



Ohio Administrative Code

Rule 1501:10-2-11 Fire suppression for equipment and transportation.

Effective: June 27, 2024

(A) Fire suppression systems for diesel-powered equipment and fuel transportation units are subject to the provisions of this rule.

(B) The fire suppression system shall be an automatic multipurpose dry-powder type fire suppression system suitable for the intended application and listed or approved by a nationally recognized independent testing laboratory, and meet the following installation standards:

(1) Installed in accordance with the manufacturer's specifications and the limitations of the listing or approval;

(2) Installed in a protected location or guarded to minimize damage to it from routine operations;

(3) Suppressant agent distribution tubing or piping of the system secured and protected against damage, including pinching, crimping, stretching, abrasion and corrosion; and

(4) Discharge nozzles of the system positioned and aimed for maximum fire suppression effectiveness in the protected areas, with nozzles also protected against the entrance of foreign materials such as mud, coal dust or rock dust that could prevent proper discharge of suppressant agent.

(C) The fire suppression system shall provide automatic fire detection and suppression for all of the following:

(1) The engine, transmission, hydraulic pumps and tanks, fuel tanks, exposed brake units, air compressors and battery areas, as applicable, on all diesel-powered equipment; and

(2) Fuel containers and electric panels or controls used during fuel transfer operations on fuel transportation units.



(D) The fire suppression system shall include a fire alarm and system fault annunciator that can be seen and heard by the equipment operator.

(E) The fire suppression system shall provide for automatic engine shutdown when the alarm alerts the operator. Engine shutdown and discharge of suppressant agent may be delayed for a maximum of fifteen seconds after the fire alarm annunciator alerts the operator.

(F) Manual actuators. At least two manual actuators are to be provided with at least one manual actuator at each end of the equipment. If the equipment is provided with an operator's compartment, one of the mechanical actuators is to be located in the compartment within easy reach of the operator. For stationary equipment, the two manual actuators are to be located with at least one actuator on the stationary equipment and at least one actuator a safe distance away from the equipment, and in intake air.