

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

2. 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

3. Roof support materials, sequence of roof support installation and _____, are stated in the _____ Roof Control Plan.
Initial Written Approved

4. 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

5. 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

6. 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

7. 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

8. 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
9. The mine ventilation map shall show the direction of ____ ____ in all underground areas of the mine.
air, movement air, course air, flow
10. 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

2014 Ohio Valley Mine Rescue
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**
6. 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**
7. 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**
8. 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**
9. The mine ventilation map shall show the direction of **air flow** in all underground areas of the mine. **SF # 91**
10. Power wires and **cables**, except trolley wires and trolley feeder wires, and bare signal wires shall be insulated **adequately** and fully protected. **SF # 98**