CMS Question and Answer

2012 NFPA 101

Delayed egress doors must swing in the direction of egress travel. Signage should not be changed to say, ‘Keep Pulling’. The signage is required, even if it is on a memory care unit. Signage must also be on a contrasting background.

7.2.1.6.1.1

The door leaves shall unlock in the direction of egress
A readily visible, durable sign in letters not less than 1 in. (25 mm) high and not less than 1/8 in. (3.2 mm) in stroke width on a contrasting background that reads as follows shall be located on the door leaf adjacent to the release device in the direction of egress:

PUSH UNTIL ALARM SOUNDS
DOOR CAN BE OPENED IN 15 SECONDS

2010 NFPA 72

Sensitivity testing is required within one year of install, two years after that and if there are no problems may be extended to every five years – but only if records of nuisance alarms are maintained.

14.4.5.3.1 Sensitivity shall be checked within 1 year after installation.

14.4.5.3.2 Sensitivity shall be checked every alternate year thereafter unless otherwise permitted by compliance with 14.4.5.3.3.

14.4.5.3.3 After the second required calibration test, if sensitivity tests indicate that the device has remained within its listed and marked sensitivity range (or 4 percent obscuration light gray smoke, if not marked), the length of time between calibration tests shall be permitted to be extended to a maximum of 5 years.
14.4.5.3.3.1 If the frequency is extended, records of nuisance alarms and subsequent trends of these alarms shall be maintained.

14.4.5.3.3.2 In zones or in areas where nuisance alarms show any increase over the previous year, calibration tests shall be performed.

2012 NFPA 101

Hazard room doors shall be self-closing. If held open with a magnet, the magnet must be tied to the fire alarm.

19.3.2.1.3 The doors shall be self-closing or automatic-closing.

2010 NFPA 110

Diesel generator fuel shall be tested annually.

8.3.8 A fuel quality test shall be performed at least annually using tests approved by ASTM standards.

7.9.1.2* Fuel system design shall provide for a supply of clean fuel to the prime mover.

A.7.9.1.2 Commercial distillate fuel oils used in modern diesel engines are subject to various detrimental effects. The origin of the crude oil, refinement processing techniques, time of year, and geographical consumption location all aid in the determination of fuel blend formulas. Sulfur, naturally occurring gums, waxes, soluble metallic soaps, water, dirt, and temperature all begin to degrade fuel as it is handled and stored. These effects begin at the time of fuel refinement and continue until consumption. Proper fuel storage is critical to engine start-up, efficiency, and longevity. Storage tanks should be kept water-free and have provisions for drainage on a scheduled basis. Water can contribute to steel tank corrosion and the potential development of microbiological growth where fuel and water interface. Copper and its alloys, along with zinc or zinc coatings, should be avoided in fuel-handling systems. These elements can react with fuel to form certain gels or organic acids, resulting in clogging of filters or further system corrosion. Stable storage temperatures are conducive to fuel health. Tanks that are aboveground and subject to extreme daily temperature variations cause fuel to degrade more rapidly. This is further exacerbated with large aboveground tanks that are less than full. Airspace allows for condensation that can further add to the contaminant levels. Reflective exterior tank coatings reduce but do not eliminate the solar heating effect. Scheduled fuel maintenance and testing help to reduce or nearly eliminate fuel contamination. Fuel maintenance filtration can remove contaminants and water and return fuel to conditions where it will provide reliability and efficiency for standby generators when called upon in emergency conditions. Fuel maintenance and testing should begin the day of installation and first fill to establish a benchmark guideline for further comparison. Fuel monitoring and testing services are available nationwide from many companies.