



## Ohio Administrative Code

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

Effective: November 3, 2011

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(A) Fire suppression systems for diesel-powered equipment and fuel transportation units shall meet the requirements 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. The system shall meet the following installation requirements:

(1) The system shall be installed in accordance with the manufacturer's specifications and the limitations of the listing or approval;

(2) The system shall be 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 shall be secured and protected against damage, including pinching, crimping, stretching, abrasion and corrosion; and

(4) Discharge nozzles of the system shall be positioned and aimed for maximum fire suppression effectiveness in the protected areas. Nozzles shall also be 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 shall 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 shall be located in the compartment within easy reach of the operator. For stationary equipment, the two manual actuators shall 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.