



**2017**  
***Virginia Governor's Cup***  
***Pre-Shift Contest***  
***June 1, 2017***

***The University of Virginia's College at Wise***  
***1 College Avenue • Wise, VA 24293***  
***Phone: (276) 328-0100***

# Governor's Cup Preshift Contest

## Thursday June 1, 2017

<b>Chief Judge</b>	x	
<b>Appeals</b>	x	x
<b>Score Card Examiners</b>	x	x
<b>Score Card Review</b>	x	x
<b>Written Exam/Guards</b>	x	x
	x	
<b>Transportation Coordinators</b>	x	
	x	
<b>Field Supervisors</b>	x	
<b>Field Set Up</b>	x	x
<b>A Judges</b>		<b>B Judges</b>
x		x
x		x
x		x
x		x
x		x
x		x

**2017  
Governor's Cup  
Preshift Contest**

**Contestant Statement**

The CVC Coal Company # 1 Mine mines coal with a continuous miner, shuttle cars, a dual head roof bolting machine, and battery powered scoops. The mine operates two shifts per day, five days per week on the MMU 001-0. This mine has a history of poor roof and rib conditions along with accumulations of water, methane and low oxygen. The active section has low spots that are only 36" high, and as a preshift examiner you will have to crawl thru these low places on the section. Travel time from the surface to the section is approximately 50 minutes.

You are to conduct a preshift examination of the 001-0 section for the upcoming shift.

The MMU 001-0 section consists of three entries.

The No. 1 Entry is the intake.

The No. 2 Entry is the belt.

The No. 3 Entry is the return.

The mining height averages 6 feet. The main fan is blowing and operational. Underground power is energized, and once turned off, the power cannot be turned back on.

A copy of the approved roof control plan, the approved ventilation plan, approved seal plan, and a blank mine map are all attached to this statement. If means are available, the section is to be left in compliance with the approved plans and all hazardous conditions corrected.

For the contest purposes, all violations of the Title 30 CFR will be considered hazards.

You will have 30 minutes to complete the problem.

**2017  
Governor's Cup  
Preshift contest  
June 1, 2017**

**Judge's instructions**

1. Show the contestant the time clock, mine phone, and the check in/out board.
2. A blank map, written statement (contestant statement), roof control plan, seal plan, and ventilation plans will be provided and have already been reviewed by the contestant in lock-up. Upon receipt of these materials the contestant must start the clock within 2 minutes.
3. Contestant should take the air measurement in the last open crosscut between the # 2 and # 3 entries.

**Provide information in box to the contestant after taking the air reading in the last open crosscut (LOCC) between the #2 and #3 entries.**

Height:	<b>78 INCHES</b>
Width:	<b>20 FEET</b>
Feet per minute:	<b>115</b> correction factor: <b>+ 22</b>

**Do not give out the total CFM, 17,810**

Note: If the contestant takes an air measurement in the wrong location, and the check curtains have been installed, the information above should be provided to them but discounts assessed for wrong location. (Rule 9)

**If the contestant takes air measurement with the ventilation controls partially installed (not according to the vent plan schematic) then the air reading will be 8,700 CFM in the LOCC.**

Height:	<b>78 INCHES</b>
Width:	<b>20 FEET</b>
Feet per minute:	<b>45</b> correction factor: <b>+ 15</b>

**Do not give out total CFM 7,800**

**Digital anemometers can be held in either direction.**

**2017  
Governor's Cup  
Preshift contest  
June 1, 2017**

**Judging Points**

1. If the contestant only hangs the check curtain in x-cut between # 2 and # 3, there will be enough air for the LOCC reading.
2. If the contestant only hangs the check curtain in x-cut between # 2 and # 3, there will be enough air for the CH4 to clear in the face of # 3 if the line curtain is hung in # 3.
3. Contestant should use the probe stick (located in # 1 entry) to check for methane in the high spot in # 3 entry. (Rule 5, part G)
4. Contestant should crawl thru the low spot in the crosscut between the # 1 and # 2 entry. (Rule 17)
5. Not following the approved Seal Plan concerning installing the line curtain, closing gas sample pipe, not noticing gas sample pipe is made from conductive material, opening water trap, not noticing missing water trap, not noticing Pogo stick missing. (Rule 12)
6. **Q&A From 2015**  
If a contestant failed to identify, danger off, or correct a hazardous condition as stated in Rule 11 and received the discount; will they also be discounted for failing to correct the hazardous condition as stated in Rule 12? **Yes**, if hazardous condition is not found the contestant will receive discounts under Rules 11 and 12.

**Filling out the Preshift Record** (Same thing as above would apply when filling out the preshift record)

Rule 3 Failure to record hazardous condition.

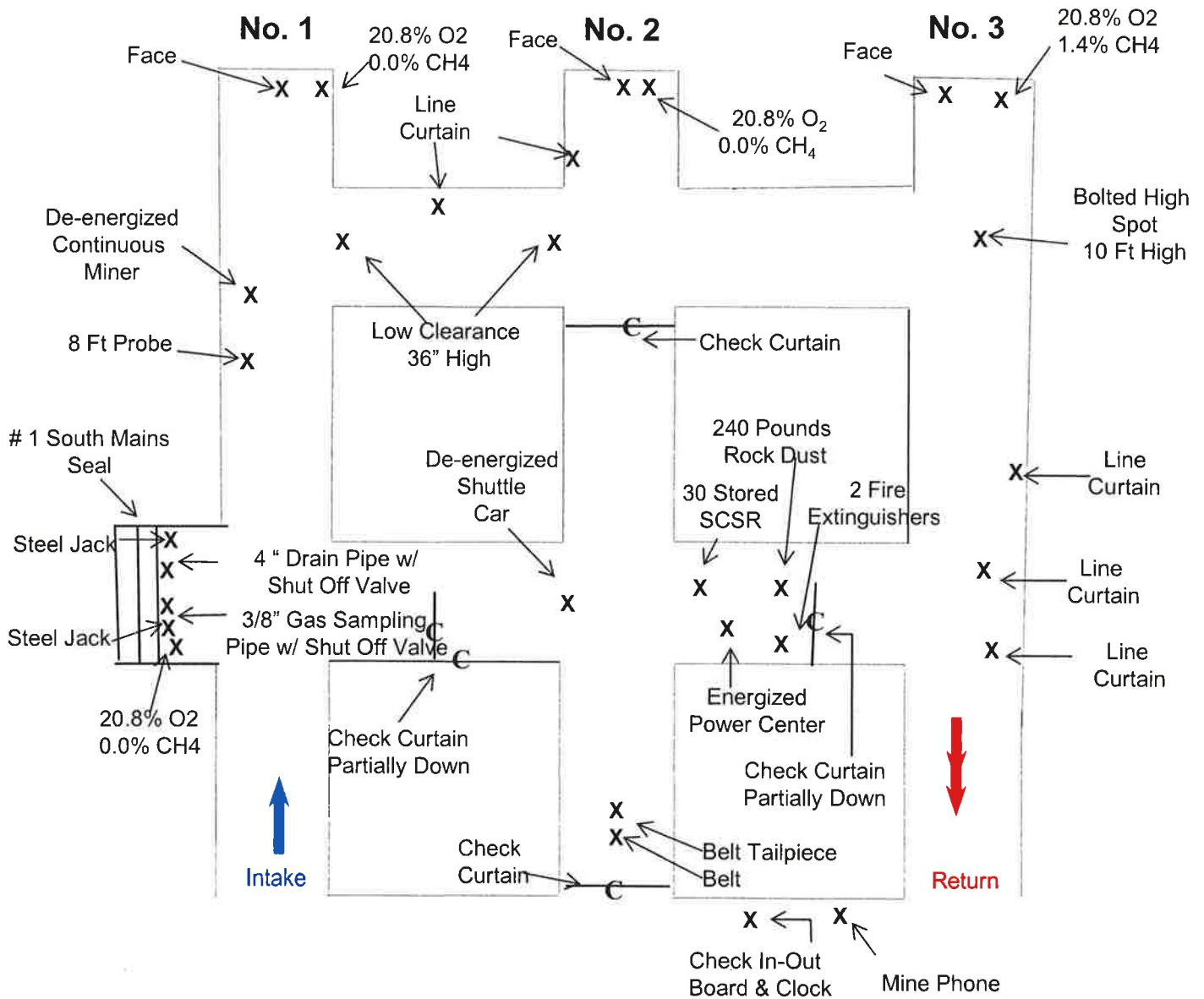
Rule 4 Failure to record action taken to correct hazardous condition.

Personal notes: Date cannot be written on hand prior to arriving at the field, if the contestant wants to write on hand after clock starts that is ok.

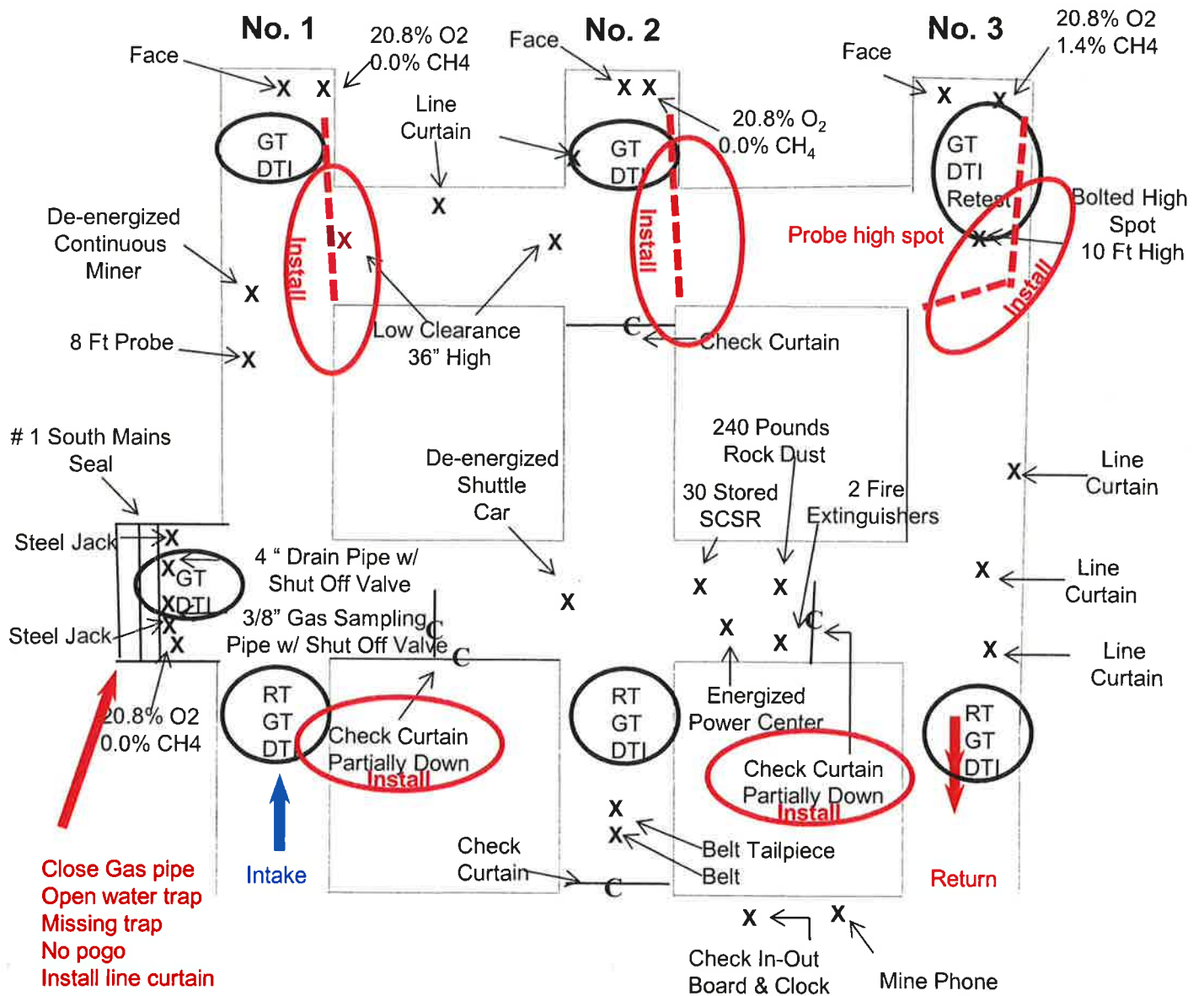
**Times**

Written exam \_\_\_\_\_ 15 minutes  
Review plans in Staging area \_\_\_\_\_ 10 minutes  
On field start clock after giving materials \_\_\_\_\_ 2 minutes  
Work problem on field \_\_\_\_\_ 30 minutes (warn when 1 minute left)  
Fill out record \_\_\_\_\_ 20 minutes  
After posting name time to appear \_\_\_\_\_ 60 minutes  
Review and prepare protests \_\_\_\_\_ 20 minutes

# 2017 Governor's Cup Preshift Contest Problem Map



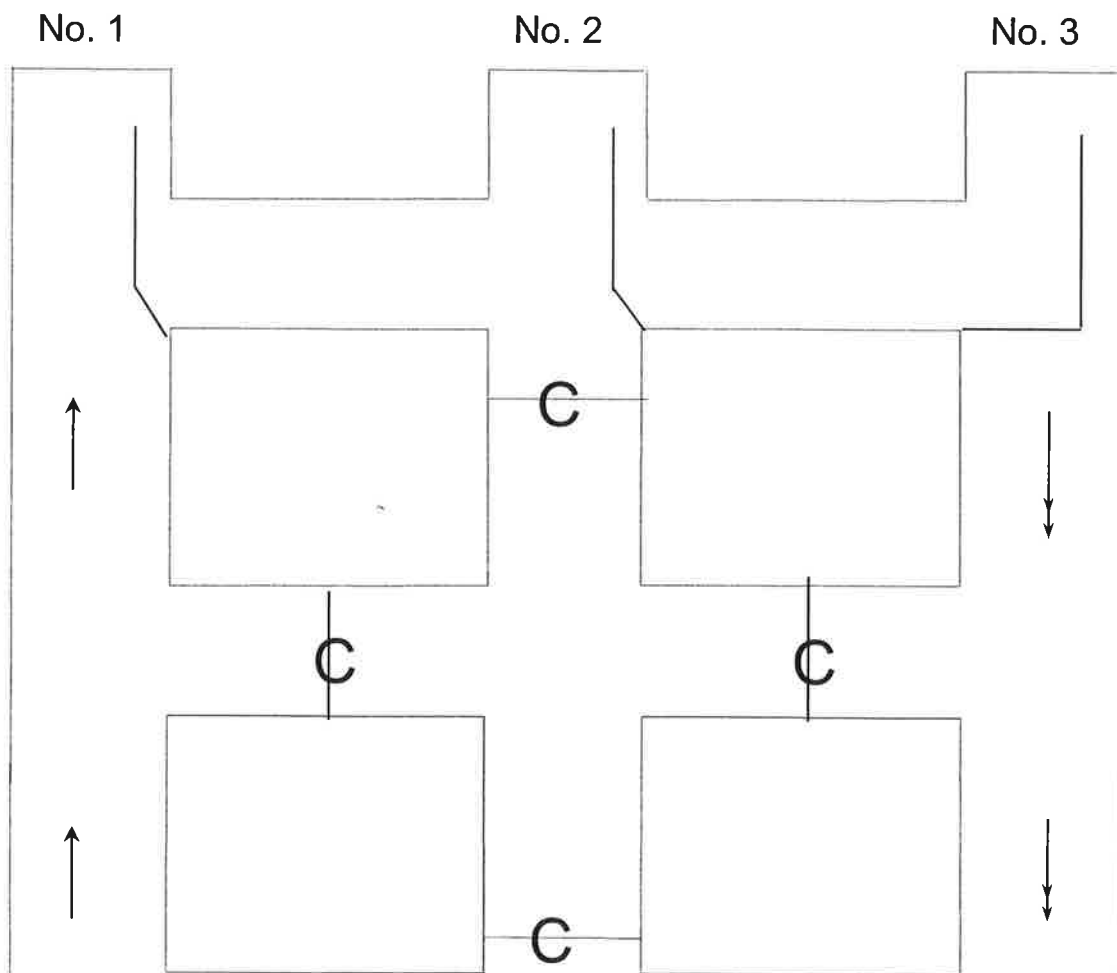
# 2017 Governor's Cup Preshift Contest Scoring Map







**2017**  
**Governor's Cup**  
**PRESHIFT CONTEST**  
**VENTILATION PLAN**



- Line curtain required where the continuous miner is cutting or loading coal.
- Line curtain required in face area where the roof bolting machine is located.
- Line curtain required to be maintained 10 ft. from the deepest point of penetration.
- A minimum of 12, 000 CFM required in the last open crosscut.
- Maximum cut depth not to exceed 20 ft.
- All face ventilation is exhausting.

**2017**  
**Governor's Cup**  
**PRESHIFT CONTEST**  
**# 1 SOUTH MAINS SEAL PLAN**

**Type:** Seals are 120psi type Micon Main Line Hybrid II seals.

**Ventilation:** Line curtain will be hung from the nearest airway to within 5 feet of the face of the seal.

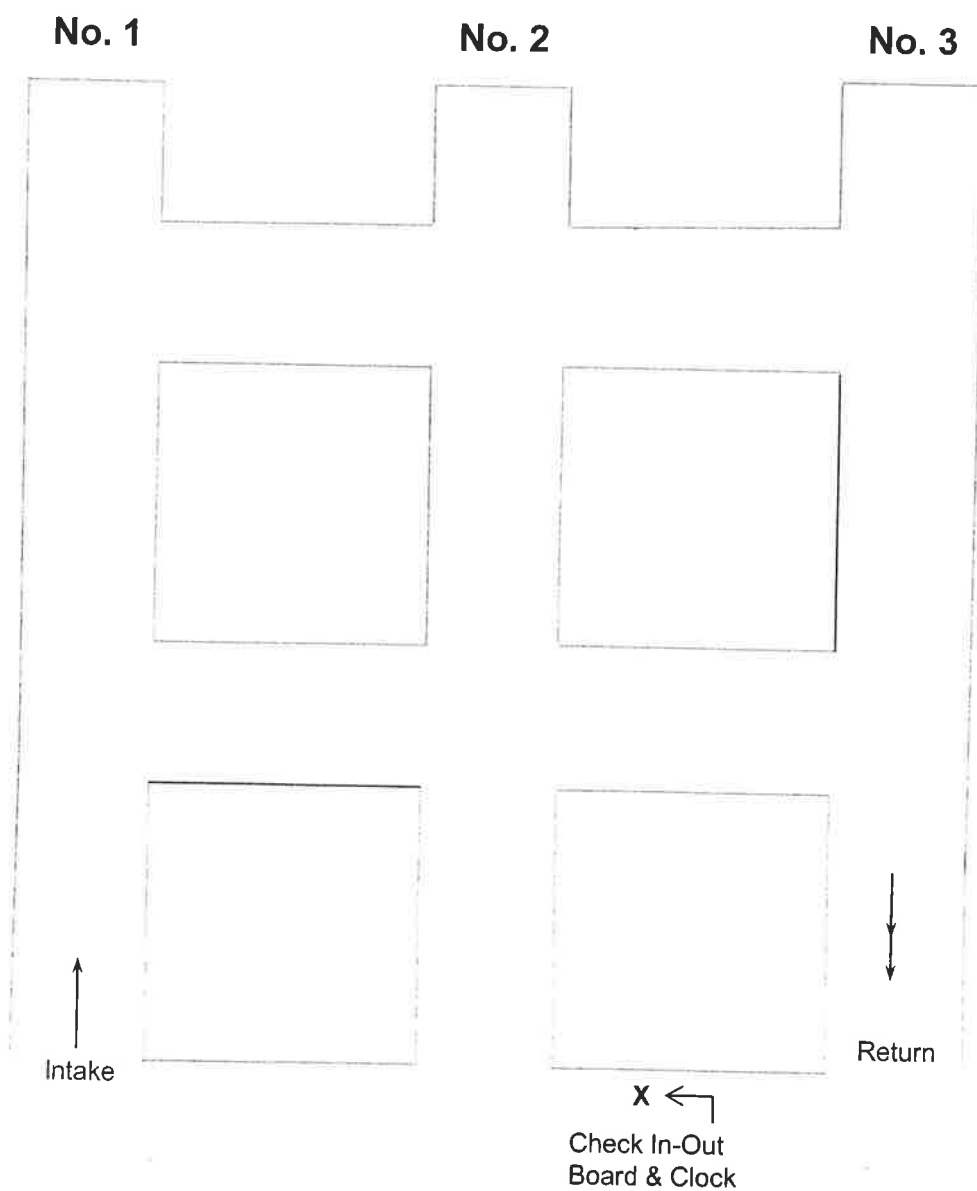
**Roof support:** 2 Wooden cribs or 2 Steel jacks will be installed on the outby side of each seal.

**Water drainage system:** 4 inch diameter drain pipe with a water trap, shut off valve will be left open.

**Gas monitoring system/Sampling tube:** Sampling pipes specific to this plan will consist of a 1/2 inch or less diameter pipe constructed of non-metallic corrosion resistant material with a shut-off valve. The shut-off valve will remain closed.

**Convergence:** A pogo stick marked in one inch increments will be installed in the middle of the entry within 5 feet of each seal. The pogo stick will be marked in one inch increments.

2017  
Governor's Cup  
Preshift Contest  
Judges Map



**2017**  
**Governor's Cup**  
**Preshift Contest**  
**Judges Map**

