



Ohio Administrative Code

Rule 1501:10-2-07 Exhaust emissions monitoring and control.

Effective: November 3, 2011

(A) Threshold limits for exhaust emissions. For the purposes of monitoring and controlling exhaust emissions, the following threshold limits of ambient concentration of exhaust emissions in the mine atmosphere shall apply:

Carbon Monoxide (CO)	35 parts per million (ppm)
Nitrogen Dioxide (NO ₂)	3 parts per million (ppm)

The concentration of these exhaust emissions shall be measured at the equipment operator's or equipment attendant's position and in by the last piece of diesel-powered equipment operating in the same split of air. A person qualified to take measurements in accordance with 30 C.F.R. 75.150 shall take measurements weekly or more often if necessary pursuant to the requirements of this chapter. The ambient emissions limits for each piece of diesel-powered equipment shall not be exceeded.

(B) Measurement of exhaust emissions shall be made with a sampling instrument no less precise than detector tubes.

(C) If the concentration of any of the emissions listed in paragraph (A) of this rule is seventy-five per cent or more of its threshold limit, the mine operator shall immediately make changes to the use of the diesel equipment, mine ventilation, or other modifications to the mining process to maintain a concentration of less than seventy-five per cent of the threshold limit.

(D) Required action if threshold limits are exceeded. If the concentration of any of the emissions listed in paragraph (A) of this rule exceeds the threshold limit, the mine operator shall immediately remove the diesel equipment operating in that split of air from service and take corrective action. After the mine operator has taken corrective action, the diesel equipment may be returned to service in its regular operating mode for emissions testing purposes only, and emissions testing shall be conducted immediately to assure that the concentration does not exceed seventy-five per cent of the threshold limit. The mine operator shall take corrective action until the concentration does not exceed seventy-five per cent of the threshold limit and shall not return the diesel equipment to full



operation until a threshold limit of less than seventy-five per cent is achieved.

(E) In addition to the other maintenance requirements set forth in this chapter, the mine operator shall make repairs and adjustments, and replacements as necessary, and conduct testing in compliance with the following requirements:

(1) Certain repairs and adjustments to be performed only by mechanic authorized by the engine manufacturer. Repair or adjustment of the fuel injection system shall be performed only by a qualified mechanic authorized by the engine manufacturer;

(2) Complete testing of the emissions system in accordance with rule 1501:10-2-21 of the Administrative Code shall be conducted prior to putting any piece of diesel-powered equipment into service after any repair or adjustment to the fuel delivery system, engine timing, or exhaust emissions control and conditioning system; and

(3) Service and maintenance of filters and exhaust system. Service and maintenance of the intake air filter, exhaust particulate filter and the exhaust system shall be performed at specific time intervals. The specific time intervals shall be based on the component manufacturer's recommendation, compliance with the engine or emissions control operation specifications and, as needed, based on the on-board diagnostics and/or emissions test results. The mine operator shall maintain accurate records of all such service and maintenance, and shall make the records available for review by the chief or his or her representative and the miners of the mine.

(F) For dates of federal rules referenced in this rule, see rule 1501:10-1-07 of the Administrative Code.