

for this purpose; and

(6) The fan and tubing shall be inspected at least twice during each working shift.

(f) (1) Deficiency of oxygen and excess of carbon dioxide. — Air in mines in which workers work or travel shall be improved if it contains less than 19.5 percent oxygen, more than 0.75 percent carbon dioxide, or is contaminated with any noxious or poisonous gas.

(2) Excess methane.—Generally. If the air immediately returning from a split that ventilates any group of active workings contains more than [1.0] 1 percent methane, as determined with a permissible flame safety lamp, by air analysis or by other recognized means of accurate detection, the ventilation shall be improved.

(3) Excess methane returning from a split.—If the air immediately returning from a split contains 1.5 percent methane, a dangerous condition exists and the workers shall be withdrawn from the mine or its affected portion. Power shall be cut off from the mine or its affected portion until the dangerous condition has been corrected.

(4) Accumulation of methane.—Blasting may not be done at any working face or other place where methane has accumulated and is likely to attain an explosive mixture. The workers shall be removed from each working face or place until the condition has been corrected.

(5) Methane in face region.—If the methane content of air in any face operation exceeds [one] 1 percent at any point not less than 12 inches from the roof, face, or rib, as determined by a permissible methane detector, a permissible flame safety lamp, or chemical analysis, the workers shall be removed from the affected area until the condition has been corrected by improving the ventilation.

7-430.

(a) Unless a surface transformer is isolated by elevation at least [eight] 8 feet above the ground, it shall be enclosed in a transformer house or surrounded by a suitable fence at least [six] 6 feet high. If the enclosure is metal, it shall be grounded effectively. The gate or door to the enclosure shall be locked at all times, unless an authorized person is present.

(e) Trolley and direct and alternating current feeder wires shall be installed as follows: