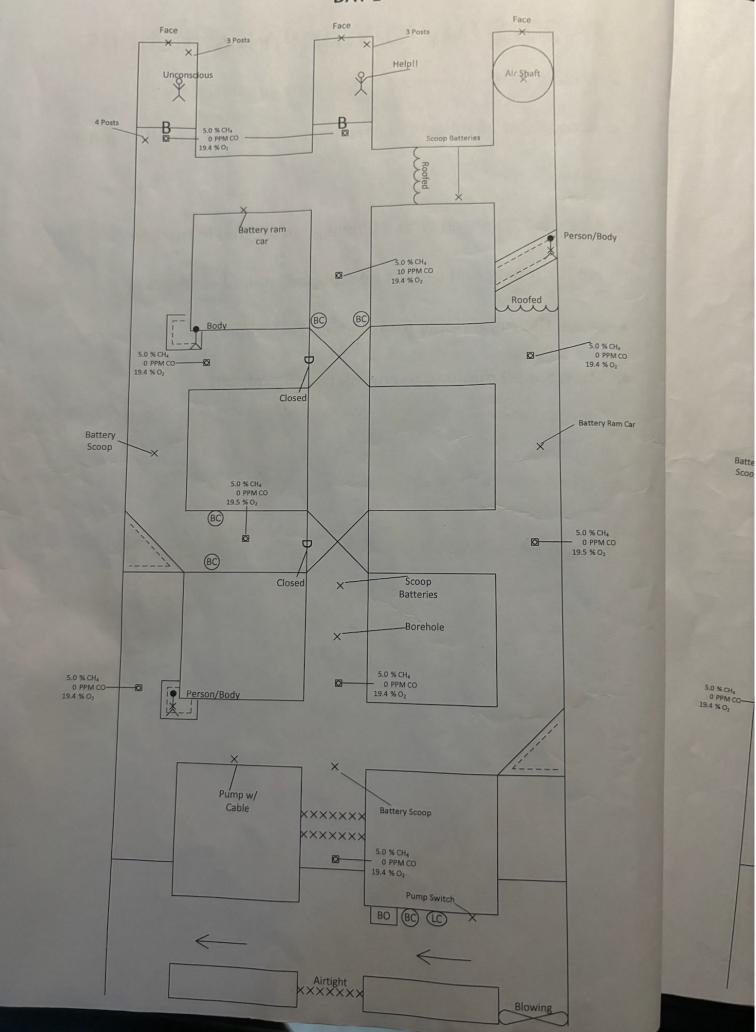
# PA 2025 Day #1 Statement

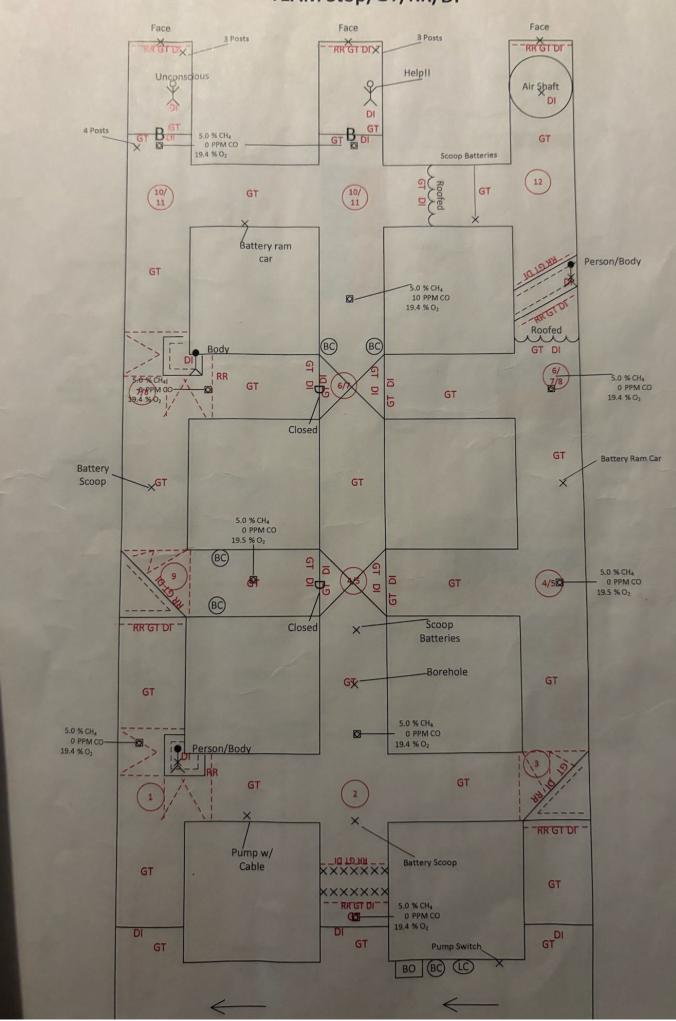
Thank you for answering our call for help. Last night a five-man crew entered the mine to get the section ready for production. The communications and tracking system quit working, and we have not been able to talk to the crew. The mine examiner could not complete his pre-shift exam due to high levels of methane gas, low levels of oxygen and poor roof conditions. Please help us find our missing miners. There is a back-up mine rescue team here on the surface.

## PA 2025 Day #1 Written Instructions

- Explore the entire mine if can be done so safely.
- Account for all missing miners and bring survivors to the fresh air base.
- The mine is vented with a blowing fan located in the #3 entry. The fan is running and cannot be stopped, stalled or reversed.
- Leave the mine ready for barefaced exploration.
- You have 90 minutes to complete the problem.

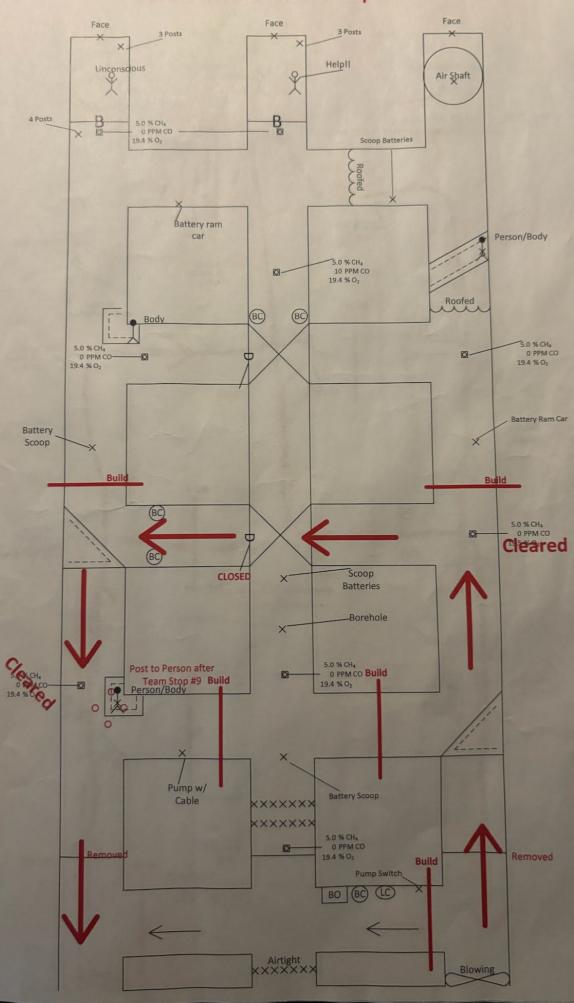


#### TEAM Stop/GT/RR/DI

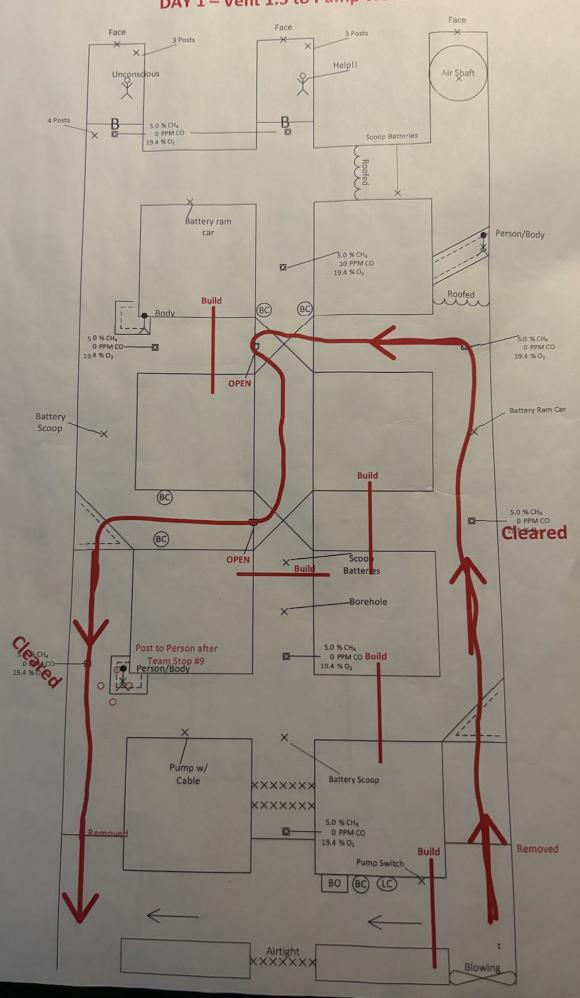


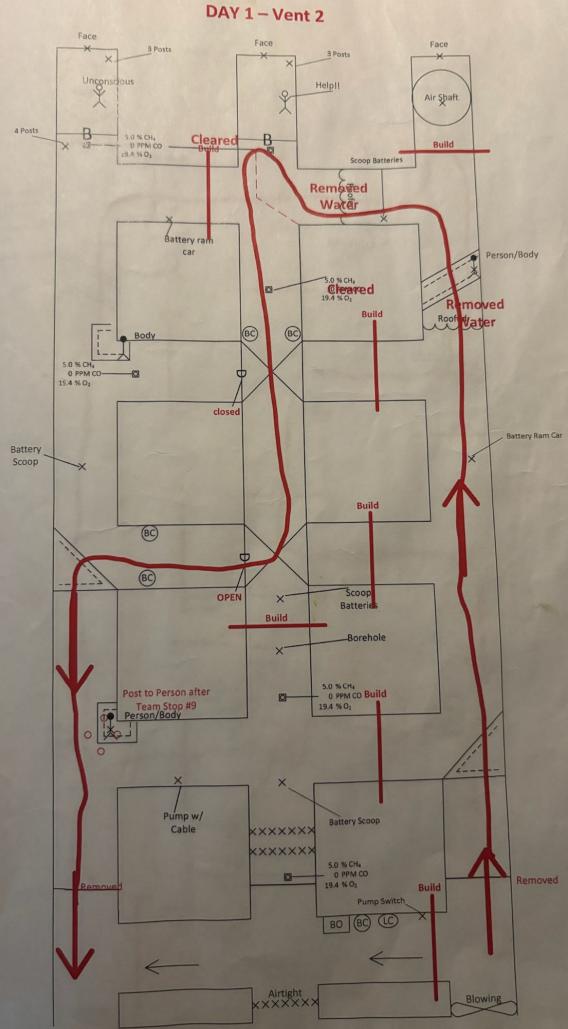
#### **Extent of Gas** Face Face 3 Posts Face 3 Posts HelpII Air Shaft Unconscious 4 Posts 5.0 % CH<sub>4</sub> - 0 PPM CO 19.4 % O<sub>2</sub> Scoop Batteries Battery ram Person/Body car 5.0 % CH<sub>4</sub> 10 PPM CO 19.4 % O<sub>2</sub> Roofed BC (BC) 5.0 % CH<sub>4</sub> 0 PPM CO 19.4 % O<sub>2</sub> 5.0 % CH<sub>4</sub> 0 PPM 0 19.4 % O<sub>3</sub> Ф Closed Battery Ram Car Battery Scoop 5.0 % CH<sub>4</sub> 0 PPM CO 19.5 % O<sub>2</sub> 5.0 % CH<sub>4</sub> - 0 PPM CO 19.5 % O<sub>2</sub> Ф Scoop Closed Batteries \_Borehole 5.0 % CH<sub>4</sub> - 0 PPM CO 19.4 % O<sub>2</sub> 5.0 % CH<sub>4</sub> 0 PPM CO-19.4 % O<sub>2</sub> 0 Body 10 Pump w/ Battery Scoop Cable ×××××× XXXXXX 5.0 % CH<sub>4</sub> 0 PPM CO 19.4 % O<sub>2</sub> Pump Switch BO BC LC Airtight XXXXXX Blowing

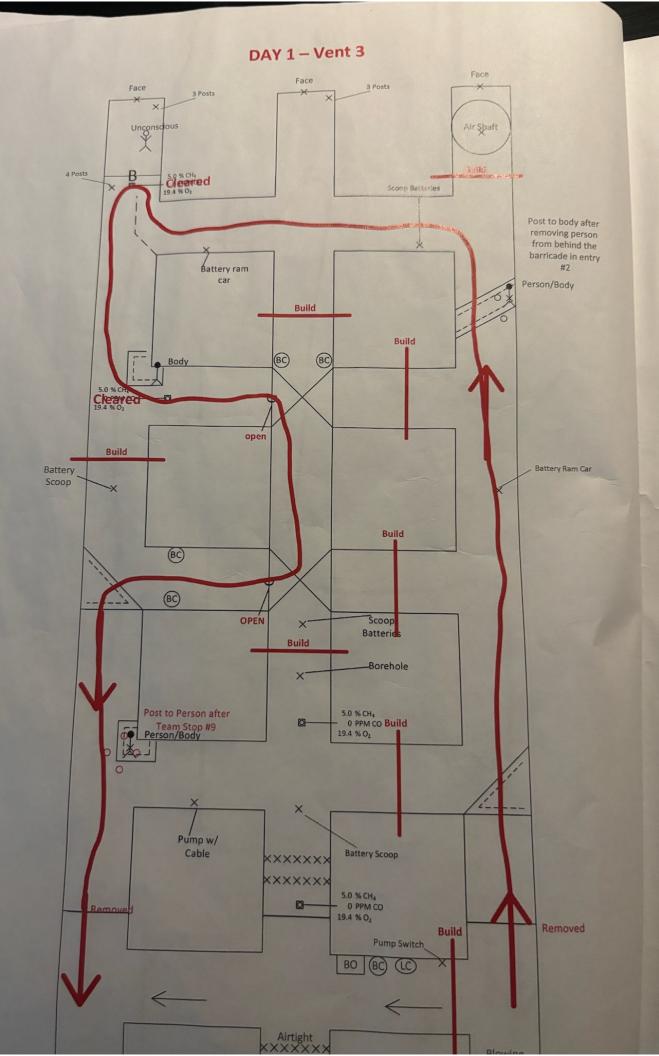
#### DAY 1 - Vent 1 to Pump



DAY 1 - Vent 1.5 to Pump Water







### DAY 1 - Vent 4

