2017
TENNESSEE - COVE LAKE
MINE RESCUE CONTEST
DAY 1

MH
TENNESSEE - COVE LAKE MINE RESCUE CONTEST
SUPERINTENDENT STATEMENT DAY 1
JUNE 6, 2017

Thank you for coming to help us. You are located at the fresh air base of the Cove-Co #1 mine. This is a very large mine with multiple working sections and interconnected fans and air courses.

A mine rescue team was able to explore to the area inby the area you will be exploring. They were stopped by water in the number 1 and 2 entries and caved in number 3 entry. Another team was able to setup a safe return and intake inby that you can use to ventilate through. The fan ventilating this area is exhausting and will pull air through the area you will be exploring if you do not maintain an airlock or you can stall both fans if they are pulling or pushing against each other. The area is currently air-locked inby the fresh air base.

The air is currently going across the fresh air base and there is a safe return and intake outby that you can use to ventilate through. The fan is currently blowing.

The mine has a history of bad roof, water and methane. The mine maps are up to date. We have a competent life line person to give and take life line signals if necessary.

When the team is traveling they can only carry 1 timber per working team member and they must carry their own timber in their hand. Brattice cloth and line curtain must be either carried in the hand or on the stretcher. No throwing, kicking, pitching etc. of timbers, water pump, brattice cloth or line curtains by the team members.

Please find the 5 missing miners that were in this area of the mine that you will be exploring. Thank you and good luck.
PROBLEM DAY 1

EITHER OF THE TWO FANS MUST NOT BE STALLED BY ANY MEANS DUE TO CAUSING DAMAGE TO THE FANS. TO PREVENT STALLING ONE FAN HAS TO BE BLOWING AND THE OTHER EXHAUSTING WHEN USING BOTH FANS. BOTH FANS MUST REMAIN RUNNING EXCEPT WHEN MAKING VENTILATION CHANGES BY REVERSING THE FANS. THE RETURN AND INTAKE OUTBY THE FAB AND INBY AREAS HAVE BEEN EXPLORED AND IS SAFE TO VENTILATE THROUGH.

ACCOUNT FOR ALL 5 MISSING MINERS THAT ARE IN THE AREA YOU ARE EXPLORING AND BRING SURVIVORS TO THE FAB. EXPLORE ALL AREAS OF THE MINE THAT CAN BE DONE SAFELY.
PATIENT STATEMENT

HELP!! GET ALL 3 OF US OUT OF HERE.

I AM FEELING DIZZY.
COVE LAKE 2017 DAY 1 PROBLEM MAP WITH EXTENT OF SMOKE

Knee Deep
5.1% CH₄
8 PPM CO
19.8% O₂

ROOFED Airtight

END OF SMOKE 3KOWS
2.7% CH₄
7 PPM CO
18.8% O₂

Over Knee Deep

BATTERY SCOOP ON FIRE

Unconscious

Conscious

2.2% CH₄
7 PPM CO
18.8% O₂

ROOFED

SMOKE

SMOKE

OVER KNEE DEEP

SMOKE

WATER PUMP WITH 250 FEET OF POWER CABLE AND DISCHARGE LINE

12 TIMBERS

Airtight

8 BRATTICE CLOTHS
TENNESSEE - COVE LAKE MINE RESCUE CONTEST
DAY 1
JUDGES BRIEFING
Number 1 entry GT DI Airlock GT inby stopping
Number 2 entry GT DI Airlock GT inby stopping
Number 3 entry GT DI Airlock GT inby stopping
The teams can enter any entry they want to. We are setting this up as if they are entering number 1 entry first.

THEY WILL BE IN SMOKE AFTER GOING INBY THE TEMPORARY STOPPINGS AND WILL REMAIN IN SMOKE AT ALL TIMES UNTIL TEAM STOP 10.

Team Stop before breaching stopping.
Team Check

Team Stop 1
Crosscut between 1 & 2 GT DI
Inby GT DI RR

Team Stop 2
INBY GT DI
Crosscut between 2 & 3 GT

Team Stop 3
Crosscut between 1 & 2 GT DI
Inby GT
Outby RR Zig ZAG GT DI
Team Stop 4
Patient reads statement
Inby GT
Crosscut between 2 & 3 RR ZIG-ZAG at caved GT
GT DI at barricade

Team Stop 5
Inby GT
Outby DI GT

Team Stop 6
Inby GT DI
Crosscut between 2 & 3 GT

Team Stop 7
RR Intersection Zig ZAG
Crosscut between 1 & 2 GT
Inby GT DI RR
Outby GT

Pump water 1 and Pump water 2 either one can be done first
Ventilation 1

Enter barricade GT
Touch patient DI assess put under oxygen take to FAB.

Team Stop 8 Inside Barricade
RR intersection DI GT
Touch patient DI assess put under oxygen take to FAB.
Inby GT DI RR
Outby set timbers through unsafe RR outby side
Touch body DI, DI GT RR
Team Stop 9
Inby GT
Outby GT DI RR

Team Stop 10
Team finds Explosive mixture must quit.

STOP CLOCK