# 2015 DAY #2 MINE RESCUE PROBLEM



SEPTEMBER 16, 2015 LEXINGTON, KY JUDGES PACKET

### NATIONAL MINE RESCUE CONTEST

### Day #2 Superintendent Statement

Thank you for answering our call for help and for your quick response. I am the mine Superintendent of the Trinity Coal Company, #1 Mine.

Last night four electricians and three examiners went to the west left panel, off 2 left mains, to repair equipment and finish weekly exams.

Nearing the end of the shift, one of the miners called out and said they smelled smoke. The responsible person immediately ran to the check the return portal. No response has been given from anyone since that time.

You are currently located in the fresh air base at crosscut #46 on the west left panel.

This mine has a history of methane liberation, accumulating water, and bad roof.

This mine has a blowing fan which is currently on. It is being monitored and guarded. When in blowing mode, air enters the section in the #1 entry and exits down #3 entry. Due to electrical problems, the fan can only be reversed (as many times as needed). The fan can not be stopped or stalled. To reverse the fan, you must ask the superintendent to do so.

No other electrical power is currently available, but we do have certified electricians working on the problem. The teams will be notified when power is available to pump water, etc.

All authorities have been notified.

The seam height here is about 7 foot. All outby areas have been explored and the mine map is up-to-date.

There is a trained mine rescue team here as a back-up.

We have a trained lifeline judge.

All face-down placards will be turned over by the captain prior to he/she passing the placard.

Please find the missing miners, thank you and Good luck.

### **PROBLEM**

ACCOUNT FOR ALL MISSING MINERS AND BRING SURVIVORS TO THE FAB

EXPLORE ALL AREAS OF THE MINE THAT CAN BE DONE SAFELY

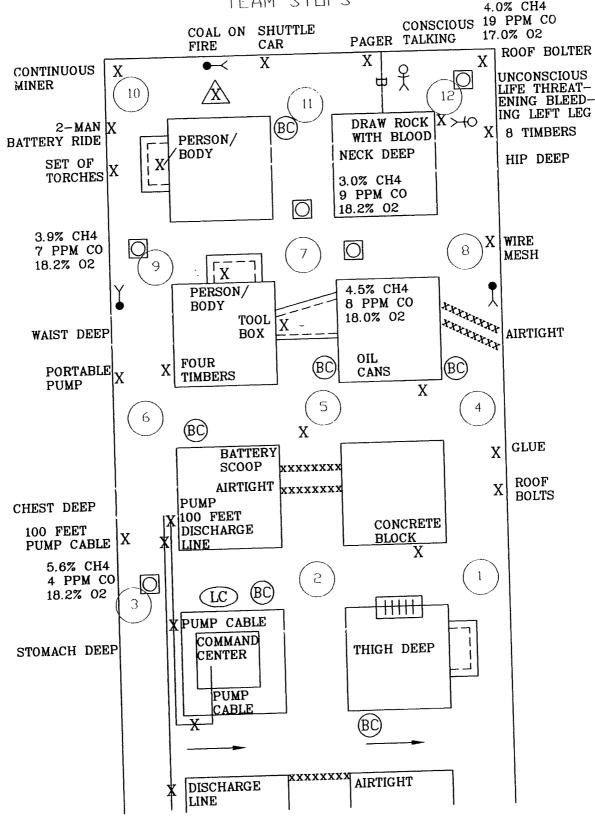
TEAM CAN ONLY CARRY TWO SETS OF BRATTICE CLOTH WHILE ADVANCING OR RETREATING

COMMAND CENTER MUST ASK
SUPERINTENDENT IN WRITING WHICH
DIRECTION TEAM WANTS AIR FLOW FROM
THE FAN. CC MUST MARK AIR DIRECTION
EACH TIME REQUEST IS MADE.

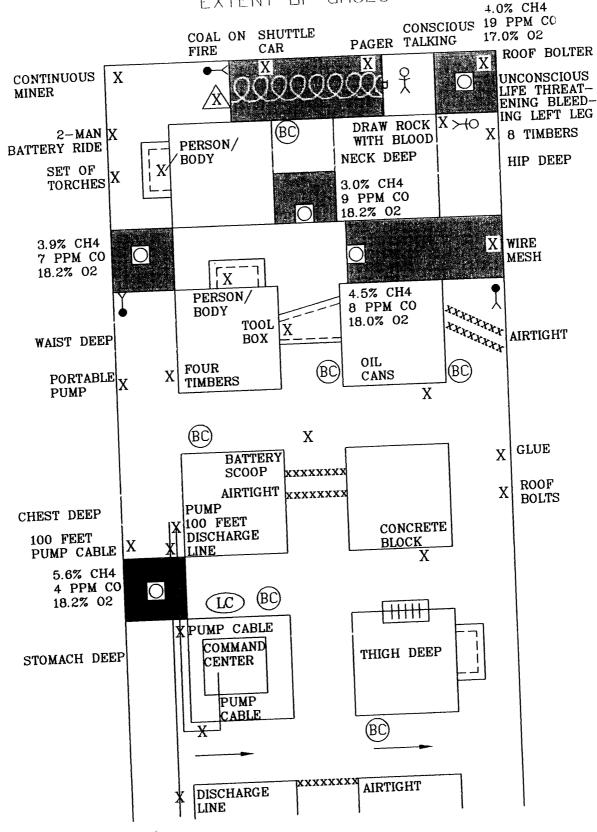
TEAM HAS 75 MINUTES TO WORK PROBLEM BEFORE REPLACED BY A BACKUP TEAM

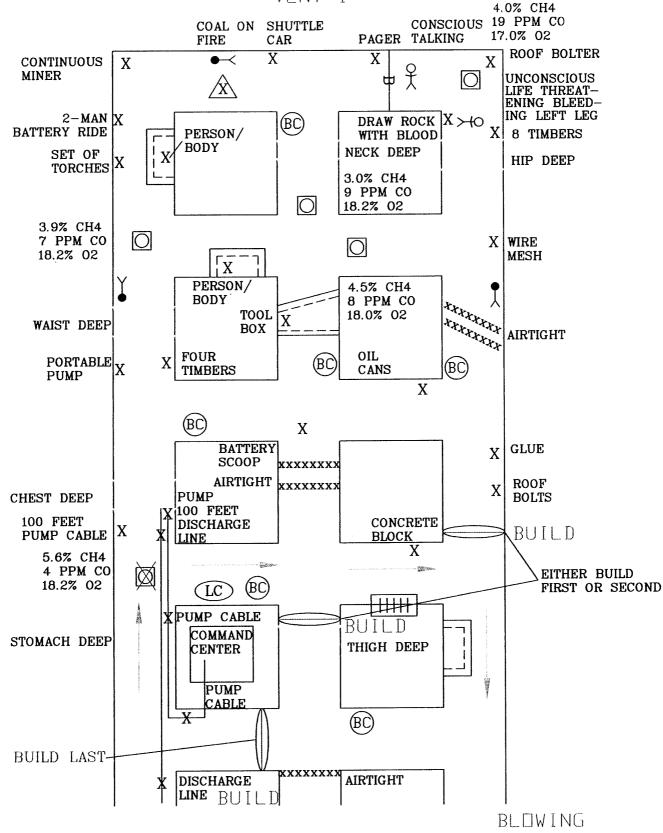
PROBLEM MAP 4.0% CH4 CONSCIOUS 19 PPM CO COAL ON SHUTTLE 17.0% 02 PAGER TALKING CAR FIRE ROOF BOLTER X CONTINUOUS X X UNCONSCIOUS MOST RECTOR MOUNT LIFE THREAT— STORE COMO OF ING LEFT LEG MINER ф 2-MAN X DRAW ROCK |X >+(0 (BC) BATTERY RIDE PERSON/ 8 TIMBERS WITH BLOOD BODY | X NECK DEEP SET OF TORCHES HIP DEEP 3.0% CH4 9 PPM CO 18.2% 02 3.9% CH4  $\bigcirc$ 7 PPM CO X | WIRE 18.2% 02 MESH PERSON/ 4.5% CH4 **BODY** 8 PPM CO TOOL X 18.0% 02 WAIST DEEP BOX **AIRTIGHT** PORTABLE **FOUR** OIL X (BC TOCHERY TIMBERS CANS PUMP X X BATTERY **GLUE** X **SCOOP** XXXXXXXX **AIRTIGHT** xxxxxxx ROOF PUMP (million Prop CHEST DEEP BOLTS 100 FEET 100 FEET DISCHARGE CONCRETE PUMP CABLE LINE BLOCK 5.6% CH4 4 PPM CO 18.2% 02 (BC (LC) +++++ XPUMP CABLE COMMAND STOMACH DEEP CENTER THIGH DEEP PUMP CABLE (BC XXXXXXX DISCHARGE **AIRTIGHT** LINE

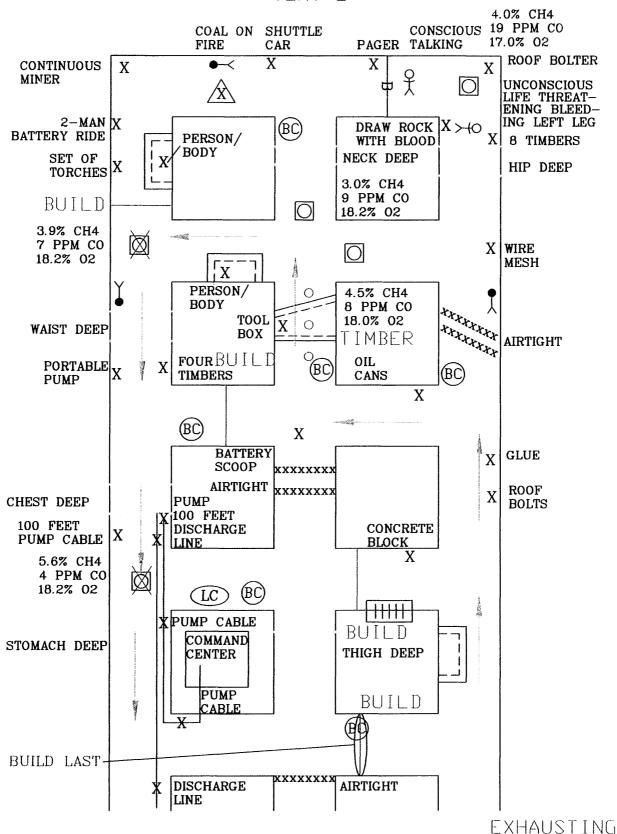
### TEAM STOPS

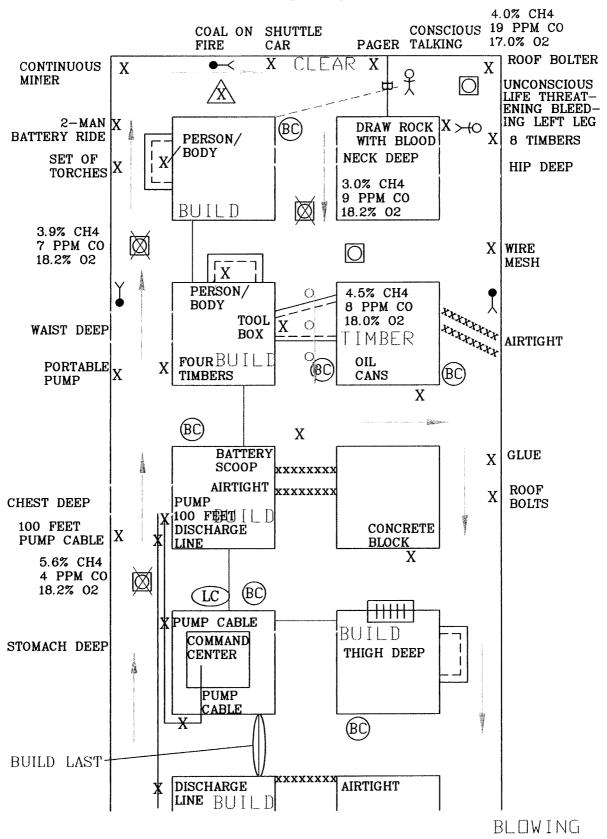


## EXTENT OF GASES









## FAN CHANGE REQUESTS

· : QUEST #1	
OWING	EXHAUSTING
FEQUEST #2	
FLOWING	EXHAUSTING
REQUEST #3	
BLOWING	EXHAUSTING
REQUEST #4	
BLOWING	EXHAUSTING
REQUEST #5	
BLOWING	EXHAUSTING

# HELP! THERE ARE TWO OF US BACK HERE

# **BARRICADE STATEMENT**

# HELP! THERE ARE TWO OF US BACK HERE

JUDGE'S VENT MAP 4.0% CH4 19 PPM CO 17.0% 02  $\triangle$ 2-MAN X TEAM NO.\_\_\_\_\_ BATTERY RIDE PERSON/ FIELD NO.\_\_\_\_ BODY | X 3.0% CH4 9 PPM CO 18.2% 02 Chm.\_\_\_\_ 3.9% CH4 7 PPM CO Judge\_\_\_\_\_ 18.2% 02 Judge\_\_\_\_\_ PERSON/ Judge\_\_\_\_\_ 4.5% CH4 **BODY** 8 РРМ СО AIRTIGHT 18.0% 02 X BATTERY SC00P xxxxxxx AIRTIGHT XXXXXXXX 5.6% CH4 4 PPM CO 18.2% 02 XXXXXXX **AIRTIGHT**