Early this morning, a 3 man maintenance crew along with their foreman entered the mine to rock dust and do service work. At approximately 6:00 am, a loud explosion was heard and power to the mines was knocked. All four miners are still missing.

This is a new mines that is being developed near the Ole Blue no.2 mines. We have de-energized all electrical power going into the mine. Ventilation is provided by an exhaust fan. The fan is off and being monitored and guarded. All the federal and state agencies have been notified and are on site to offer assistance. The maps are up to date. This mine is noted for poor roof, high liberations of methane, and low oxygen levels. A fully equipped back up mine rescue team is stationed here while you work in by the fresh air base. You may start work when your team is ready. Good luck, and thank you for responding to our emergency.
2016
Mine Rescue Contest

Written Instructions

• ACCOUNT FOR ALL MISSING MINERS
• THE EXHAUST FAN CAN BE TURNED ON BY A SWITCH IN THE COMMAND CENTER ON THE SURFACE
• THE EXHAUST FAN CAN NEVER BE REVERSED AND ONCE THE FAN IS TURNED ON, IT CANNOT BE STOPPED OR STALLED
• NO WORK CAN BE PERFORMED BY THE BACK UP TEAM
PATIENT STATEMENTS IN FIRST CROSSCUT BEHIND WATER OVER KNEE DEEP, AT BARRICADE IN NO.3 ENTRY AND AT UNSAFE ROOF BETWEEN 1 AND 2 IN LAST OPEN CROSSCUT

HELP! GET ME OUT!
Keys to Problem

- Exhaust fan is in by fresh air base and will create air migration after turning on

- Team must follow contaminated entry while exploring (See team stop map)

- Team must not delay patient behind water over knee (see vent 1 map)

- Team must remain airlock after turning on fan

- Team must move airlocks in proper order before vent 2 (see air-locking sequence on maps)

- Team must not let smoke or low O2 migrate over person in unsafe roof

- Team must not pass explosive mixture in by last open in no.1 entry (see map) FPA