

VENTILATION PLAN

1. Ventilation devices shall be maintained to within 5 feet of the face and to the last row of supports.
2. Permanent ventilation (stoppings) shall be maintained up to and including the third connecting crosscut.
3. Air Quantities Required

Working Face	12,000 CFM
Idle Face	3,000 CFM
Bolting Face	3,000 CFM
Last Open Crosscut	20,000 CFM

4. Last open cross cut air reading can include air in vent tubing. Area of vent tubing 5 ft²

Roof Control Plan

1. The Roof Control Plan requires 5-foot fully grouted resin bolts to be installed on 5-foot by 5-foot centers, with a minimum of 4 bolts per row.
2. Roof bolts are required to be installed to within 5 feet of the face.
3. The depth of mining cuts shall not exceed 20 feet as measured from the last row of permanent supports.
4. Faces shall be bolted within 24 hours of mining; except during equipment (roof bolter) breakdowns. Upon completion of repairs, bolting of unsupported faces shall immediately begin.
5. Unsupported warning indicator to be hung on last row.

CONTESTANT STATEMENT

You have been assigned to do a pre-shift examination of the 004 section. The crew is on the section for mining coal. This includes all entries #1 - #3. Entries are 20-feet wide by 8-feet high. The mine has a history of water. Energizing / de-energizing equipment is handled through switches. All actions must be verbalized to the Judges. Gas readings and air readings will be handled through the Judges.