

Kentucky Agency Contest Written Information

Thank you for coming to our call for help. Last night on owl shift we had 3 employees in the Kentucky #2 mine working to clean up around the recently cut through #3 entry to the Kentucky #1 mine. The 3 employees in the Kentucky #2 mine was scheduled to call out their progress at 7:00am this morning. The communication person reported the crew missed the scheduled call out. Attempts to contact the them failed. The Mine Foreman went into the mine to try to contact the missing miners, but found disruptions in ventilation. Mine rescue teams were sent into both the Kentucky #1 and #2 mines. Teams traveling the Kentucky #1 mine, found no sign of the missing employees. They also reported that no explosive gases or equipment was found in the old mine. They traveled to the cut through of the #2 mine, entered the Kentucky #2 mine, but had to return to the surface due to an apparatus failure. The team traveling the Kentucky #2 mine traveled to the #47 crosscut and established a fresh air base. The Kentucky #2 mine was ventilated by an exhaust fan on the surface. However when inspected the fan was found to be damaged. The fan is being worked on but parts have not arrived to fix the fan. The Kentucky #2 mine also has an air shaft located in the #3 entry at #50 cross cut. The shaft has a blowing fan on top that can be started if needed. The mine has a history of methane, water, and bad roof.

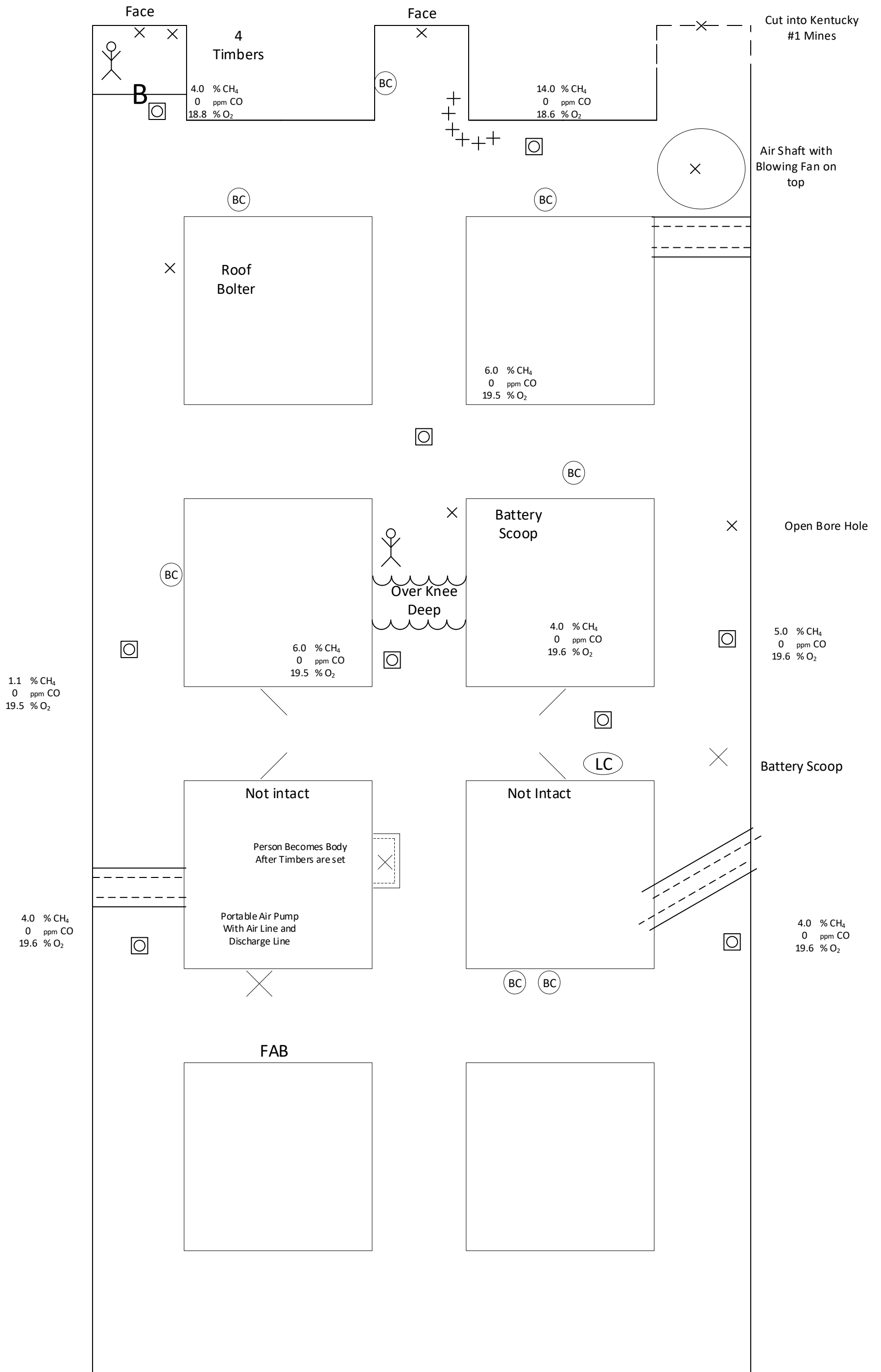
All State and Federal agencies have been notified and are on site. Several mine rescue teams are also here to act as backup.

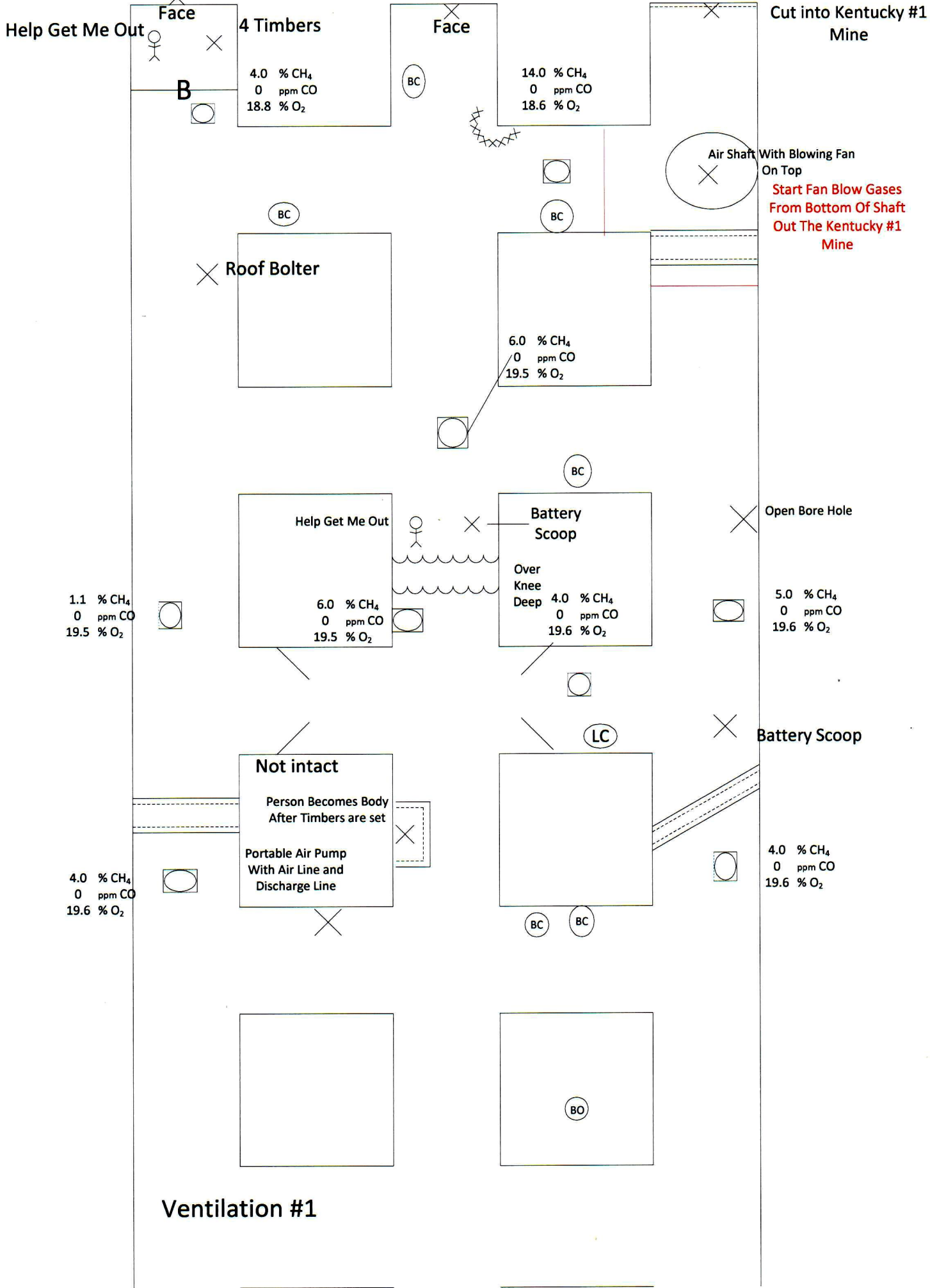
This is all the information I have at this time. Thanks and good luck.

Kentucky Agency contest written statement

- Explore the entire mine that can be done safely
- Account for all missing miners
- Bring all survivors to the fresh air base
- The blowing fan on top of the air shaft once started cannot be stopped stalled or reversed
- (Once the fan on top of the shaft is started) Teams requesting the fan to be to be stopped or reversed will be discounted and the fan will continue to run.

2019 KY Interagency Contest Key





Help Get Me Out

Face

4 Timbers

4.0 % CH₄
0 ppm CO
18.8 % O₂

B

Face

14.0 % CH₄
0 ppm CO
18.6 % O₂

Cut into Kentucky #1 Mine

Air Shaft

With Blowing Fan On Top

Start Fan Blow Gases From Bottom Of Shaft Out The Kentucky #1 Mine

BC

Roof Bolter

BC

6.0 % CH₄
0 ppm CO
19.5 % O₂

BC

Help Get Me Out

Battery Scoop

Open Bore Hole

1.1 % CH₄
0 ppm CO
19.5 % O₂

6.0 % CH₄
0 ppm CO
19.5 % O₂

Over Knee Deep
4.0 % CH₄
0 ppm CO
19.6 % O₂

5.0 % CH₄
0 ppm CO
19.6 % O₂

LC

Not intact

Person Becomes Body After Timbers are set

Battery Scoop

4.0 % CH₄
0 ppm CO
19.6 % O₂

Portable Air Pump With Air Line and Discharge Line

4.0 % CH₄
0 ppm CO
19.6 % O₂

BC

BC

BO

Ventilation #1

Help Get Me Out

Face

4 Timbers

Face

Cut into Kentucky #1 Mine

Once Built Gas In #2 Intersection and #1 entry Will Clear

B

4.0 % CH₄
0 ppm CO
18.8 % O₂

14.0 % CH₄
0 ppm CO
18.6 % O₂

Air Shaft With Blowing Fan On Top

BC

BC

Roof Bolter

Teams Must Maintain This Stopping At All Times

Removed

Teams Must Have All The Ventilation Controls In. Teams Can Then Take This Stopping Out. This Will Allow Air To Flow Into The Working Area and Out Through Kentucky #1 Mine. Teams Must Then Airlock Back Into The Shaft And Build To Cut The Air Off To The Kentucky #1 Mine.

Clear

6.0 % CH₄
0 ppm CO
19.5 % O₂

BC

Help Get Me Out

Battery Scoop

Open Bore Hole

Clear

1.1 % CH₄
0 ppm CO
19.5 % O₂

6.0 % CH₄
0 ppm CO
19.5 % O₂

Over Knee Deep
4.0 % CH₄
0 ppm CO
19.6 % O₂

5.0 % CH₄
0 ppm CO
19.6 % O₂

LC

Battery Scoop

Not intact

Must Build One of These

Person Becomes Body After Timbers are set
Portable Air Pump With Air Line and Discharge Line

4.0 % CH₄
0 ppm CO
19.6 % O₂

4.0 % CH₄
0 ppm CO
19.6 % O₂

BC

BC

BO

Ventilation #2

