

Health Care Facilities
Documentation/Preventive Maintenance Requirements for
Federal Fire Safety Survey (NFPA 101, 2000 edition)

System	Standard	Section	Summary Description
Fire Extinguishers	NFPA 10 – 1998 edition	Chap. 4	
		4.3.1	Inspect - visual 30 day intervals / as needed
		4.4.1 & 4.4.3	Maintenance - Annual / as needed; 6 year maintenance; 12 year hydrostatic
Sprinklers	NFPA 25 – 1998 edition Wet / Dry Systems	Chap. 2	Table 2.1
		2.2	Inspection - weekly / monthly / quarterly / annual
		2.3	Testing - monthly / quarterly / annual
		2.4	Maintenance - as needed / annual / 5 years
	Dry Systems	9.4.4.1	Inspection - weekly gauges; monthly valve external visual; annual valve internal visual; internal visual of strainers, filters, orifices every 5 years
		9.4.4.2	Testing - priming water quarterly: partial trip test valve annually; full trip test 3 years; Quick opening device / low air pressure alarm – quarterly; low temperature alarm / automatic air pressure maintainer – annually; as needed
		9.4.4.3	Maintenance - internal valve cleaning with annual trip test; Low point draining after each operation of system and before onset of cold weather
Standpipes	NFPA 25 – 1998 edition	Chap. 3	Table 3.1 & 3.2.3
		3.2	Inspection - quarterly visual of all components; Weekly/monthly visual of control valves in accordance w/ Table 9.1; cabinet & hoses per NFPA 1962
		3.3	Testing - 5 year flow test & hydrostatic test; valves tested in accordance w/ Table 9.1; Alarm devices-quarterly; Hose & nozzles – annually; Main drain - annually
		3.4	Maintenance - Table 3.2.3
Hose Testing (standpipes)	NFPA 25 – 1998 edition	Chap. 3	Table 3.1 & 3.2.3 – annual / 3 years / 5 years
(Occupant Use Hose)	NFPA 1962 – 1998 edition	Chap. 4	4.3
		4.3.1 & 4.3.4 & 4.6	Inspection – hose / gaskets removed inspected re-racked/re-reeled - annually
		4.3.2 & 4.3.3	Testing - service test initially after 5 years & every 3 years thereafter in accordance w/ Chap. 7
		4.3.5	Maintenance - hose protected from weather / environmental conditions, heat, mechanical damage, & rodents

Fire Pumps	NFPA 25 – 1998 edition	Chap. 5	Table 5.1.1 & 5.5.1
		5.2	Inspection – weekly visual
		5.3	Testing – weekly run of electric motor for 10 minutes (no water flow); annual flow test
		5.5	Maintenance – preventive maintenance program established and initiated
Water Storage Tanks	NFPA 25 – 1998 edition	Chap. 6	Table 6.1.1
		6.2	Inspection - water level monthly; exterior tank and components quarterly; interior of tank every 5 years (3 years if no corrosion prevention or if a pressure tank); air pressure monthly; heating system daily (during cold season); Expansion joints annually
		6.3	Testing – Water level indicators & pressure gauges calibrated- 5 years; High/low level alarms- 6 months; Interior testing every 5 years
		6.4	Maintenance – exterior/interior free of foreign materials: Sediment drained – 6 months; Tank drains opened/closed & tanks vents cleaned annually
Control Valves	NFPA 25 – 1998 edition	Chap. 9	Table 9.1
		9.3.3	Inspection – weekly / monthly / quarterly / annual / 5 years
		9.3.4	Testing – quarterly / 6 month / annually/ 3 years / 5 years
		9.3.5	Maintenance - annual
Fire Alarm System	NFPA 72 – 1999 edition	Chap. 7	Table 7.2.2 & 7.3.1 & 7.3.2 - test frequencies based on requirements for each individual device
Smoke Detectors	NFPA 72 – 1999 edition	Chap. 7 7.3.2 & 7.3.2.1	Table 7.2.2 & 7.3.1 & 7.3.2 - Semi-annual visual inspection; Annual functional test; 2 year sensitivity test after 1 year initial install;
Heat Detectors	NFPA 72 – 1999 edition	Chap. 7 7.3.2.3	Table 7.2.2 & 7.3.1 & 7.3.2 – two or more on each initiating circuit annually; All heat detectors tested by 5 years
Fire Doors & Windows	NFPA 80 – 1999 edition	Chap. 15	Frequent inspection of doors and hardware; closing mechanisms and hardware in proper working condition at all times;
Kitchen Exhaust Hood Extinguishment System	NFPA 96 – 1998 edition	Chap. 8 8.2	Inspection & Servicing - 6 months; Fusible link & sprinkler heads replaced – annually; tanks follow NFPA 10 requirements
Kitchen Exhaust Hood	NFPA 96 – 1998 edition	8.3	Cleaning frequency based on use; High volume cooking – quarterly; Moderate volume cooking – 6 month; Low- volume cooking -annually

Smoke / Fire Dampers	NFPA 90A – 1999 edition	B.2	Inspection - 2 year <i>recommended</i> visual inspection
		3.4.7	Maintenance - 4 year link removal and damper maintenance
Fire Drills	NFPA 101 – 2000 edition	19.7.1.2	<i>Quarterly on each shift</i>
		19.7.1.3	<i>Employees instructed in life safety procedures & equipment</i>
Evacuation & Relocation Plan	NFPA 101 – 2000 edition	19.7.1.1	<i>Plan in place and written copies available to all staff at all times; Staff periodically instructed as to their duties under the plan;</i>
		Standard of Practice	<i>Review by local Fire Marshal and administrative staff at least annually and as needed to keep plan current & up to date</i>
Medical Gases (oxygen)	NFPA 99 – 1999 edition	Chap. 8	
		8.3.1.11	Storage – Compressed gases
		8.6.2.5.2	Storage & use – Liquefied gases
Piped Medical Gas Systems	Standards of Practice		<i>Annual inspection of alarms, outlets, & equipment</i>
		CGA E-10	<i>Recommended Minimum Maintenance Schedule</i>
Emergency Generators	NFPA 99 – 1999 edition	Chap. 3	
		3.4.4.1.1	<i>12 times/year: >20 days & <40 days</i>
		Standard of Practice	<i>Exercise (typ. weekly) per manufacturers recommendations & before impending storm</i>
		3.4.4.1.2(a)	<i>Circuit Breakers- tested annually & program for periodic exercising of components established</i>
	NFPA 110 – 1999 edition	3.4.4.1.3	<i>Batteries inspected weekly</i>
		Chap. 6	<i>Maintenance & Testing</i>
		6.4.1 & 6.4.2	<i>Inspect weekly; “Load” test at least monthly for a minimum of 30 minutes</i>
		6.3.5 & 6.4.5	<i>Transfer switch operated monthly and maintenance program established & initiated;</i>
		6.3.6	<i>Batteries inspected weekly</i>
Electrical Receptacles (including GFCIs)	NFPA 99 – 1999 edition	Chap. 3	Receptacle Testing in Patient Care Areas
		3.3.3.3	<i>Physical integrity, continuity, polarity, & retention force (115g or 4 oz) shall be tested; GFCIs shall trip at >6 mA</i>
	3.3.4.2.3	Maintenance & Testing Frequency: <i>Upon initial installation, replacement, or servicing; Additional testing performed at frequencies defined by “documented performance data”; Non-hospital grade receptacles shall be tested at 12 month intervals</i>	
	NFPA 70	Article 517	Health Care Facilities – installation & replacement requirements

Patient Care Related Electrical Appliances & Equipment	NFPA 99 – 1999 edition	Chap. 7 7.5.1.3 & 7.6.2.1.2	Testing Requirements: <i>testing for physical integrity, resistance, & leakage current;</i> Frequency: <i>before initial use and repair or modification & retested at intervals based on location:</i> <i>General Care Areas = 12 months</i> <i>Critical Care & Wet Areas = 6 months</i>
Appliances Used in Patient Areas	NFPA 99 – 1999 edition	Chap. 7 7.6.2.1.2(b)	<i>Before initial use and after repair or modification</i>
Emergency Lighting	NFPA 101 – 2000 edition	19.2.9.1	Refers to Chap. 7
		7.9.3	Testing: <i>functional test for 30 seconds every 30 days; 1 ½ hour test- annually</i>
Exit Signs (battery back-up)	NFPA 101 – 2000 edition	19.2.10.1	Refers to Chap. 7
		7.10.9.1 & 7.10.9.2 & 7.9.3	Inspection: <i>visual every 30 days</i> Testing: <i>functional test for 30 seconds every 30 days; 1 ½ hour test- annually</i>
Smoke Barriers	NFPA 101 – 2000 edition	19.3.7.5	<i>Fire resistance rating of not less than ½ hour maintained</i>
		8.3.6.1	<i>Penetrations sealed with material that maintain smoke resistance of barrier</i>
		19.3.7.6	<i>Doors are maintained as self closing and/or automatic closing</i>
Fire Barriers	NFPA 101 – 2000 edition		<i>Fire resistance rating of fire barrier maintained at all times</i>
		8.2.3.2.4.2	<i>Penetrations sealed with materials having the same fire rating as the barrier</i>
			<i>Doors are self closing and positively latch</i>
Finishes / Furnishings	NFPA 101 – 2000 edition	19.3.3.1 & 10.2.3	<i>Finishes: Class A, B, (or C if sprinklered); Newly installed materials - Class A</i>
		19.7.5.1 & 10.3.1	<i>Draperies/Curtains: Flame resistant – in accordance with NFPA 701</i>
		19.7.5.2 & 10.3.2(2) & 10.3.3	<i>Upholstered Furniture: in accordance with NFPA 260, 261, 266; <u>Except</u> patient owned furniture in rooms with smoke detector</i>
		19.7.5.3 &10.3.2(2) & 10.3.3	<i>Mattresses: in accordance with NFPA 267; <u>Except</u> patient owned mattress in room with smoke detector</i>
		19.7.5.4	<i>Combustible decorations: PROHIBITED</i>
		19.7.5.5	<i>Soiled Linen/Trash collection receptacles: cannot exceed 32 gallon capacity; >32 gallons located in “hazardous area” protected room</i>