**2014 Ohio Valley Mine Rescue**

**NMR Post # 6, June 5, 2014**

**Pre-Shift Written Exam**

**Contestants Name;\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Company\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Team Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Working Order No.\_\_\_\_\_\_\_\_\_\_\_**

1. 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 \_\_\_\_\_\_\_\_\_\_\_ equipment available on such working section, and know the location of such fire \_\_\_\_\_\_\_\_\_\_\_ equipment.

retardant, suppression combative, fighting suppression, suppression

1. The end of permanent roof support shall be posted with a readily \_\_\_\_\_\_\_ \_\_\_\_\_\_\_, or a physical barrier shall be installed to impede travel beyond permanent support.

audible, warning visual, warning reflective, devise

1. Roof support materials, sequence of roof support installation and \_\_\_\_\_\_\_, are stated in the \_\_\_\_\_\_\_\_ Roof Control Plan.

Initial Written Approved

1. Test holes, spaced at intervals specified in the roof control plan, shall be drilled to a depth at least \_\_\_ inches \_\_\_\_\_\_ the anchorage horizon of mechanically anchored tensioned roof bolts being used.

18 , below 12, above 24, higher

1. Chemical extinguishers shall be examined every \_\_ \_\_\_\_\_\_\_ and the date of the

examination shall be written on a permanent tag attached to the extinguisher.

12, months 24, months 6, months

1. Any area of the mine where a hazardous condition is observed shall be posted with a \_\_\_\_\_\_\_\_\_\_\_ danger sign where anyone entering the area would pass.

visible conspicuous reflective

1. A visual examination of the roof, face and ribs shall be made immediately before

any work is started in an area and thereafter as conditions \_\_\_\_\_\_\_.

warrant found examined

1. The last open crosscut is the crosscut in the line of pillars containing the permanent stoppings that \_\_\_\_\_\_\_\_ the \_\_\_\_\_\_ air courses and the return air courses.

isolate, intake prevent, intake separate, intake

1. The mine ventilation map shall show the direction of \_\_\_ \_\_\_\_ in all underground areas of the mine.

air, movement air, course air, flow

1. Power wires and \_\_\_\_\_\_, except trolley wires and trolley feeder wires, and bare

signal wires shall be insulated \_\_\_\_\_\_\_\_\_ and fully protected.

Cables, properly cables, adequately feeds, entirely

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**NMR Post # 6**

**Pre-Shift Written Exam (Answers)**

1. 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 location of such fire suppression equipment. SF#15
2. The end of permanent roof support shall be posted with a readily visible warning, or a physical barrier shall be installed to impede travel beyond permanent support. #18
3. Roof support materials, sequence of roof support installation and spacing, are stated in the Approved Roof Control Plan. SF # 19
4. Test holes, spaced at intervals specified in the roof control plan, shall be drilled to a depth at least 12 inches above the anchorage horizon of mechanically anchored tensioned roof bolts being used. SF # 34
5. Chemical extinguishers shall be examined every 6 months and the date of the

examination shall be written on a permanent tag attached to the extinguisher. # 42

1. Any area of the mine where a hazardous condition is observed shall be posted with a conspicuous danger sign where anyone entering the area would pass. SF # 45
2. A visual examination of the roof, face and ribs shall be made immediately before

any work is started in an area and thereafter as conditions warrant. SF # 47

1. The last open crosscut is the crosscut in the line of pillars containing the permanent stoppings that separate the intake air courses and the return air courses. SF # 87
2. The mine ventilation map shall show the direction of air flow in all underground areas of the mine. SF # 91
3. Power wires and cables, except trolley wires and trolley feeder wires, and bare

signal wires shall be insulated adequately and fully protected. SF # 98