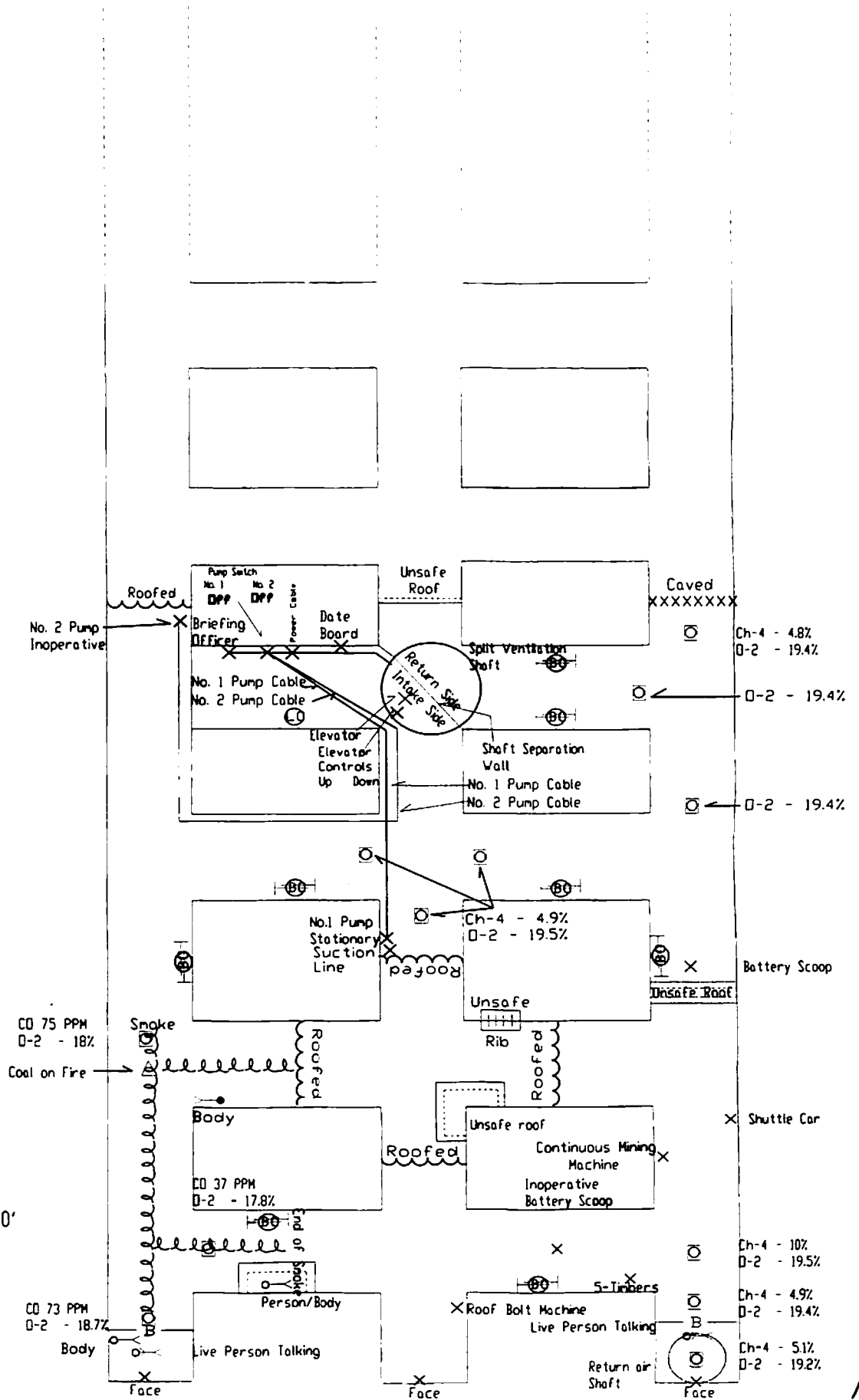


North



Scale: 1' = 10'

VIRGINIA MINING INSTITUTE-06 CHAIRMAN'S INSTRUCTIONS

- Before the team arrives on the field, the chairman will check the field for mistakes and placard placement.
- The Chairman is responsible to account for all judges.
- The Chairman is responsible for the stopwatch and for its return to Wayne Davis.
- The Chairman will assign a judge to be the official timekeeper.
- The Chairman, or other judge designated by the Chairman, is responsible for turning all placards.
- The Chairman will place patient No. 1 behind the barricade in the face of No.3 entry. Instruct the patient to start reading the "Patient No. 1 Statement" when the team enters the intersection outby the barricade.
- The Chairman will place patient No. 2 (May have to use a judge) behind the barricade located at the air shaft in the No. 1 entry. Instruct the patient to start reading the "Patient No. 2 Statement" when the team enters the intersection outby the barricade.
- The Chairman is responsible for having all the judges return to the surface at the completion of the problem and must receive both maps from the working team after the clock is stopped.
- The Chairman will check the time clock with the official timekeeper at the end of the problem. (minutes and seconds must be put on the working team's scorecard.)

- At the completion of the problem, the Chairman and one judge will check the mine and mark on a blank map how the ventilation controls were left by the working team. This map will be submitted to the Map Examiners.
- The Chairman is responsible for having all judges, including the Superintendent, to fill out the scorecards after the completion of the problem.

VIRGINIA MINING INSTITUTE 2006 SUPERINTENDENT'S INSTRUCTIONS

- The superintendent shall assist the field manager in checking the field for mistakes and placard placement prior to any team starting the problem.
- When the team arrives and is ready, the superintendent shall read the prepared statement but will not answer questions regarding the problem or conditions in the mine.
- A maximum of five (5) minutes will be allowed for the team to review the statement after the superintendent reads it to them.
- After the clock is started the superintendent will give the team copies of the team instructions, mine maps and a copy of the written statement.
- After giving the team instructions and maps to the team the superintendent will go to the command center to respond to any communications with the briefing officer.
- The superintendent is responsible for monitoring the pump status. Each time the superintendent is notified of energizing or de-energizing the pump circuit, the superintendent is to record the time and the status of the circuit.
- After the team brings the No. 2 patient (behind the barricade in No. 1 entry.) outside the superintendent is to hand them a note telling them their time underground is over.
- The superintendent will assist judges in filling out the scorecards upon conclusion of the problem.

VIRGINIA MINING INSTITUTE, 2006
FIRST DAY PROBLEM
STATEMENT

I AM _____ SUPERINTENDENT OF THE BEN LOST COAL COMPANY, HIGH WEEDS MINE. YOU ARE LOCATED ON THE SURFACE, AT THE TOP OF A NEW SPLIT VENTILATION SHAFT. THIS SHAFT VENTILATES A NEW BOUNDARY OF COAL THAT IS BEING DEVELOPED UNDERGROUND BY 2 CONTINUOUS MINER SECTIONS. ALL OF THE OLD CONTINUOUS MINER PANELS HAVE BEEN SEALED EXCEPT FOR THE 3 ENTRIES OF THE 4 NORTH MAINS. THE NO. 2 ENTRY HAS BEEN SEALED BUT HIGH LEVELS OF METHANE PREVENTED THE COMPLETION OF THE NO. 1 AND NO. 3 SEALS.

THE SOUTH MAINS SECTION IS DRIVING TOWARD A NEW RETURN AIR SHAFT AND WAS PROJECTED TO CUT INTO THE SHAFT ON THE MIDNIGHT SHIFT TONIGHT. THE NORTH MAINS SECTION IS DRIVING TOWARD THE OLD 1 WEST MAINS WITH PLANS TO DRIVE WITHIN 20 FT. OF THE MAINS, STOP MINING AND INSTALL CONTROLS TO PREVENT ANY AIR EXCHANGE FROM THE HIGH WEEDS MINE. WE WOULD THEN MINE INTO THE AREA AND FINISH THE 4 NORTH SEALS, VENTILATE THE AREA AND UTILIZE THE OLD SLOPE FOR BELTING OF COAL FROM THE UNDERGROUND AREA TO THE PREPARATION PLANT.

THIS MORNING AT 6 A.M. TWO (2) FIVE MAN CREWS ENTERED THE MINE TO PRODUCE COAL. AT 10:15 A.M. THE SECTION FOREMAN FROM THE SOUTH MAINS CALLED TO THE SURFACE AND REPORTED DENSE SMOKE COMING UP ON THE SECTION. AT THIS TIME HE WAS INSTRUCTED TO EVACUATE THE MINE. THE NORTH MAINS SECTION WAS NOTIFIED OF THE SITUATION AND ALSO INSTRUCTED TO EVACUATE THE MINE. THIS WAS THE LAST CONTACT THAT HAS BEEN MADE WITH BOTH CREWS. ALL OTHER MINE PERSONNEL HAVE BEEN ACCOUNTED FOR.

ALL UNDERGROUND POWER HAS BEEN DE-ENERGIZED. POWER FOR THE NO. 1 AND NO. 2 UNDERGROUND PUMPS IS OFF AT THE PUMP SWITCHES (POINT OUT). THE MAIN MINE FAN IS OFF AND CAN BE STARTED WHEN REQUESTED. ONCE STARTED THE MAIN FAN CANNOT BE STOPPED OR REVERSED.

(TURN TO PAGE 2)

THIS MINE HAS A HISTORY OF WATER AND BAD ROOF AND RIB CONDITIONS. THE COAL SEAM IS WALKING HEIGHT. A COMMAND CENTER HAS BEEN ESTABLISHED HERE ON THE SURFACE TO RELAY INFORMATION AND INSTRUCTIONS TO THE TEAMS. WE HAVE A COMPETENT LIFELINE JUDGE AVAILABLE (POINT OUT). THE MINE MAP WAS UPDATED 5 DAYS AGO. THIS IS ALL THE INFORMATION THAT WE HAVE AT THIS TIME.

NO. 1 PATIENT
STATEMENT (LOCATED
BEHIND NO. 3 ENTRY
BARRICADE)

HELP!!!! HELP!!!! GET ME
OUT OF HERE!!!!
IT'S AIRTIGHT BEHIND
ME!!!!

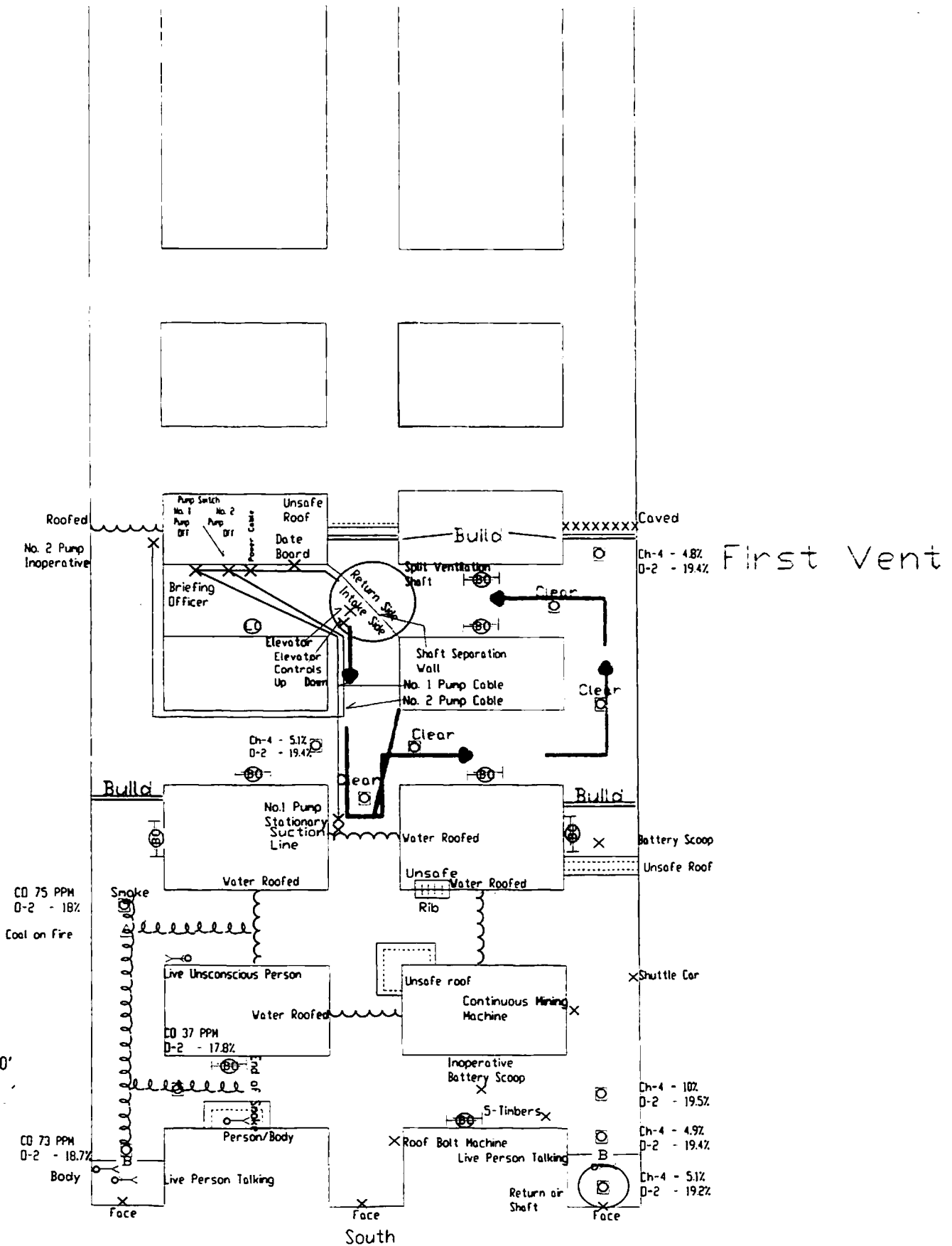
NO.2 PATIENT
STATEMENT (LOCATED
BEHIND BARRICADE IN
NO. 1 ENTRY)

HELP!!!! HELP!!!!
GET ME OUT OF HERE!!!!
THE NEW RETURN AIR
SHAFT IS BEHIND ME!!!!

Virginia Mining Institute

V - 1 - 2006

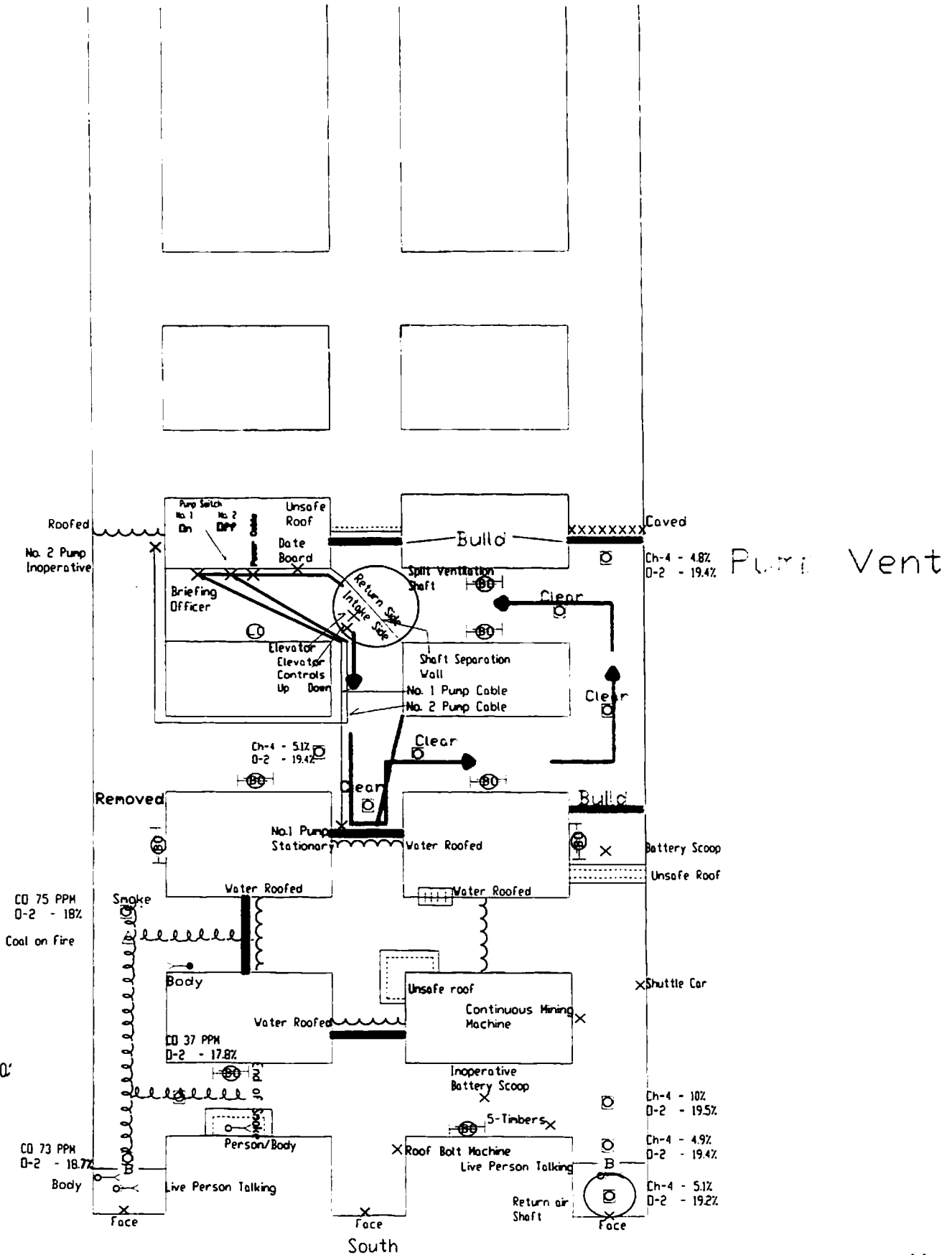
North



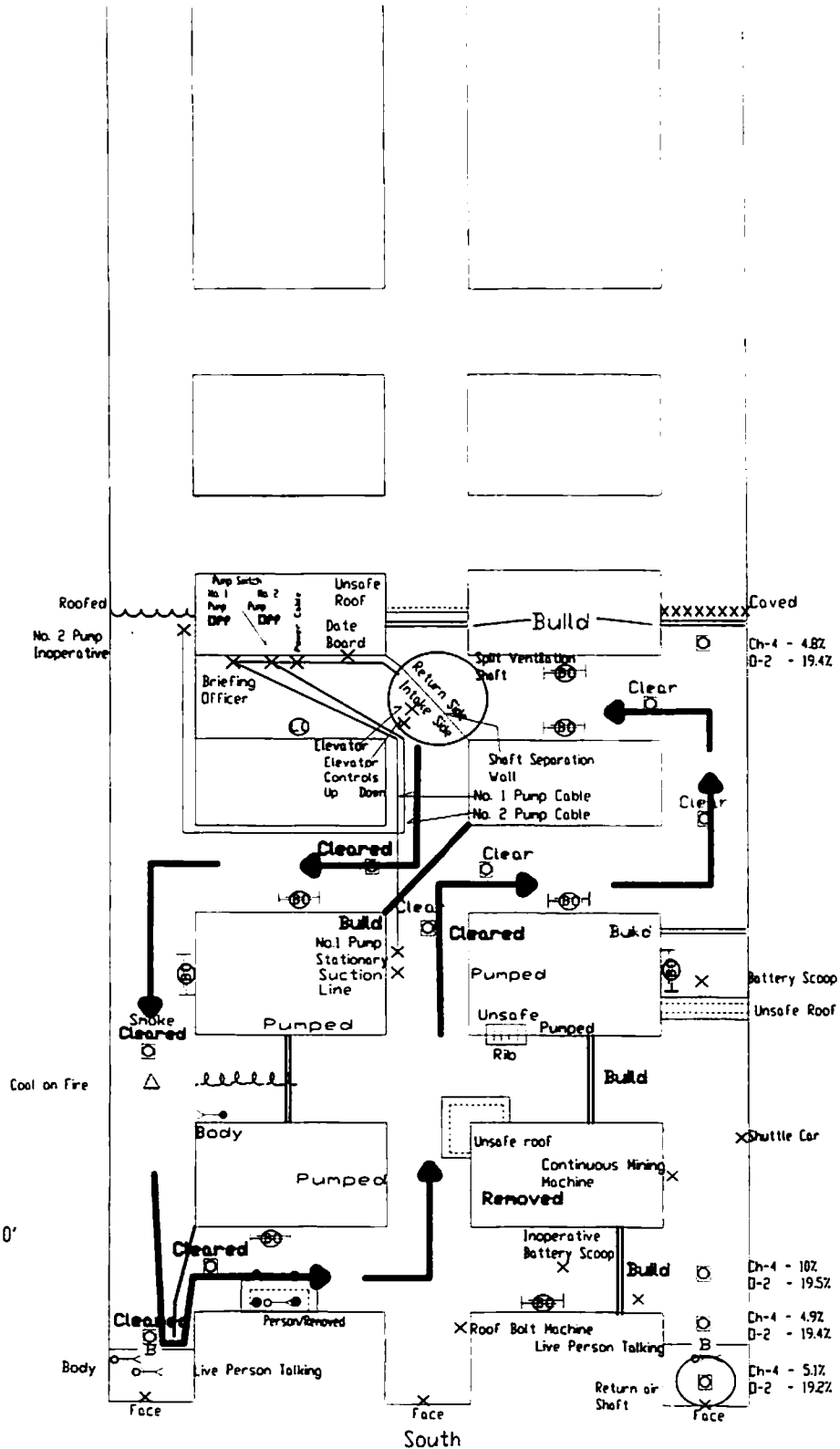
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V - 1 - 2006

North



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 V - 1 - 2006
 North



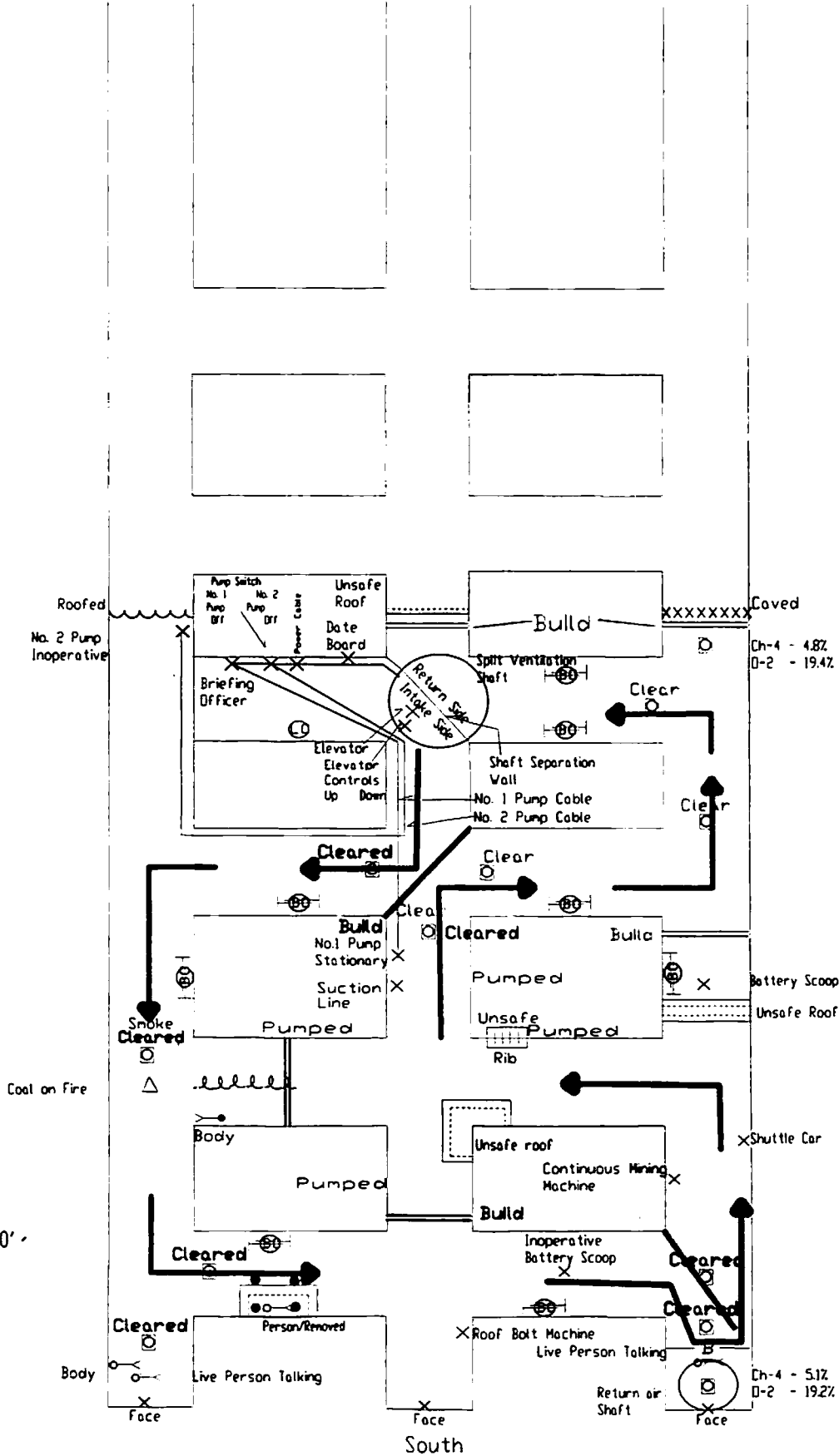
Second Vent

Scale: 1" = 10'

Virginia Mining Institute

V - 1 - 2006

North

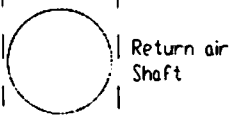
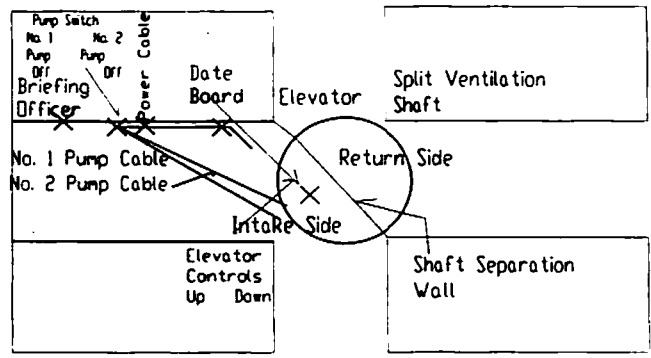


Third Vent

Scale: 1' = 10'

DAY 1 END OF PROBLEM STATEMENT

YOUR TIME UNDERGROUND IS OVER. TURN IN
YOUR MAPS AND TURN OFF THE CLOCK.



Virginia Mining Institute

Big Mine Map

