

The quantity of air reaching the last open crosscut in any pair or set of entries shall not be less than 6,000 cubic feet a minute. However, the quantity of air reaching the last open crosscut in any pair or set of entries in pillar sections may be less than 6,000 cubic feet a minute, provided that at least 6,000 cubic feet of air a minute is being delivered to the intake end of the pillar line. Mines now operating without the prescribed quantity of air in the last open crosscut of each pair or set of entries may continue to operate in such manner, but prompt action shall be taken to deliver the required minimum volume of air in the last open crosscut of each pair or set of entries in the mine.

(b) The air current at working faces shall under any condition have a sufficient volume and velocity to dilute and carry away smoke from blasting and any flammable or harmful gases.

(c) At least once each week, the mine foreman, his assistants, or other competent persons designated by the mine foreman, shall measure the volume of air near the main intake or main return, the amount passing through the last open crosscuts of entries, and the volume of air in each split. A record of these measurements shall be kept in a book on the surface and shall be open for inspection by interested persons.

102. (a) **Coursing of Air.** The main-intake and main-return air currents in slope mines driven after the effective date of this Act shall be in separate openings.

(b) Underground stables, battery-charging stations, and transformer stations containing liquid-filled transformers shall be well ventilated by separate splits of air conducted through vents to the return air courses and returning direct to the surface.

(c) Changes in ventilation that may affect the safety of the men shall be made when the mine is idle and with no men in the mine, other than those engaged in changing the ventilation.

103. (a) **Quality of Air.** Air in which men work or travel in mines shall be improved when it contains less than 19.5 per cent oxygen, more than 0.75 per cent carbon dioxide, or is contaminated with noxious or poisonous gases.

(b) If the air immediately returning from a split that ventilates any group of active workings contains more