Written Information for Southern West Virginia Contest

Day #2

Thank you for responding to our call for help. You are located at the underground fresh-air base of the Big Lump mine. We had three employees working underground when we received a call from the section stating that they heard a loud noise and the mine was filling with low O2 and high levels of CH4. Five minutes later the fan stalled and would not restart. We are no longer trying to restart the fan and all power has been removed from the mine. A mine rescue team entered the mine, traveled to within four crosscuts of the face; found water roofed in the #2 intersection and established this FAB. Air enters the mine from a blowing fan located on top of the air shaft located in the #2 entry, two crosscuts inby the fresh-air base. Under normal conditions air exits out #1, #2 and #3 entries. The Big Lump mine recently cut into the Academy #1 mine in the #1 entry to establish additional airways. However, the Academy #1 mine was in such bad condition that mine management decided to reseal the old mine. Seals were built in the #1 entry and in the crosscut 2X1. Sample pipes were installed in the seal in the 2X1 crosscut to monitor the atmosphere behind the seals. If the team needs to ventilate any area of the mine, the fan can be started by requesting through the team’s BO. Power can be reestablished to the section distribution box if needed.

All State and Federal agencies are on site

Mine rescue teams are on site to act as backup

Thanks and good luck
Southern West Virginia Contest
Day #2 Written Statement

- Explore all areas of the mine needed to account for all missing miners
- Bring all survivors to the fresh-air base
- The fan can be controlled by requesting through the team BO
- The fan cannot be stalled or reversed