

# **SOUTHERN W.V. – DAY 1**

## **Statement**

Welcome to the Fox Hole #1 mine. Fox Hole is a three entry mine driving along side of the old East Panel works. Last night a five person crew entered the section to service equipment and if they had time to square up the #1 heading and roof bolt it for day shift. Around 4:00 a.m. a sudden rush of air was felt by two belt men working on the main belt. They immediately came out of the mines and called the mine foreman at home. Attempts to contact the five person crew was unsuccessful, no one else is underground. When operating under normal conditions air intakes up #1 and returns down #3 with #2 being neutral. The main fan was damaged and cannot be repaired without parts. There have been two teams that have explored to about four cross cuts from the faces. Due to damaged ventilation controls a fresh air base was established. They were able to run high voltage up #2 to a power center in the fresh air base and installed a portable blowing fan in the #1 entry outby the fresh air base.

The fan is off, but can be started, once started it cannot be turned off, reversed, or stalled. There is also a pump switch that can be started if needed. Power is restored to the power center. There is no power in by the fresh air base. Due to low air the teams had to retreat and they are available to serve as your back up team. State and federal agencies have been notified and are on site. This is all the information I have at this time. Good Luck!!!

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## **Problem**

- ❖ Explore the entire section.
- ❖ Account for all missing miners and return the survivors to the fresh air base.
- ❖ No electrical equipment, components, or switches can be moved.
- ❖ Team can carry only two sets of brattice at a time.

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## **Judges Briefing**

After exploring 1<sup>st</sup> cross cut. Team must ventilate the gas in #2 intersection to be able to pump water and continue to explore. The three timbers in the #3 will not reach across the unsafe roof, because it is 12 feet long. The high voltage cable powering up the power center travels up #2 through the intersection in the fresh air base, therefore a diagonal temporary stopping must be built prior to starting fan to keep from moving gas in #2 across the energized cable. Team may choose to do this by stationing the entire team on the intake side of diagonal stopping and then starting the fan. The team may choose to set the three timbers in the diagonal unsafe roof to travel up #1 to check the gas in #2 intersection, or they may assume the gas and smoke is clear and remove the diagonal stopping and travel up #2 to check gas. If team elects to station only one man to start the fan and the rest of the team remains on the return side of diagonal to be able check gas in #2, all team members must be on the lifeline or linkline

when smoke is ventilated across the rest of the team.

The team must airlock when the water is pumped. The gas at the pump extends to the next intersection since team travel is up #2. Therefore the second ventilation is necessary to remove gas in #2 prior to ventilating across the partial caved area.

Once the team encounters the RA and makes team stops 7 and 8. Team can ventilate RA. After removing patient, team must travel #1 entry to follow contaminant to last open crosscut. When team travels across to #2 in last open break, team will encounter explosive mixture of gas and when team reaches the wrap around unsafe in #2 intersection, team should leave the mines due to the battery scoop being in the explosive mixture. If captain travels inby the intersection in any direction, he should be discounted for continuing to explore.

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**Patient Statement**

HELP HELP GET ME OUT!!!!

THERE IS NO ONE WITH ME

I'M ALL ALONE