



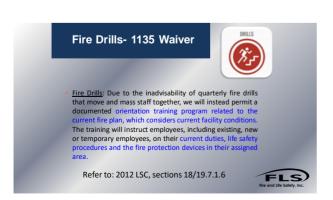






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Fire Safety Considerations Fire Safety Plan- K711 Fire Watch P&P- K346/K354 Fire Alarm OOS, 4 hours Fire Sprinkler OOS, 10 hours Names and phone numbers Fire Department, non-emergency State Department of Health Services, 24-hour number Smoking P&P- K741 NFPA 99 Risk Assessment P&P Remodeling, renovation, new construction or change-of-use

Risk Assessment Process- K901 Establish an Assessment Team within the facility to review all aspects of facility operations Comprehensive risk assessment process Multiple perspectives on physical plant infrastructure, patient care, and occupant safety Familiarize all team members with NFPA 99, Health Care Facilities Code Specifically sections 4.1 on Building Systems Categories and 4.2 on Risk Assessment Ensure team members understand the importance of system reliability and the consequences of system failure



Risk Asses	ssment Tool
Checkbox fields are provided risk assessment in accordance identified in the code.	to illustrate the findings of the e with Categories 1 through 4
The values associated with ea of these sections of the tool.	ch category are listed at the top
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No specific qualifications for Fire Door Assembly Inspection individual other than being "knowledgeable." Specifically, NFPA 80 states the following: "Functional testing of fire doors and window assemblies shall be performed by individuals with knowledge and understanding of the operating components of the type of door being subject to testing." CMS stated that SNF maintenance workers generally possess the skills and knowledge needed.

FDAI Checklist Clearly itemizes all of the different aspects of the inspection. A check mark indicates noncompliance. No check marks is considered a compliant Fire Door Assembly. The control of the



Inspection, Testing and Maintenance (ITM) Frequency

NFPA 72-2010, section 3.2.106 defines time for fire alarm system testing and inspection as follows:

Weekly: 52 times per year, once per calendar week

Monthly: 12 times per year, once per calendar month **Quarterly**: 4 times per year, with a minimum of 2 months and a maximum of 4 months

 $\begin{tabular}{ll} \textbf{Semi-annual:} Twice per year, with a minimum of 4 months, and a maximum of 8 months \end{tabular}$

Annual: Once per year, with a minimum of 9 months and a maximum of 15 months

Fire Extinguishers- K355 Monthly Visual Performed by facility staff Typically initial inspection tag Must use consistently if started Can use checklist or spreadsheet Annual Service Typically performed by vendor All FEs done at same time 5-year hydrostatic testing FLS

Kitchen Hood Fire Suppression Hood / Exhaust Cleaning- K324 Suppression System Semi-annual-every 6 months Performed by vendor Properly documented and tagged Hood / Exhaust Cleaning Weekly cleaning by staff Surfaces and filters - Documented Annual requirement-professional service Performed by vendor More frequently dependent upon use Properly documented / sticker on hood FLS

Fire / Smoke Dampers- K521 Tested one year after installation Tested every 4 years in SNFs Qualified person-typically vendor Comprehensive testing process Full unobstructed access verified Fusible link tested to ensure full closure Fusible line replaced if damaged or painted Damper exercised and inspected for obstructions

Elevators- K531 Elevators with Firefighter Emergency Ops • Emergency Recall (Phase 1), monthly test • Firefighter Controls (Phase 2), monthly test Exit Signs- K293 • All exit signs, monthly visual inspection • Battery powered exit signs 30-second monthly battery test 90-minute annual battery test Emergency Lights- K281 • Battery-powered emergency lighting units 30-second monthly battery test 90-minute annual battery test



Electrical Receptacle Test- K914	
Annual Requirement: Tension & Polarity Pass/Fail Documented The physical integrity of each receptacle shall be confirmed by visual inspection. The continuity of each ground circuit in each electrical receptacle shall be confirmed. Correct polarity of the hot and neutral connections in each electrical receptacle shall be confirmed. The retention force of the grounding blade of each receptacle (except locking-type receptacles) shall be not less than 4-oz (115 g). All "Failed" devices must be repaired and re-tested. Hospital-grade receptacles must be tested after initial installation, replacement, or servicing of the device.	
	Fire and Life Safety, Inc. 25



Patient Care-Related Electrical Equipment (PCREE)	
Testing Intervals established by facility's P&P (in accordance with manufacturer's guidelines) Before equipment put into service After repair and/or modification Properly documented Instructions and maintenance manuals available	
Several electrical appliances working together = complete system	
 Personnel responsible for the testing, maintenance and use of electrical appliances receive continuous training 	
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Fire Alarm Systems (FAS)- K345 Semi-Annual FAS Inspections FACP Trouble Signal Remote Annunciators Duct, Heat and Smoke Detectors

- Manual Pull Stations
 Audible / Visual Notification Devices
- Supervising Station Alarm System Transmitters



Fire Alarm Systems (FAS) Annual FASTests / Inspections Control Equipment Test / Visual Inspection FACP Trouble Signal Test Remote Annunciator Test Initiating Devices Tests Duct Detectors Heat Detectors Manual Pull Stations Functional Test of Smoke Detectors and Smoke Alarms Audible / Visual Alarm Notification Devices Test Supervising Station Alarm System Transmitters Test

Fire Alarm Systems (FA	AS)
Smoke Detector Sensitivity Test	
 Smoke detector sensitivity must be checked within one year afte then checked every alternate year thereafter. After the second to results indicate that the device remains within its listed and mar range, the length of time between tests is permitted to be exten maximum of 5 years. 	est, if test ked sensitivity
 Addressable FAS: Documentation required confirming that the sits own sensitivity testing per NFPA 72 requirements. 	ystem performs
 FACP Batteries - Specific Testing Requirements Pe 	r Type
Annual Charger & Annual 30 min. Discharge Test	
Lead Acid (replace as needed)	
Nickel Cadmium (replace as needed)	TO DO S. C.
Primary (dry cell)	PARTICULAR DESIGNATION OF THE PARTIC
Cooled Load Asid (replace within Funger)	30

Automatic Sprinkler Systems- K353 Monthly Visual Inspections Gauges Control Valves/Tamper Switches OS&YValwes-Open Exterior Alarm Valves Quarterly Tests/Inspections Water Flow Alarm & Valve Supervisory Devices Hydraulic Nameplate (NFPA 25) Fire Department Connection Main Drain Test Mechanical Alarm Device





Fire Pumps

Monthly Churn Test (No Flow)

- Run pump for a minimum of 10 minutes.

 Record the system suction and discharge pressure gauge reading.

 Check the pump packing glands for slight discharge
- Adjust glands nuts if necessary.
- Check for unusual noise or vibration.
- Check packing boxes, bearings or pump casing for overheating.
- Record the pump starting pressure.

3-Year 4-Hour Load Bank Test for Level I EPSS

Annual Flow Tests

- NFPA 25-Typically conducted by vendor.
- The fire pump flow test is required by NFPA 25 to be conducted once a year in order to measure the pump's flow and pressure.



Emergency Power Supply System-K918 Generator Nameplate Rating 00] Primary Fuel Source Alternate Fuel Source Weekly Visual Inspection Monthly 30 Minute Load Test Record Transfer time-< 10 seconds Monthly Battery Test Electrolyte Specific Gravity Testing (Hydrometer) Conductance Test (Special Meter) Annual Fuel Quality Test Annual 90 Minute Load Bank Test

1135 Waiver for ITM CMS is temporarily modifying these requirements to the extent necessary to permit these facilities to adjust scheduled inspection, testing and maintenance (ITM) frequencies and activities for facility and medical equipment. CMS is temporarily modifying these provisions to the extent necessary to permit these facilities to adjust scheduled ITM frequencies and activities required by the LSC and HCFC. The following LSC and HCFC ITM are considered critical are not included in this waiver: Mare considered critical <u>are not</u> included in this waiver: Sprinkler system monthly electric motor-driven and weekly diesel engine-driven fire pump testing. Portable fire extinguisher monthly inspection. Elevators with firefighters' emergency operations monthly testing, Elevators with firefighters' emergency operations monthly testing and associated transfer switch monthly testing. Means of egress daily inspection in a rease that have undergone construction, repair, <u>alterations</u> or additions to ensure its ability to be used Fire and tile solely, bz.

Alcohol Based Hand Rub (ABHR)- K325

- Corridor is at least 6 ft. wide (8 ft. in health care)
 Maximum individual dispenser capacity-0.32 gal. of fluid
- Maximum Level 1 aerosol dispensers-18 oz
- Minimum of 4 ft. horizontal spacing.
- Maximum of 10 gal. aggregate limit in smoke compartment. Excluding one (1) dispenser per ro
- Storage of more than 5 gallons of ABHR solution in a smo compartment requires flammable liquids locker (NFPA 30).
- Dispensers cannot be within 1 inch of an ignition source.
- Fire sprinklers required if dispenser installed over carpeting.
- ABHR solution does not exceed 95% concentration. Dispenser protected against inappropriate access.



ABHR- 1135 Waiver

Micro-Fiber Material



<u>Alcohol-based Hand-Rub (ABHR) Dispensers</u>: We are waiving the prescriptive requirements for the placement of alcohol based hand rub (ABHR) dispensers for use by staff and others due to the need for the increased use of ABHR in infection control. However, ABHRS contain ethyl alcohol, which is considered a flammable liquid, and there are restrictions on the storage and location of the containers. This includes restricting access by certain patient/resident population to prevent accidental ingestion. Due to the increased fire risk for bulk containers (over five gallons) those will still need to be stored in a protected hazardous materials area.

Refer to: 2012 LSC, sections 18/19.3.2.6. In addition, facilities should continue to protect ABHR dispensers agains inappropriate use as required by 42 CFR \$482.41b.(f/) for hospitals: \$486.623(c)(5) for CAHs; \$418.11b(d)(4) for inspirent hosping: \$483.47b(f)(5)(6) for ICFIIDs and \$483.90(a)(4) for SNFNFWE.



















