

Field map

2015 Pennsylvania State Mine Rescue Contest

Team Statement

Thank you for responding to this emergency to the Mine # 3.

You will begin work at the established fresh air base.

Last night while 6 miners were doing routine maintenance in the 4 Right section of the mine, the air monitoring system alerted the responsible person on the surface at 1am of high CO levels at the 2 Left main section. No other persons were underground at the time.

When the responsible person could not reach anyone underground, he immediately activated the Emergency Notification List .

Shortly after 4:30 am, one miner returned to surface stating that he felt a blast of hot air and dust inby the 4 Right section on the Mains. He could not contact the other miners.

The tracking system has indicated that the missing miners are in this area.

The mine rescue teams arrived at 6:30 am and with permission of the State, Federal and Company officials started a bare faced exploration of the outby areas.

You are currently located at the fresh air base on the 4 Right section. The previous mine rescue teams explored everything to this point.

This mine runs on an blowing ventilation system. The fan is running.

The intake is #1 entry on the left and the # 3 entry is the return on the right.

The return air shaft is in entry # 3 in the fresh air base with 2 closure doors, both doors are open.

All electrical circuits and conduits have has been disconnected inby this point. The belt line has been cut outby the suspected incident area.

The coal seam being mined is walking height and the roof is supported by resin based roof bolts.

Water has been encountered in the mine.

Two mine rescue teams will serve as back up mine rescue teams while you are working. One team will be able to assist you in barefaced fresh air base ventilation upon request when working the problem. Both teams are located outby the FAB in entry # 1.

We have a competent judge to give and receive lifeline signals if required.

Written instructions and the following mine maps will be provide when you are ready to work:

1. Two blank maps; one for the map man and one for the briefing officer/command center.

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Problem

(Written Instructions)

Teams can only carry 3 (three) sets of brattice cloth at any time.

Framed ventilation controls cannot be dismantled and must remain in place.

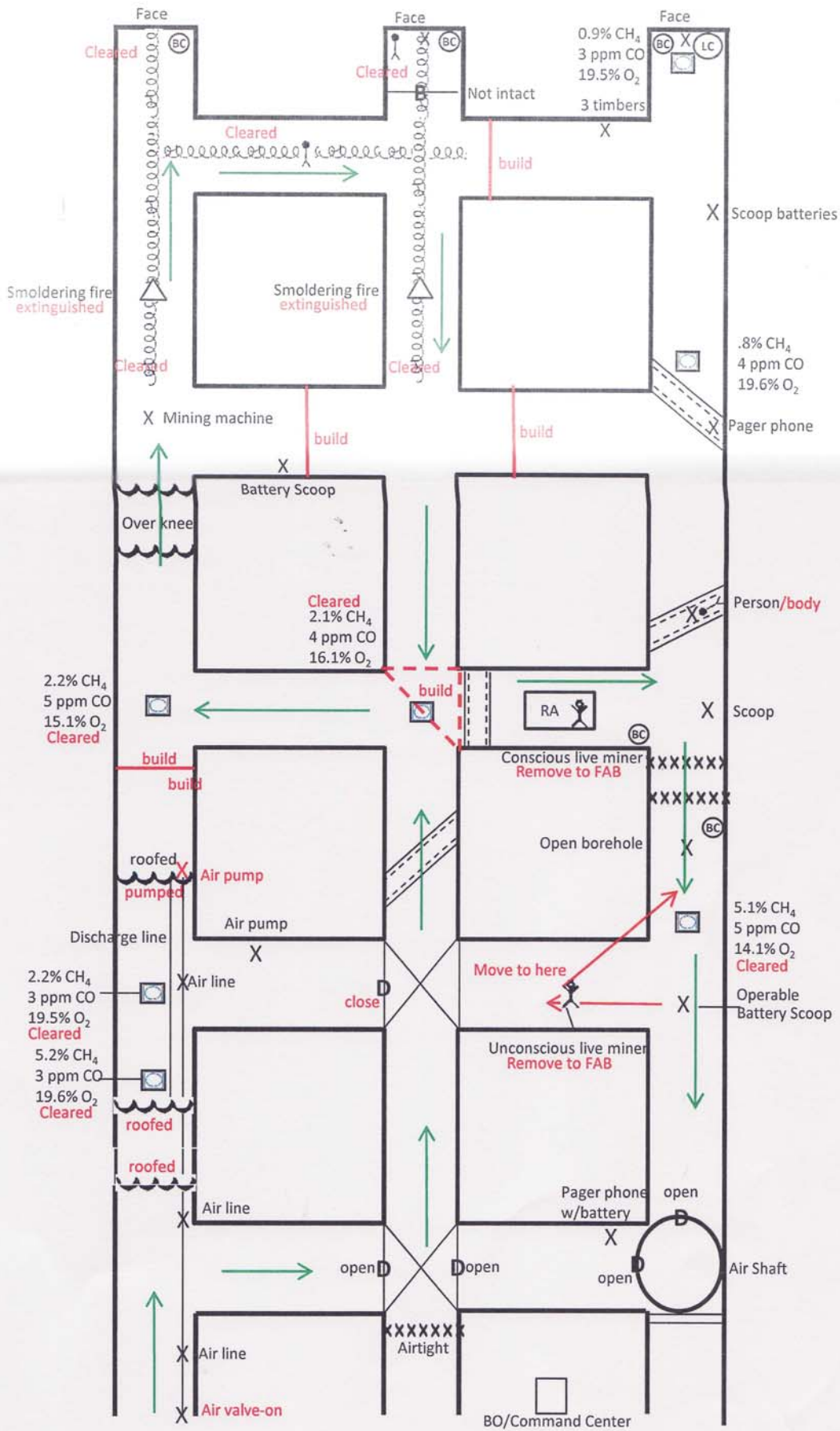
If water is pumped, it occupies the same amount of space where pumped from.

Water can only be pumped once.

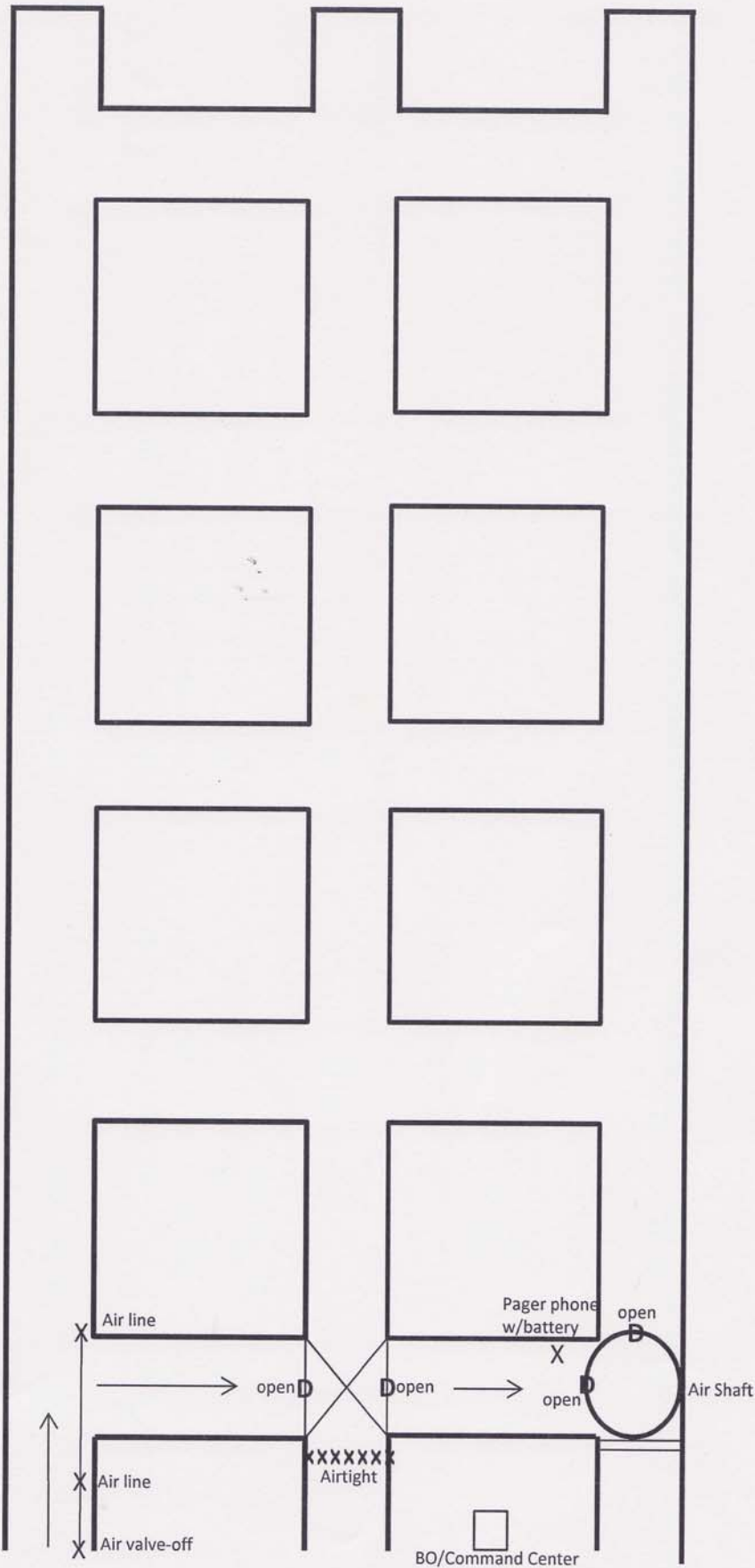
The mine fan cannot be reversed. *Always Blowing*

Mine maps are up to date.

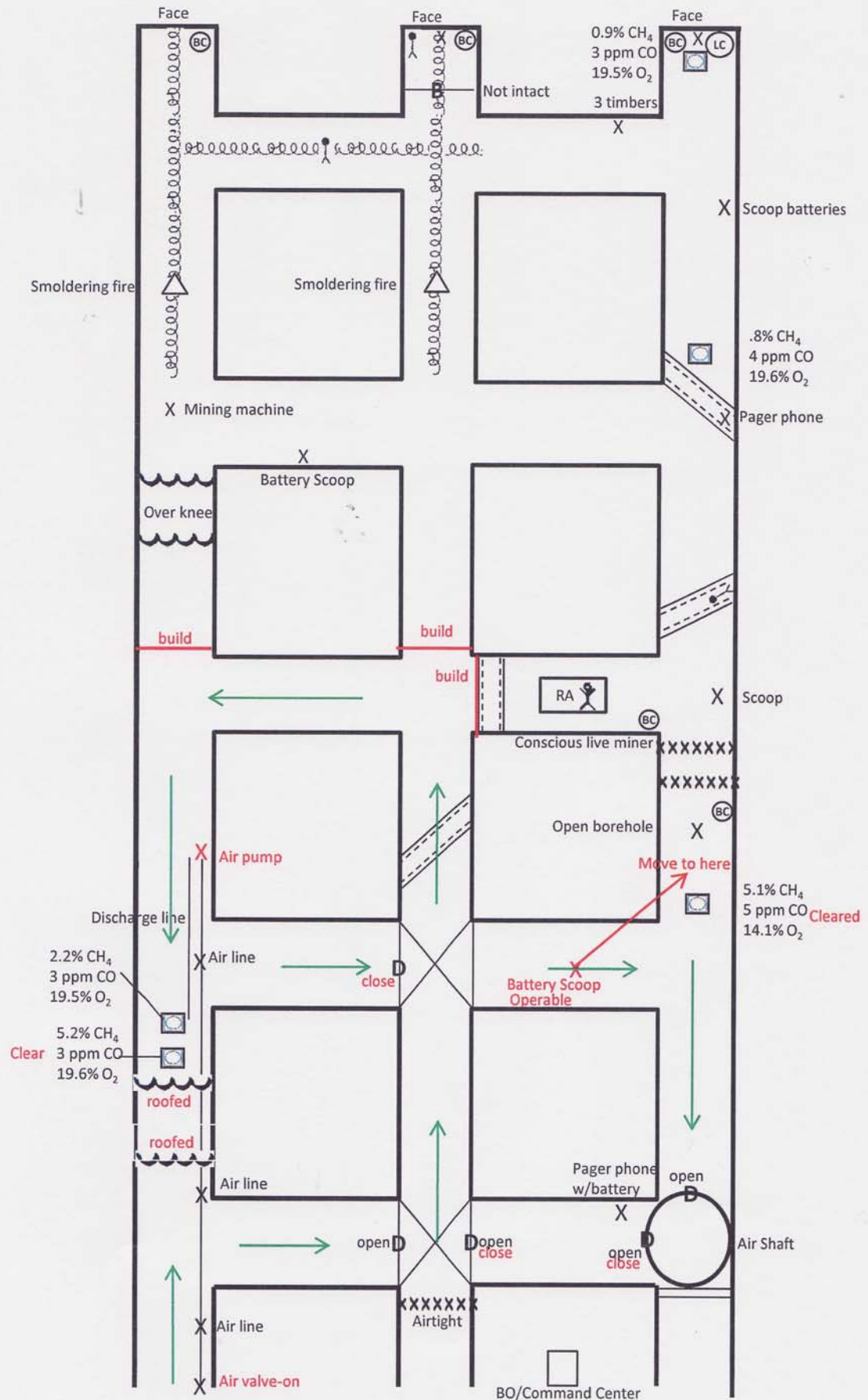
After accounting for the missing miners, ventilate the mine of all irrespirable and explosive mixtures. *must clearing*



Final Map



Blank



Ventilation # 2