

Statement
Illinois Mine Rescue Contest
August 24, 2005

Hello, my name is _____. Superintendent of this mine. You are located at the fresh air base of the 3rd West Headgate Unit, which is developing three gate entries for the longwall. Sometime last night the unit lost their ventilation and shortly thereafter a pulse of air was felt in the outby entries. Attempts to contact the unit have been unsuccessful. A crew of four miners were in the unit and have not been heard from since. The 3rd West Headgate Unit has been driven close to the boundary and was about to turn three bleeder entries to the right to connect up with the 2nd West gate entries.

Two set-up entries have been connected and were being ventilated with intake leakage into the 2nd West entries and into the bleeder system. Rescue teams have explored into all the areas outby us, and in the two set-up entries to our right. The team which explored the set-up entries found a regulator that was damaged and subsequently failed due to the high pressure exhausting bleeder fan. They explored back toward this location but were stopped by water and unsafe roof.

These teams will serve as your back-up as you are working. You may request assistance from them through you Superintendent. The back-up team is limited to removing and/or relocating existing ventilation controls. Each request for assistance, regardless of the number of builds or removals, will take two minutes. The team will mark the changes on the map, initial the map, and present it to the Superintendent. The Superintendent will notify the team when the changes have been made. No additional work, including exploration, will be permitted during this two minute time period.

The 3rd West was ventilated by an intake on your right, #3, coursing to the return on your left, #1. The belt was a regulated intake, but is now blocked by the fall just outby our location. Currently, all intake air is shorting through the set-up entries to the 2nd West gate entries and bleeder system. The #1 return is still available for use, although there is no air movement at our current location.

Maps of both ventilation before and after will be provided. Also, the mine map you will receive is up to date. The coal seam is walking height. All electrical circuits in by the fresh air base have been deenergized.

The mine is ventilated by a main exhaust fan, and by the exhausting bleeder fan, which was previously mentioned. Both fans must remain running and cannot be reversed.

The clock is located _____
The three judges are _____
The timekeeper is _____
The lifeline judge is _____

You may have a copy of this statement if you wish. Good luck.

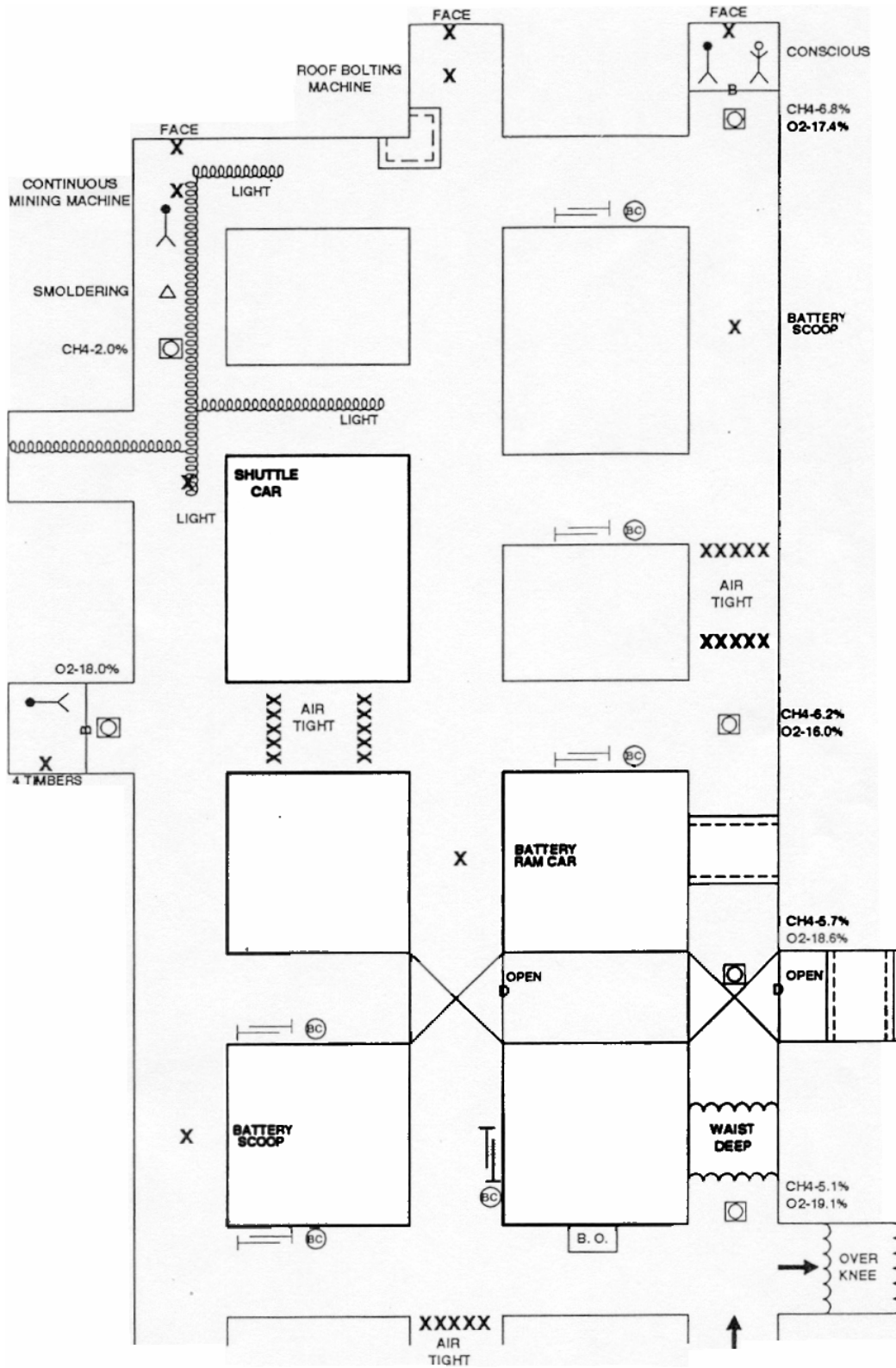
PATIENT STATEMENT

HELP! HELP!

GET ME OUT!

THE AREA IS AIRTIGHT

THERE IS A FACE BEHIND ME

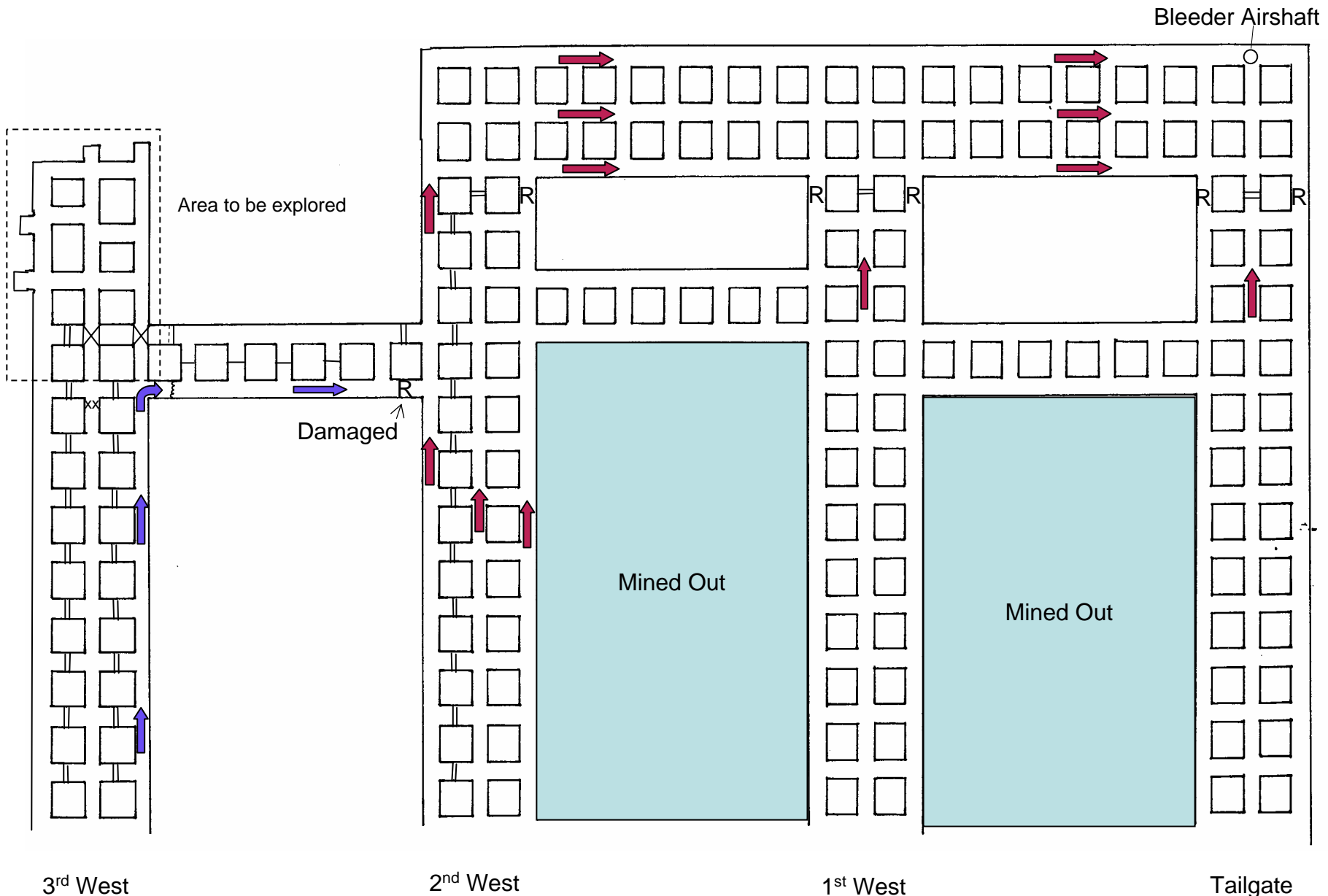


**ILLINOIS MINE RESCUE CONTEST
AUGUST 24, 2005**

PROBLEM

You are to explore all of the mine that can be explored safely.

Account for all missing persons and bring all survivors to the fresh air base.



Bleeder Airshaft

Area to be explored

Damaged

Mined Out

Mined Out

3rd West

2nd West

1st West

Tailgate

Ventilation After