

ISSUE DATE: 08/16/2010
LAST VALIDATED: 03/31/2021

PROGRAM INFORMATION BULLETIN NO. P10-13

FROM: KEVIN G. STRICKLIN
Administrator for
Coal Mine Safety and Health

SUBJECT: 30 C.F.R. § 75.324, Intentional Changes In The Ventilation System

Scope

This Program Information Bulletin (PIB) applies operators of underground coal mines, miners' representatives, Mine Safety and Health Administration (MSHA) enforcement personnel, and other interested parties.

Purpose

This Program Information Bulletin (PIB) emphasizes an operator's obligation under 30 C.F.R. § 75.324 to take specified steps to assure the health and safety of miners whenever making an intentional change to a ventilation system.

Information

The mandatory coal mine safety standard concerning intentional changes in the ventilation system, 30 C.F.R. § 75.324, provides that a person designated by the operator shall supervise any intentional change in ventilation that:

- Alters the main air current or any split of the main air current in a manner that could materially affect the safety or health of persons in the mine; or
- Affects section ventilation by 9,000 cubic feet per minute of air or more in bituminous or lignite mines, or 5,000 cubic feet per minute of air or more in anthracite mines.

The following is a list of some examples of what MSHA considers intentional changes that would materially affect the safety or health of miners. These examples are not meant to include all possibilities, but are meant to provide some general guidance:

- adding a new shaft; bringing a new fan on line;
- changing the direction of air in an air course;
- changing the direction of air in a bleeder system;

- shutting down one fan in a multiple fan system;
- starting a new operating section with ventilating quantities redistributed from other sections of the mine; and
- changing entries from intakes to returns and vice versa.

Under 30 C.F.R. § 75.370(d), “Any intentional change to the ventilation system that alters the main air current or any split of the main air current in a manner that could materially affect the safety and health of the miners, or any change to the information required in §75.371 shall be submitted to and approved by the district manager before implementation.”

Under 30 C.F.R. § 75.324(b), intentional changes in the ventilation system may be made only under the following conditions:

- Electric power must be removed from areas affected by the ventilation change and mechanized equipment in those areas must be shut off before the ventilation change begins.
- Only persons making the change in ventilation may be in the mine.
- Electric power may not be restored to the areas affected by the ventilation change and mechanized equipment may not be restarted until a certified person has examined these areas for methane accumulation and for oxygen deficiency and has determined that the areas are safe.

Failure to follow 30 C.F.R. § 75.324 can create serious health and safety hazards. As a result, MSHA has determined that one operator’s failure to comply with the provisions of § 75.324 constituted a “flagrant” violation of the Federal Mine Safety and Health Act of 1977, and the Agency will continue to use appropriate enforcement tools to assure compliance with these and other mandatory safety and health standards.

MSHA maintains an anonymous hotline to report hazardous conditions. The phone number is **1-800-746-1553**. Persons may also report hazardous conditions to their MSHA District office. MSHA will promptly investigate any report of a hazardous condition at a mine.

Background

On April 21, 2010, MSHA launched inspections at 57 coal mines whose enforcement history indicated a significant number of violations related to methane accumulations, ventilation, rock dusting applications, and mine examinations. These impact inspections followed the April 5, 2010, explosion at the Upper Big Branch Mine in Montcoal, West Virginia, and focused attention on mine ventilation, rock dusting, methane monitoring, and mine examinations.

In addition, on May 24, 2010, the House Education and Labor Committee conducted a hearing on the Upper Big Branch explosion. The Committee heard testimony from deceased miners' families. The testimony addressed issues regarding safety conditions in existence prior to the explosion including inadequate ventilation, intentional changes to ventilation systems, high levels of methane, excessive coal float dust, "bridging out" methane monitors on mining equipment, advance notice of MSHA inspections, and retaliation for miners who raised safety and health issues.

This PIB emphasizes that MSHA intends for mine operators to fully comply with the Mine Act and MSHA's regulatory requirements.

Authority

The Federal Mine Safety and Health Act of 1977, as amended, 30 U.S.C. § 801 et seq.; 30 C.F.R. §§ 75.324, 75.370, and 75.371.

Internet Availability

This PIB may be viewed on the Internet by accessing the [MSHA home page](#), then choosing "Compliance Info" and "Program Information Bulletins."

Issuing Office and Contact Person

Mine Safety and Health Enforcement

Don Vickers, (202) 693-9760

E-mail: Vickers.Donald@dol.gov

Distribution

MSHA Program Policy Manual Holders

Underground Coal Mine Operators

Coal Special Interest Groups