

National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, MA 02269-9101

NFPA 302-1998—Fire Protection Standard for Pleasure, and Commercial Motorcraft 27.211

NFPA 750—Standard on Water Mist Fire Protection Systems, 2003 edition ..... 27.101

NFPA 2001—Standard on Clean Agent Fire Extinguishing Systems, 2000 edition ..... 27.101

Society of Automotive Engineers (SAE), 400 Commonwealth Drive, Warrendale, PA 15096-0001

SAE J1475-1984—Hydraulic Hose Fitting for Marine Applications ..... 27.211

SAE J1942-1989—Hose and Hose Assemblies for Marine Applications ..... 27.211

**Subpart B—Fire-Protection Measures for Towing Vessels**

**§ 27.201 What are the requirements for general alarms on towing vessels?**

(a) You must ensure that your vessel is fitted with a general alarm that:

- (1) Has a contact-maker at the operating station that can notify persons on board in the event of an emergency.
- (2) Is capable of notifying persons in any accommodation, work space, and the engine room.
- (3) Has installed, in the engine room and any other area where background noise makes a general alarm hard to hear, a supplemental flashing red light that is identified with a sign that reads:

Attention General Alarm—When Alarm Sounds or Flashes Go to Your Station.

- (4) Is tested at least once each week.
- (b) You or the operator may use a public-address (PA) system or other means of alerting all persons on your towing vessel instead of a general alarm, if the system—
  - (1) Is capable of notifying persons in any accommodation, work space, and the engine room;
  - (2) Is tested at least once each week;
  - (3) Can be activated from the operating station; and
  - (4) Complies with paragraph (a)(3) of this section.

**§ 27.203 What are the requirements for fire detection on towing vessels?**

You must have a fire-detection system installed on your vessel to detect engine-room fires. Any owner of a vessel whose construction was contracted for before January 18, 2000, may use an existing engine-room-monitoring system (with fire-detection capability) instead of a fire-detection system, if the monitoring system is operable and complies with this section. You must ensure that—

- (a) Each detector, each control panel, and each fire alarm are approved under 46 CFR subpart 161.002 or listed by an independent testing laboratory; except that, if you use an existing engine-room-monitoring system (with fire-detection capability), each detector must be listed by an independent testing laboratory;
- (b) The system is installed, tested, and maintained in line with the manufacturer's design manual;
- (c) The system is arranged and installed so a fire in the engine room automatically sets off alarms on a control panel at the operating station;
- (d) The control panel includes—
  - (1) A power-available light;
  - (2) Both an audible alarm to notify crew at the operating station of fire and visible alarms to identify the zone or zones of origin of the fire;
  - (3) A means to silence the audible alarm while maintaining indication by the visible alarms;
  - (4) A circuit-fault detector test-switch; and
  - (5) Labels for all switches and indicator lights, identifying their functions;
- (e) The system draws power from two sources, switchover from the primary source to the secondary source being either manual or automatic;
- (f) The system serves no other purpose, unless it is an engine-room-monitoring system (with fire-detection capability) installed on a vessel whose construction was contracted for before January 18, 2000; and
- (g) The system is certified by a Registered Professional Engineer, or by a recognized classification society (under 46 CFR part 8), to comply with paragraphs (a) through (f) of this section.