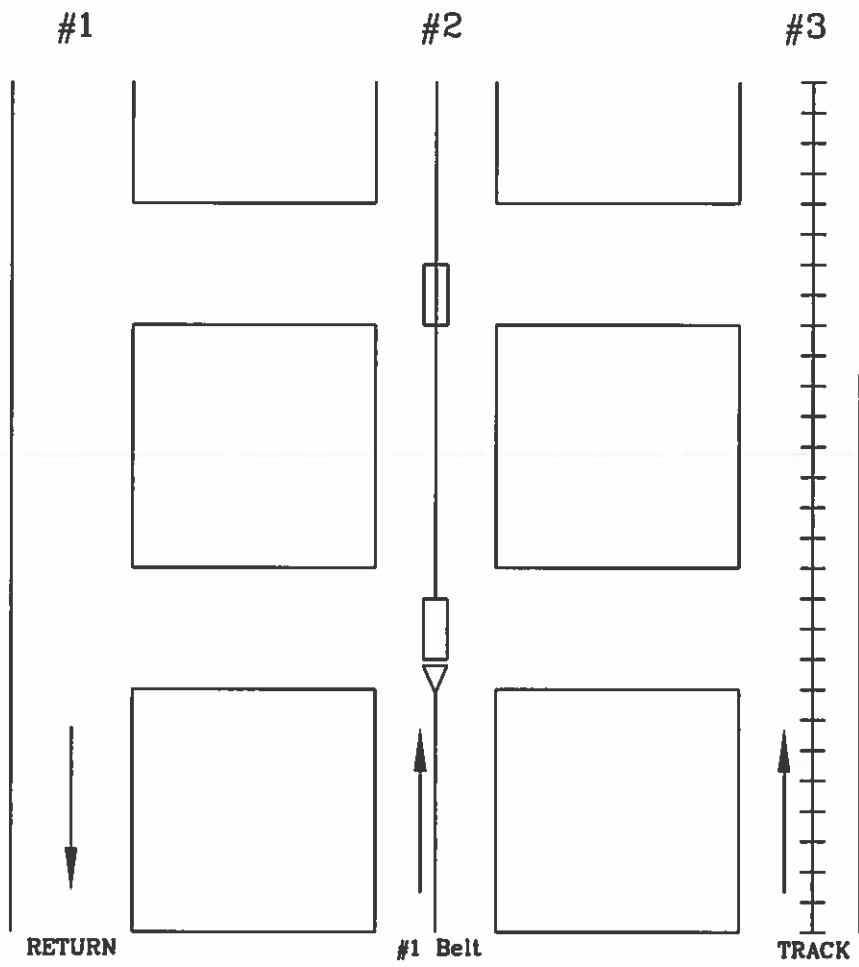
THE BELTS ARE RUNNING AT THIS TIME.

ENTER THE MINE IN THE #3 TRACK ENTRY.

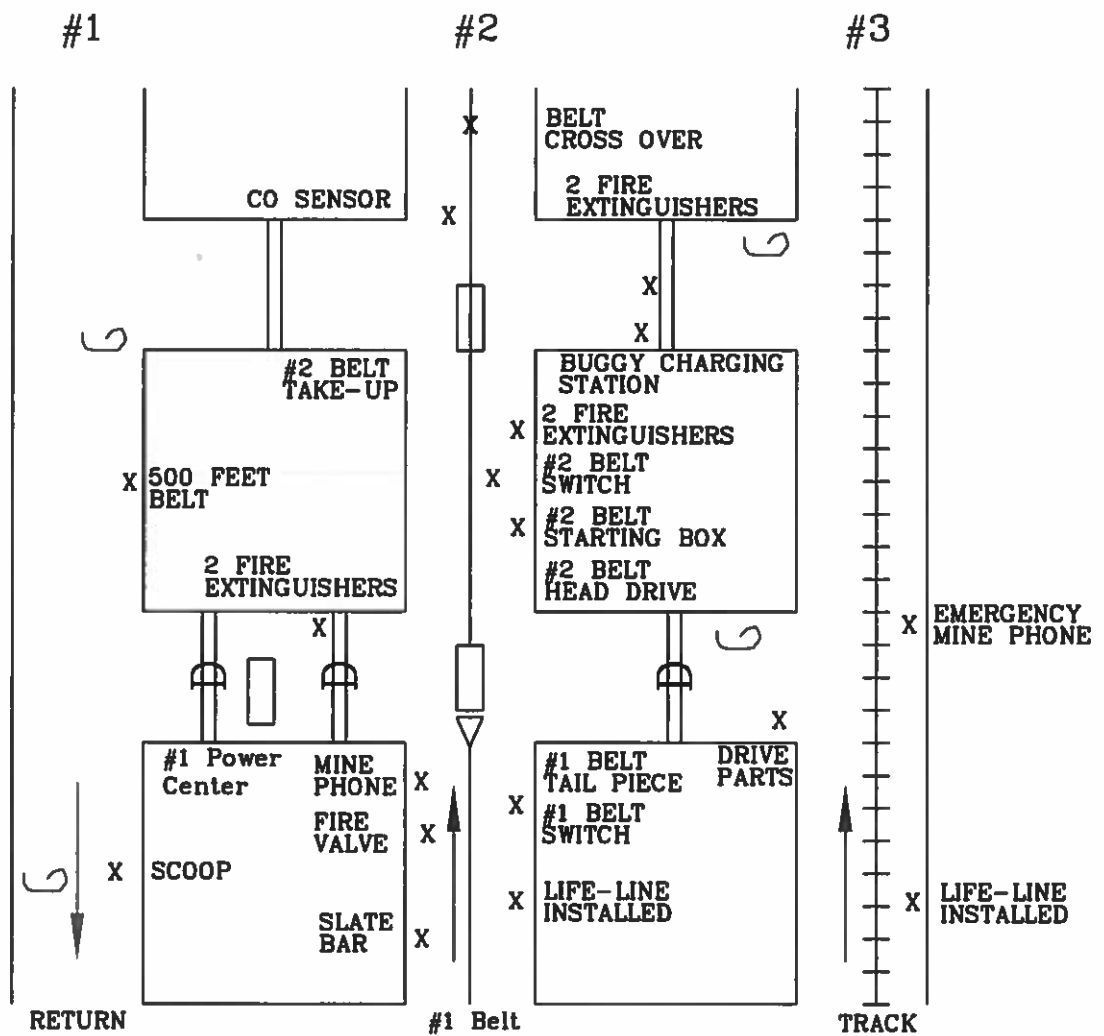
# Ventilation Map



# Blank Map



# Problem Map



## JUDGES INSTRUCTIONS

1. IF CONTESTANT DOES NOT TAKE A GAS TEST OR AIR READING DO NOT DISCOUNT FOR IMPROPER TEST OR AIR READING.
2. IF CONTESTANT DOES NOT PLACE DANGER SIGN DO NOT DISCOUNT FOR DTI ON DANGER SIGN.
3. IF CONTESTANT ASK ABOUT TEST HOLES. TELL THEM "NOT PART OF THE PROBLEM.
4. IF CONTESTANT CHECKS NON-EXISTING TEST HOLE. TELL THEM "CLEAR".
5. IF CONTESTANT CHECKS PHONES, RADIO, OR TRACKING. TELL THEM "OK".
6. IF CONTESTANT ASK ABOUT LIFE LINES. TELL THEM "IN PLACE AND INSTALLED CORRECTLY".
7. BREAKER IS KNOCKED ON SCOOP IN THE RETURN.
8. POWER CENTER AND CHARGING STATION ARE ENERGIZED.
9. #1 AND #2 BELTS ARE RUNNING.
10. CONTESTANT MUST USE BELT CROSS OVER OR TURN OFF BELT TO CROSS, OTHERWISE HE HAS ENDANGERED HIMSELF.
11. NO AIR READINGS ARE REQUIRED. IF CONTESTANT TAKES READING, USE GIVEN NUMBERS.

**PRE-SHIFT EXAMINATION CONTEST  
JUDGES DISCOUNT SHEET**

CONTESTANT \_\_\_\_\_ NO. \_\_\_\_\_ \* DENOTES DISCOUNT

WORKING TIME \_\_\_\_\_

**REQUIRED EQUIPMENT  
TWO POINT DISCOUNT FOR EACH OMITTED ITEM RULE 2  
MARK AN X IF AVAILABLE**

SAFETY CAP	___	SAFETY BOOTS	___
MINING BELT WITH ID TAG	___	CHECK IN TAG	___
CAP LIGHT	___	SCSR	___
ANEMOMETER	___	WATCH (OR EQUIVALENT)	___
GAS DETECTOR	___	DEVICE FOR TESTING ROOF	___
MEASURING DEVICE	___	BLANK INDEX CARDS	___

**OUTSIDE**

	<u>YES</u>	<u>NO</u>	<u>RULE</u>
(1) DID CONTESTANT CHECK IN	___	___*	1
(2) DID CONTESTANT CHECK SCSR	___	___*	3
(3) DID CONTESTANT CHECK METHANE/OXYGEN DETECTOR	___	___*	19
(4) DID CONTESTANT CHECK OUT	___	___*	1
(5) DID CONTESTANT HAVE ALL REQUIRED EQUIPMENT	___	___*	2
(6) WAS CONTESTANT EQUIPMENT MAINTAINED IN OPERABLE CONDITION	___	___*	14
(7) DID CONTESTANT ENTER MINE UP NUMBER 3 ENTRY	___	___*	17

**#3 HEADING**

	<u>YES</u>	<u>NO</u>	<u>RULE</u>
(1) DID CONTESTANT DTI AT #3 HEADING.	___	___*	4
(2) DID CONTESTANT TAKE GAS TEST AT #3 HEADING.	___	___*	5
(3) DID CONTESTANT TAKE A PROPER GAS TEST	___	___*	6

**#2 HEADING**

	<u>YES</u>	<u>NO</u>	<u>RULE</u>
(1) DID CONTESTANT DTI AT #2 HEADING.	___	___*	4
(2) DID CONTESTANT TAKE GAS TEST AT #2 HEADING.	___	___*	5
(3) DID CONTESTANT TAKE A PROPER GAS TEST	___	___*	6
(4) DID CONTESTANT ENDANGERED SELF CROSSING BELT	___*	___	16

**BUGGY CHARGING STATION**

	<u>YES</u>	<u>NO</u>	<u>RULE</u>
(1) DID CONTESTANT DTI AT POWER CENTER	___	___*	4
(2) DID CONTESTANT TAKE GAS TEST AT POWER CENTER.	___	___*	5
(3) DID CONTESTANT TAKE A PROPER GAS TEST	___	___*	6

**POWER CENTER**

	<u>YES</u>	<u>NO</u>	<u>RULE</u>
(1) DID CONTESTANT DTI AT POWER CENTER	___	___*	4
(2) DID CONTESTANT TAKE GAS TEST AT POWER CENTER.	___	___*	5
(3) DID CONTESTANT TAKE A PROPER GAS TEST	___	___*	6

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Use Indelible Pencil or Ink

**PRESHIFT - CERTIFIED EXAMINER'S REPORT**

Report Shall Be Signed When Finished

Date of Examination: 07-16-2015 Time From: \_\_\_\_\_ AM/PM To: \_\_\_\_\_ AM/PM

Section/Area: #2 BELT 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	Action Taken	CH4
#1 ENTRY			0.0%
#2 ENTRY			0.0%
#3 ENTRY			0.0%
POWER CENTER			0.0%
BUGGY CHARGING STATION			0.0%

**Air Measurements**

Location	CFM	Location	CFM

\*LOCC \*Longwall Intake Entry(ies) \*Intake End Pillar Line \*LOCC Where Equipment Being Installed or Removed

SIGNATURE \_\_\_\_\_

07-16-2015 \_\_\_\_\_

Signed by Preshift Certified Examiner

Date

Certification Number

AIR  
READING

20' W

6' H

85 FPM

CONTESTANT NAME \_\_\_\_\_

WORKING NUMBER \_\_\_\_\_

1. Chemical extinguishers shall be examined every 6 \_\_\_\_\_ and the date of the examination shall be written on a permanent tag attached to the extinguisher. (30 CFR 75.1100-3)  
 A WEEKS  
 B YEARS  
 C MONTHS
  
2. Each underground coal mine operator shall ensure that at least 2 miners in each working section on each production shift are proficient in the use of all fire suppression equipment available on such working section, and know the \_\_\_\_\_ of such fire suppression equipment. (30 CFR 75.1503(a))  
 A LOCATION  
 B QUANTITY  
 C TYPE
  
3. No person other than certified examiners may enter or remain in any underground area unless a \_\_\_\_\_ examination has been completed for the established 8-hour interval. (30 CFR 75.360(a)(1))  
 A PRESHIFT  
 B ONSHIFT  
 C WEEKLY
  
4. The quantity of air reaching the last open crosscut of each set of entries or rooms on each working section and the quantity of air reaching the intake end of a pillar line shall be at least \_\_\_\_\_ cubic feet per minute unless a greater quantity is required to be specified in the approved ventilation plan. (30 CFR 75.325(b))  
 A 9,000  
 B 12,000  
 C 15,000
  
5. Off \_\_\_\_\_ haulage roadways should be maintained as free as practicable from bottom irregularities, debris, and wet or muddy conditions. (39 CFR 75.1403-10(i))  
 A RAIL  
 B ROAD  
 C TRACK
  
6. A minimum quantity of \_\_\_\_\_ cubic feet per minute shall reach each working face where coal is being cut, mined, drilled for blasting, or loaded. (30 CFR 75.325(a)(1))  
 A 2,000  
 B 3,000  
 C 4,000

7. Methane detectors should be \_\_\_\_\_ with a known methane-air mixture at least once every 31 days. (30 CFR 75.320 (a))

- A BUMPED
- B CALIBRATED
- C TESTED

8. The end of permanent roof support shall be posted with a readily visible warning, or a physical barrier shall be installed to \_\_\_\_\_ travel beyond permanent support. (30 CFR 75.208)

- A IMPEDE
- B BLOCK
- C STOP

9. Ventilation controls are used underground to properly \_\_\_\_\_ air to all sections of the mine. (MSHA 3028 p. 3-8)

- A DIVIDE
- B DIRECT
- C DISTRIBUTE

10. \_\_\_\_\_ is utilized to dilute, render harmless and carry away flammable, explosive, noxious, and harmful gases, dusts, smoke, and fumes. (30 CFR 75.325, 330(b)(1))

- A AIR
- B OXYGEN
- C VENTILATION

CONTESTANT NAME \_\_\_\_\_

WORKING NUMBER \_\_\_\_\_

1. C MONTHS
  2. A LOCATION
  3. A PRESHIFT
  4. A 9,000
  5. C TRACK
  6. B 3,000
  7. B CALIBRATED
  8. A IMPEDE
  9. C DISTRIBUTE
  10. C VENTILATION
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