

## 2018 Alliance Contest Written Information

Thank you for answering our call for help. Last night on owl shift we had three employees working on the 3 Right section of the Alliance #2 mine to clean and dust the section. This section is being setup to connect the Alliance #2 mine with the Alliance #1 mine, which was sealed several years earlier. The employees were also instructed to move the continuous miner to the #1 face and make sure it was working properly. According to our maps the #1 entry should cut into the old mine in about 10 feet. We could not establish communication with the three miners at 7:00am this morning when it was time for their fire-boss call out. The mine foreman traveled to the mouth of the 3rd section and noticed no ventilation was going up onto the section. Double airlock doors installed in the #2 entry, in preparation for the cut through that should have been open were closed. At this time, air is traveling up the #1 entry across the fresh-air base and out the #3 entry. All areas outby the fresh-air base have been inspected and are safe to ventilate through. This section has a history of methane. Water has also been a problem in several areas on the section. Pumps have been installed to control the water but would be off now due to loss of power. All power to the section has been knocked, but can be put back in by making request for it. The fan ventilating this mine is an exhaust fan and must remain on at all times to ventilate the remainder of the mine. The refuge chamber for this section is located 3 crosscuts inby the fresh-air base between the #2 and #3 entries. We believe this is where the miners would go if they could not escape the section. The Map was updated 3 days ago. We would like for your team to get to the area of the RA as soon as possible.

All state and Federal agencies have been notified and are on site. We have several mine rescue teams on site to act as backup for your team. This is all the information I have at this time thanks and good luck.

## Written Problem

- Explore the entire mine that can be done safely
- The fan is running and cannot be stopped, stalled, or reversed
- Teams may carry on only two brattice cloths
- THERE WILL BE AN 80 Minute Time Limit