LIFE SAFETY CODES FOR MAINTENANCE DEPARTMENT

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CEU's TODAY

This Webinar is worth 1 CEU hour for Administrators today.

In order to get the credit you do have to stay on the webinar and take a brief survey that will pop up at the end of the webinar.

FREE



How Can A Coach Help You?

Operational Improvements – Policies & Procedures

Plan of Corrections

Leadership Skills

Budget Analysis

Contract Reviews

Regulations

Survey Readiness

Communications

Mock Surveys





K-TAGS

K100 General Requirements - Other

KIII	Building	Reha	bilita	tior
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- K112 Sprinkler Requirements for Major Rehabilitation
- K131 Multiple Occupancies Sections of Health Care Facilities
- K132 Multiple Occupancies Contiguous Non-Health Care Occupancies
- K133 Multiple Occupancies Construction Type
- K161 Building Construction Type and Height
- K162 Roofing Systems Involving Combustibles
- K163 Interior Nonbearing Wall Construction

K200 Means of Egress Requirements - Other

- K211 Means of Egress General
- **K221 Patient Sleeping Room Doors**
- **K222 Egress Doors**
- K223 Doors with Self-Closing Devices
- K224 Horizontal-Sliding Doors
- K225 Stairways and Smoke proof Enclosures
- K226 Horizontal Exits

- K227 Ramps and Other Exits
- K231 Means of Egress Capacity
- K232 Aisle, Corridor or Ramp Width
- K233 Clear Width of Exit and Exit Access Doors
- K241 Number of Exits Story and Compartment
- K251 Dead-End Corridors and Common Path of Travel
- K252 Number of Exits Corridors
- K253 Number of Exits Patient Sleeping and Non-Sleeping Rooms
- **K254 Corridor Access**
- K255 Suite Separation, Hazardous Content, and Subdivision
- **K256 Sleeping Suites**
- K257 Non-Sleeping Suites
- **K261** Travel Distance to Exits
- K271 Discharge from Exits
- K281 Illumination of Means of Egress
- **K291** Emergency Lighting
- K292 Life Support Means of Egress
- K293 Exit Signage

K300 Protection – Other

- K311 Vertical Openings Enclosure
- K321 Hazardous Areas Enclosure
- K322 Laboratories
- K323 Anesthetizing Locations
- K324 Cooking Facilities
- K325 Alcohol Based Hand Rub Dispenser (ABHR)



K-TAGS

- K331 Interior Wall and Ceiling Finish
- K332 Interior Floor Finish
- K341 Fire Alarm System Installation
- K342 Fire Alarm System Initiation
- K343 Fire Alarm Notification
- K344 Fire Alarm Control Functions
- K345 Fire Alarm System Testing and Maintenance
- K346 Fire Alarm Out of Service
- K347 Smoke Detection
- K351 Sprinkler System Installation
- K352 Sprinkler System Supervisory Signals
- K353 Sprinkler System Maintenance and Testing
- K354 Sprinkler System Out of Service
- K355 Portable Fire Extinguishers
- K361 Corridors Areas Open to Corridor
- K362 Corridors Construction of Walls
- K363 Corridor Doors
- K364 Corridor Openings
- K371 Subdivision of Building Spaces Smoke Compartments
- K372 Subdivision of Building Spaces Smoke Barrier Construction
- K374 Subdivision of Building Spaces Smoke Barrier Doors373 Subdivision of Building Spaces –



- Accumulation Space
- K379 Smoke Barrier Door Glazing
- K381 Sleeping Room Outside Windows and Doors
- K400 Special Provisions Other
- K421 High-Rise Buildings
- K500 Building Services Other
- K511 Utilities Gas and Electric
- K521 HVAC
- K522 HVAC Any Heating Device
- K523 HVAC Suspended Unit Heaters
- K524 HVAC Direct-Vent Gas Fireplaces
- K525 HVAC Solid Fuel-Burning Fireplaces
- K531 Elevators
- K532 Escalators, Dumbwaiters, and Moving Walks
- K541 Rubbish Chutes, Incinerators, and Laundry Chutes
- K700 Operating Features Other
- K711 Evacuation and Relocation Plan
- K712 Fire Drills
- K741 Smoking Regulations
- K751 Draperies, Curtains, and Loosely Hanging Fabrics
- K752 Upholstered Furniture and Mattresses
- K753 Combustible Decorations



K754 Soiled Linen and Trash Containers

K771 Engineer Smoke Control Systems

K781 Portable Space Heaters

K791 Construction, Repair, and Improvement Operations

K900 Health Care Facilities Code – Other

K901 Fundamentals – Building System Categories

K902 Gas and Vacuum Piped Systems - Other

K903 Gas and Vacuum Piped Systems – Categories

K904 Gas and Vacuum Piped Systems – Warning Systems

K905 Gas and Vacuum Piped Systems – Central Supply System Identification and Labeling

K906 Gas and Vacuum Piped Systems – Central Supply System Operation

K907 Gas and Vacuum Piped Systems – Maintenance Program

K908 Gas and Vacuum Piped Systems – Inspection and Testing Operations

K909 Gas and Vacuum Piped Systems – Information and Warning Signs

K910 Gas and Vacuum Piped Systems – Modifications

K911 Electrical Systems – Other

K912 Electrical Systems - Receptacles

K913 Electrical Systems – Wet Procedure Locations

K914 Electrical Systems – Maintenance and Testing

K915 Electrical Systems – Essential Electric System Categories

K916 Electrical Systems – Essential Electric System Alarm Annunciator

K917 Electrical Systems – Essential Electric System Receptacles

K918 Electrical Systems – Essential Electric System Maintenance and Testing

K-TAGS

- K919 Electrical Equipment Other
- K920 Electrical Equipment Power Cords and Extension Cords
- K921 Electrical Equipment Testing and Maintenance Requirements
- K922 Gas Equipment Other
- K923 Gas Equipment Cylinder and Container Storage
- K924 Gas Equipment Testing and Maintenance Requirements
- K925 Gas Equipment Respiratory Therapy Sources of Ignition
- K926 Gas Equipment Qualifications and Training of Personnel
- K927 Gas Equipment Transfilling Cylinders
- K928 Gas Equipment Labeling Equipment and Cylinders
- K929 Gas Equipment Precautions for Handling Oxygen Cylinders and Manifolds
- K930 Gas Equipment Liquid Oxygen Equipment
- K932 Features of Fire Protection Other





You are a very important person









MAINTENANCE

- You are the eyes and ears of the home running in good working order
- You endure the main responsibility for monitoring all aspects of the home
 - Regular assessments
 - Informal simply by making rounds looking for problems or possible issues.
 - Formal Preventive maintenance program.
 - Regular processes







YOUR RESOURCES

- State Regulations Manual
 - https://health.mo.gov/seniors/nursinghomes/lawsregs.php
- Federal Regulations Manual State Operations Manual or SOM Appendix PP
 - https://www.cms.gov/Regulations-and Guidance/Guidance/Manuals/downloads/som107ap_pp_guidelines_ltcf.pdf
 - https://www.cms.gov/Medicare/CMS-Forms/CMS-Forms/Downloads/CMS2786R.pdf
 - State Operations Manual Appendix Z
 - https://www.cms.gov/Medicare/Provider-Enrollment-and-Certification/SurveyCertEmergPrep/Downloads/Advanced-Copy-SOM-Appendix-Z-EP-IGs.pdf





LIFE SAFETY CODES

In 2014 CMS mandated the use of 2012 Edition of Life Safety Code

Focus – is to minimize fire hazards.

- Nonflammable materials
 - Curtains
 - Wall coverings
- Notification Systems
 - Fire Alarms
 - Smoke detectors
 - Sprinkler Systems
- Egress
 - How are we going to get everyone out safely





SIMPLE ROUNDS

- Note any odors organic or inorganic
- Floor Care
- Potential safety hazards





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PREVENTIVE MAINTENANCE

- Changing Oil
- Changing Filters
- Lubricating
- Cleaning Coils
- Cleaning Grease Traps
- Maintaining building temperatures
- Maintaining water temperatures
- Maintaining Sprinkler pressure
- No Way All Inclusive





LIFE SAFETY AND EMERGENCY PREPAREDNESS INFORMATION:

- I. Documentation that the automatic fire alarm system has been inspected, tested, and maintained in accordance with the NFPA 101, 2012 edition. Include smoke alarm sensitivity testing records. Annual and semi-annual testing required.
- 2. Annual fire door inspections
- 3. Automatic sprinkler system inspection documentation include facility check logs
- 4. Fire extinguisher testing and maintenance records
- 5. Maintenance/Certification of the Range Hood Suppression System
- 6. Electrical Wiring Certification
- 7. Logs of the checks on all battery powered smoke detectors.
- 8. Fire drill records for the past 12 months
- 9. Documentation that newly installed curtains, drapes, and blinds used in the facility are flame resistant and meet required specifications, including cubicle/privacy curtains.
- 10. Fire safety and emergency preparedness in-service records.
- 11. Documentation and logs that the emergency power is inspected and tested in accordance with NFPA 101, 2012 edition.





LIFE SAFETY AND EMERGENCY PREPAREDNESS INFORMATION:

- 12. For Battery Backup Emergency Lights
 - Monthly 30-second check logs
 - Annual 90-minute check logs
- 13. For Generator
 - Weekly logs for automatic rollover
 - All inspection and testing records, including fuel testing if required
- 14. Documentation of the inspection of elevators (if applicable).
- 15. Facility Layout
- 16. Fire watch policy (used when fire alarm or sprinkler system is out of service)
- 17. Policies and procedures related to the facility's "Building Maintenance Program" and "Building Inspection Programs"
- 18. Policies and Procedures related to the facility's smoking prohibitions and use areas.
- 19. Policies and Procedures related to water outages affecting the sprinkler system. Reference the 2012 edition of NFPA 101.
- 20. Maintenance records of any fusible link dampers (if any).
- 21. Disaster/Emergency Preparedness Plan/Program (All Hazards Approach-As required by Appendix Z)





MY CHEAT SHEET

	<u> </u>
	MAINTENANCE DEPARTMENT
	Weekly Checks by Maintenance
	Water Temperature Log (105°-120°)
	Fire Doors
	Door Alarms
	Sprinkler Water and Air PSI
	Sprinkler Valves (Must have 6 extra)
	Eye Wash Stations
	Emergency Generator
	MONTHLY by Maintenance
	Fire Drill (Each Shift Quarterly)
F-921	Exit Signs
F-921	Fire Extinguishers
	Emergency Lights 30 Sec
	QUARTERLY by Maintencance (every 3 months)
	Quarterly Flow Test
	Semi Annual (6 Months)
F-921	Range Hood Suppression System (Unit needs to be Recharged Annually)
	Fire Alarm System (Fire Panel must have new tag on it Annually)
	Generator Prevention Maintenance

21	<u>Yearly</u>
22	Sprinkler System & Backflow Prevention (Fire Line)
23	LP Gas Pressure Test and Tank Inspection
24	Fire Extinguisher
25	Fire Door Inspection
26	Emergency Lights 1-1/2 hour
27	Emergency Preparedness
28	Fire Safety Consultaion with Fireman
29	Backflow Prevention (Boiler)
30	Fuel test on Diesel for the Generator
31	Outlet Testing for AMPS and Tension
32	Bi Annual (2 years)
33	Electric Wiring
34	Boiler and Pressure Vessel (Divison of Fire Safety)
35	Generator Load Test
36	5 Years
37	Internal Pipe Inspection
38	Other
39	Legionella
10	





Weekly Water Temperatures 105°-120°

WEEKLY WATER TEMPERATURES

	BEAUTY SHOP	TUB ROOM	RESIDENTS ROOM	COMM.ROOM	HYDROCULATOR
		Mr.			
	_				
	_				
				7 - 1 - 1 - 1 - 1	
		-			
	25				
_					
					351
	1				
_					
	1				
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-					
-					
+					
1 1					

Weekly Water Temperatures

3 Rooms Each Wing

Date	Temp
Room #	
Laundry	
Kitchen	

Date	Temp
Room #	
Laundry	
Kitchen	

Date	Temp
Room #	
Laundry	
Kitchen	

Date	Temp
Room #	
Laundry	
Kitchen	

Date	Temp
Room #	
Laundry	
Kitchen	

Date	Temp
Room #	
Laundry	
Kitchen	





WEEKLY FIRE DOORS

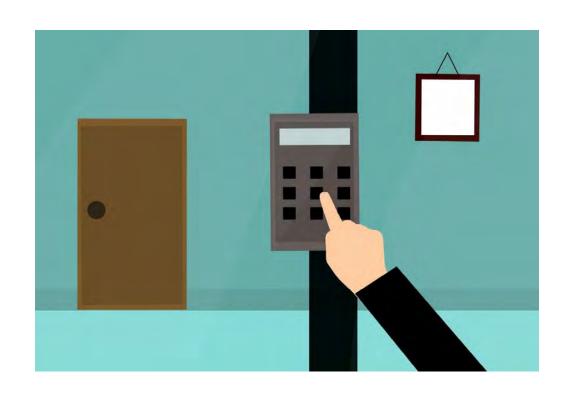
- Walk through every Monday and make sure they:
 - Release
 - Close
 - Latch
 - Space

WEEKLY FIRE DOOR INSPECTION LOG

DATE	DOOR #	CONDITION	REPAIRS	DONE BY:
	100 E			
	100 W			
	200 E	4		
	200 W			
	ASST. N			
	ASST. S			
	300 W-N			
	300 W-S			
	300 E-N			
	300 E-S			
	400 E			
	400 W			
	SR N 1			
	SR N 2			
	SR S 1			
	SR S 2			
	500 S 1	7		
	500 S 2			
	500 N 1			
	500 N 2			
	KITCHEN			
	LOBBY 1	100	3	
	LOBBY 2			



WEEKLY DOOR ALARMS



 Take an actual wonder guard bracelet and ensure the doors lock down or however your system works.







WEEKLY SPRINKLER WATER & AIR PSI



- PSI is Water Pressure
- Measurable, pounds per square inch pressure ... water pressure. Sprinkler systems rely on sufficient water pressure for the heads to pop up and water properly. But what if there's too much of a good thing?
- Sprinkler Valves on hand 6 extra





WEEKLY EYE WASH STATIONS









Weekly Generator Test

pection, document remote annunciation panel readings: eady Utility Power			w	eckly Gene	erator Tes	st Report	
onducted By In Coolant Pressure Temp Oil Coolant Pressure Temp Last reading during cool down, amy Oil Coolant Pressure Temp List any problems encountered during Correct. Document all parts and outsid spection, document remote annunciation panel readings: eachy Couling Flower On Offer ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF	ate			F	acility: .		
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2	e 1	of 2	ar care mine famile	A-1000 1 - 100	- 0		





MONTHLY FIRE DRILL

Each Shift Quarterly



Fire Drills: Fire drills include the transmission of a fire alarm signal and simulation of emergency fire conditions. Fire drills are held at unexpected times under varying conditions, at least quarterly on each shift. The staff is familiar with procedures and is aware that drills are part of established routine. Responsibility for planning and conducting drills is assigned only to competent persons who are qualified to exercise leadership. Where drills are conducted between (9:00 PM and 6:00 AM, a coded announcement may be used instead of audible alarms (18/19.7.1.4 through 18/19.7.1.7)



When Drill is run through sleeping hours do not sound the alarm, but you must sound it on the next day shift. Document that you did.





FIRE SIMULATION DRILL GRID

Date	Time	Area	Reported by	NAMES OF PEOPLE WHO PARTICIPATED
Response of Pe	rsonnel:		Title	
Efficiency of Per	sonnel:			
Personnel Instru	cted as follows	Yes	No	
A. Use of ala	rms		_	
B. Transmiss	ion of alarm to fire d	epartment	_	<u></u>
C. Emergeno	y phone call to 911	0		
D. Response	to alarms		year to a second and a second a	
E. Isolation of	f fire		_	
F. Evacuation	of immediate area			
G. Evacuation	of smoke compartn	ment		
H. Preparation evacuation	n of floors and buildi	ng for		
I. Extinguishr	ment of fire	-		
iscussion period	a~er drill {List the q	uestions asked by pers	sonnel}	
	•			





Fire Drill Schedule

Shift			11/1									
	January	<u>February</u>	March	<u>April</u>	May	June	July	August	September	October	November	December
Day												
vening												
Night												

MONTHLY EXIT SIGNS

- Marking of Means of Egress
- 6 Inch Letters
- Directional
- Illuminated Check the Bulbs
- Two ways out wherever you are standing

CHECK THE BULBS







Monthly fire Extinguishers



- Make sure it is in the green.
- Create a diagram of the building so none get skipped.
- When you are making that monthly round go in and physically look at the rangehood.
 - Grease build up
 - Sprinkler nozzles grease free and capped.





Monthly Emergency Lights

• 30 Seconds per month hold button

Also an Annual Check of I-I/2 hours unplugged





AT LEAST QUARTERLY BED SAFETY

Editor's Note: Pages D-1 through D-10 contain excerpts from the Food and Drug Administration's Hospital Bed System Dimensional and Assessment Guidance to Reduce Entrapment. To view the complete document see http://www.fda.gov/cdrh/beds/guidance/1537.pdf.

Potential Zones of Entrapment

This guidance describes seven zones in the hospital bed system where there is a potential for patient entrapment. Entrapment may occur in flat or articulated bed positions, with the rails fully raised or in intermediate positions. Descriptions of the seven entrapment zones appear on pages 15-21 in this guidance. Summary drawings of entrapment for all of the zones appear in Appendix E.

The seven areas in the bed system where there is a potential for entrapment are identified in the drawing below.

Zone 1: Within the Rail

Zone 2: Under the Rail, Between the Rail Supports or Next to a Single Rail Support

Zone 3: Between the Rail and the Mattress

Zone 4: Under the Rail, at the Ends of the Rail

Zone 5: Between Split Bed Rails

Zone 6: Between the End of the Rail and the Side Edge of the Head or Foot Board

Zone 7: Between the Head or Foot Board and the Mattress End



Entrapment at the Bed Deck or Frame

Many of the entrapment event reports FDA received involved entrapment between the rail and the bed's "frame." It is unclear from the event descriptions whether this refers to the mattress deck, the bed frame, or even the hardware attaching the bedrail to the bed system. While this guidance does not recommend dimensional limits on the space at the deck or frame locations, FDA believes that meeting the other recommended dimensional limits would reduce the possibility of entrapment at the deck or frame locations.

Nursing Services Policy and Procedure Manual © 2001 MED-PASS, Inc. (Revised April 2007)

Drawings of Potential Entrapment in Hospital Beds

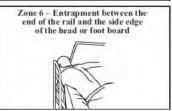


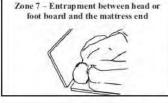
Zone 2 – Entrapment under the rail, between the rail supports or next to a single rail support

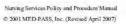
Zone 3 – Entrapment between the rail and the mattress













QUARTERLY BED CANE CHECKS

bservation esident Name:		40.4	U/R/B;
lesident	: Name:	MR#:	U/K/B;
BSERV	ATION INFORMATION		
reator:			
bserva	tion Date:	Date Reco	rded:
omplet	ed Date:	Completed	Ву:
DESCRI	PTION		
Locidi	1150		
_			
	ATION DETAIL		
SIDE R	AILS ASSESSMENT AND CONSENT		
PHYSIC	CIAN ORDERS		
Types of	f rails to be used		
Devic	e Decision tree does not need to completed if si		
	1/4 rail up X1	□ No side rails r	needed
Г	1/4 rail up X2		
Reason	for side rail usage,	100000	40.0
	Assist with Transfer	□ Boundary Lin	nitations
Г	Bed Mobility (assist with turning side-to-side)	F N/A	
Used as	an enabler		
Fill o	ut informed consent for restraint or enabler, as a	appropriate	
- 1	Yes	T N/A	
Г	No (used as a restraint)		
Is resid	ent alert and oriented and requests		
г	Yes	T N/A	
г	No		
Air Matt	ress		
г	Yes (Setting:)	□ No	
Reason	for use, if not an enabler (Diagnosis)		
Falls prior	is not an acceptable reason. If this device is a r to use and must include reason for use,	estraint, physician's o	rder must be received
RISKS	AND BENEFITS		
Device	Decision Guide Reviewed		
F	Yes	┌ No	
	nd benefits were explained to resident/family, is	ncluding the risk of sig	nificant injury if a fall
occurs.	No	c Yes	
C			
C Date th	e risks/benefits were explained. Date:	□ Does not App	1.0

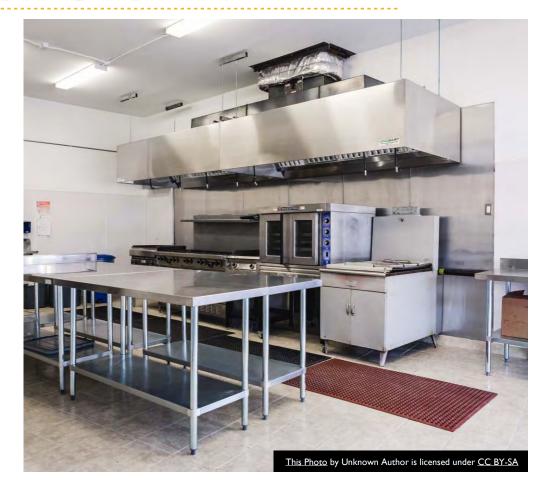
Side Pails Assessment & Consent





SEMI-ANNUAL 6 MONTH RANGE HOOD SUPPRESSION SYSTEM

- Performed by a professional company
- Needs cleaned regularly and as needed
- Put the sprinkler nozzles on sprinkler heads
- Annually Re-Charged

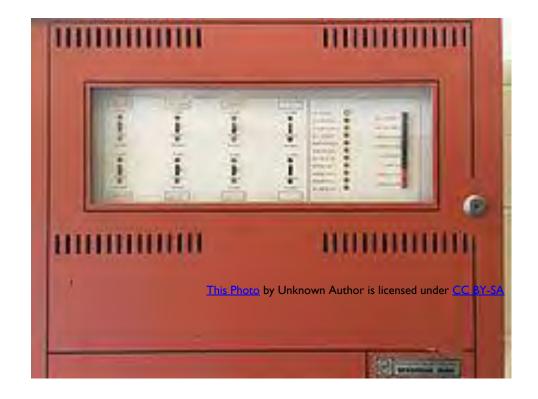






SEMI-ANNUAL 6-MONTH FIRE ALARM SYSTEM

Be sure there is a new tag on this box that says it has been inspected and marked functional.





<u>This Photo</u> by Unknown Author is licensed under <u>CC BY-SA-NC</u>





ANNUAL SPRINKLER SYSTEM & BACKFLOW

• Fire Line – have your water source come test it.







ANNUAL LP GAS PRESSURE TEST & TANK INSPECTION

- LP Company is going to come test for leaks and to ensure that you have an emergency phone number hanging on the fence.
- Missouri Propane out of Jefferson City should come annually also.



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ANNUAL FIRE EXTINGUISHER



- New tag annually!
- Are they in the green area, showing full?





FIRE DOOR INSPECTION

• Who can do?



Annual Inspection and Testing of Fire and Smoke Door Assemblies

	Tester Name							
te	Door Type:	o	Fire		5moke	Rating		
cation		6						
e Doors and Other Opening Po Opening Protectives (2010 edi fy issues or concerns. All issues to be inspected and tested ann	s compliance with a rotectives (2010 ed ition section 5.2), es should be corre- ually including door	ection, ition, inspe eted in s sur	Section Section oct and mmedia ch as:	test :	otion 7.2.1) and NFP all rated fir life Safety 0	nnual fire and smoke door inspection and test 15.2 requires compliance with NPPA 80 Stanc A 105 Standard for Smoke Door Assemblies to door assemblies for items listed below code section 7.2.1.15.2 requires all fire and sm		
	 Doors with fire p Door assemblies Door assemblies Hazardous room 	in e	dt enclo noke co	sures mpart	- typically :	stairwolls and exit passageways		
commended that a facility ident foor and keep documentation fo	ify oil doors to be in or at least three yea	spec irs.	ted on a	draw	ing/jayout c	of the facility to track inspections. Use one form		
Operation Swings freely Closes properly Closes properly Other In treath care opcupancies SNE/NE resistent re Smoke barrier door Frame Label present and leg Is secure No open holes/breaks Frame not rusted thro Gaskets intact Other Door Label present and leg Correct Cloarance (<) No open holes/ break No open holes/ break Glazing/Nision light fre Not Damaged / delam Door not rusted-throu No non-compliant fiel No visible signs of da	ioms do not requires side not requires interpolate int	ches		dan Koon Zoonen Koon	Strike in a Securely Coordina Other Exit Ham All hardw	installed rdware are installed good shape installed for working properly dware are installed good shape		
Door Closer All hardware installed Strike in good shape Securely installed Other				000	No items No non-co Door has	that interfere installed ampliant field modification appropriate signage age is properly affixed		





Annual Fuel Test on Diesel for Generator



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Annual Backflow Prevention

- Boiler is a steam heating systems. The term "boiler" is a carryover from the past when steam boilers were common, which boiled water to make steam. Today's boilers are water heaters and typically use natural gas. Most can heat water in a range from 145-190 degrees, depending on the radiation system. How to Effectively Maintain a Boiler System
 - Examine the Vent and Chimney.
 - Check the Heat Exchanger.
 - Flush out the Boiler.
 - Lubricate the Circulating Pump.
 - Get Help from an Expert.
 - Adjust the Boiler to Operate Efficiently.





OUTLET TESTING

Electrical Receptacle Testing In Long-Term Care Facilities

NFPA 99: 20/2 edition:

What tests are required?

6.3.3.2 Receptacle Testing in Patient Care Rooms.

6.3.3.2.1 The physical integrity of each receptante shall be confirmed by visual inspection.

6.3.3.2.2 The continuity of the grounding circuit in each electrical receptacle shall be verified.
6.3.3.2.3 Correct polarity of the hot and neutral connections in each electrical receptacle shall be

confirmed.

6.3.3.2.4 The recention force of the grounding blade of each electrical receptacle (except locking-type receptacles) shall be not less than 115 g (4 oz.).

Failed Receptacles at patient bed locations shall be replaced with hospital grade outlets, per NFPA 70, 2011 edition, 517.18 (B). These tests need to be completed at least annually on all non-hospital outlets in patient care runns.

It is not the intent that there be a total, immediate replacement of existing non-hospital grade outlets. If is intended that non-hospital grade outlets be replaced with hospital grade outlets upon modification of use, renovation, or as existing receptacles need replacement.

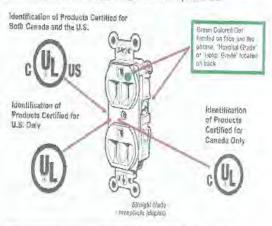


Figure 2, Identification of products destilled for both Canada and the U.S.—lossalibli grade

The documentation should show every outlet rested, show some details of what lest were conducted on that outlet, and whether they passed or failed (may use ounces/grams for retention testing). A facility needs more than a written basic statement that says all outlets have been checked and passed.

RESIDENT ROOMS ELECTRICAL OUTLETS INSPECTIONS / ASSESSMENTS

2012 edition NFPA 99.6.3.3.2 and 10.3 through 10.5.2.3

Location:			Date	e:	_ Initials	:
		Continuity of	T	Tension	T	T
	Physical	grounding	Polarity	Force test	Outlets	
ROOM / LOC	integrity	circuit		(pass/fail)	(pass/fail)	Comments
					" '	
				1		
			-	-		
			-	-	_	
				-	-	
				A		
				1		
			-		-	
	-					
				-	-	
			-	-	-	
~						

Annual Fire Safety Fireman Consultation

	IRE DEPARTMEN	20 05 000 CIAI	TON DOE!	F 40.0	V- 22 -	mar 1	_			
ALL FACILITIES	SNF/ICF - 19 CSF SHALL REQUEST*	CONSULTATION A	ND ASSIST	LF – 19 CSR ANCE ANNU	30-86.022(JALLY FRO	5)(A	LOCAL	FIRE UNI	т	
LE CONSULT REQUESTED	CONTACT PERSON		CONSULT RE	QUEST FULFILLED	97			B ATTEMPTS	-	
DAYE			VES	No	FACILITY ID	201116	ire.		_	
					PAGILITY III	DELTIME	en			
FACILITY NAME					FACILITY TY		7	-		
ADDRESS (STHEET, CITY, ZIP CODE)				_	COUNTY	L	ALF	☐ ICF		SN
					COUNTY					
CONTACT NAME TE			TELEPHONE							
OWNER	DWINER ADMINISTRATORINANAGER									
			1							
This is to confirm that I, the	ne undersigned, have	consulted with the	ne Adminis	trator/Manag	er of the a	bove	-named	facility as	nd fi	ind th
this facility is in complian	ce with an applicable	e city/county fire p	prevention	codes, and t	he items in	dica	ted belo	ow were d	iscu	ISS90
1. Was assistance given wit	th an actual fire evacu	uation drill?				-		YE	S	NC
If yes, please explain.										
									1	
								1	1	
2. Was assistance given wit	th fire safety training?			-		_		_	4	Ш
If yes, please explain.										
									Ш	Î
								1 1-	١.	_
3. Was fire evacuation plann	ning discussed and ta	cility plane reviews	40						4	
If yes, please explain,	3	unity plants toviewe	u.s.						1	
								1	1	_
4. Was fire protection equipm	ment inspected for ma	intonomes and are	antina D						4	
If yes, please explain.	nem mapected for tha	interiance and oper	ration?							
									.	-
										-
5. Is the Fire Department on	gare of enesial ac-	de-tile-so								
 Is the Fire Department aw If yes, please explain. 	vare of special needs	resident?								
5. Is the Fire Department aw If yes, please explain.	vare of special needs	resident?								
 Is the Fire Department aw If yes, please explain. 	vare of special needs	resident?								

QIPMO

- Mo State Form 580-2830
- https://health.mo.gov/seniors/nursinghome s/pdf/580-2830.pdf



ANNUAL EMERGENCY PREPAREDNESS













EMERGENCY PREPAREDNESS

- E-0004 EMERGENCY PLAN ANNUAL REVIEW AND UPDATE
- Facilities are required to develop and maintain an emergency preparedness plan. The plan must include all of the required elements under the standard. The plan must be reviewed and updated at least annually. The annual review must be documented to include the date of the review and any updates made to the emergency plan based on the review. The format of the emergency preparedness plan that a facility uses is at its discretion.

- E-0004 EMERGENCY PLAN ANNUAL REVIEW AND UPDATE
- An emergency plan is one part of a facility's emergency preparedness program. The plan provides the framework, which includes conducting facility-based and community-based risk assessments that will assist a facility in addressing the needs of their patient populations, along with identifying the continuity of business operations which will provide support during an actual emergency. In addition, the emergency plan supports, guides, and ensures a facility's ability to collaborate with local emergency preparedness officials.





EMERGENCY PREPAREDNESS

- This approach is specific to the location of the facility and considers particular hazards most likely to occur in the surrounding area. These include, but are not limited to:
- -Natural disasters
- -Man-made disasters,
- -Facility-based disasters that include but are not limited to: Care-related emergencies;
- -Equipment and utility failures, including but not limited to power, water, gas, etc.;

- -Interruptions in communication, including cyber-attacks;
- -Loss of all or portion of a facility; and
- -Interruptions to the normal supply of essential resources, such as water, food, fuel (heating, cooking, and generators), and in some cases, medications and medical supplies (including medical gases, if applicable).







EMERGENCY PREPAREDNESS

What you need to think about
 ALL HAZARDS APPROACH

What you need to think about
 ALL HAZARDS APPROACH

- □ Policies and Procedures E-0013
- ☐ Emergency Plan E-0009-E0028

(only some apply to LTC)

- ☐ Communication Plan E-0029
- ☐ Testing and Training E-0036
- ☐ Community-Based and/or
- ☐ Facility Based

- \square Is your home in a flood zone?
- ☐ Is your home on a fault line?
- ☐ Likely hood of a severe weather event.
- \square Likely hood of a gas leak.
- ☐ Likely hood of a mass shooter event.
- ☐ Is your home/likely hood of...you fill in the

blank?





ANNUAL STAFF TRAINING

Fire Safety Training Requirements.

(A) The facility shall ensure that fire safety training is provided to all employees:

- I. During employee orientation;
- 2. At least every six (6) months; and
- 3. When training needs are identified as a result of fire drill evaluations. II/III
- (B) The training shall include, but is not limited to, the following:
- 1. Prevention of fire ignition, detection of fire, and control of fire development;
- 2. Confinement of the effects of fire;
- 3. Procedures for moving residents to an area of refuge, if applicable;
- 4. Use of alarms;
- 5. Transmission of alarms to the fire department;
- 6. Response to alarms;
- 7. Isolation of fire;
- 8. Evacuation of the immediate area and building;
- 9. Preparation of floors and facility for evacuation; and
- 10. Use of the evacuation plan required by section (33) of this rule. II/III

- Charge Nurses Need to Know
 - How to turn off fire alarm
 - How to shut off the water
 - How to turn off electrical breaker
 - What they need to report to you and when to call.
 - Active Shooter training
 - Leading all the drills



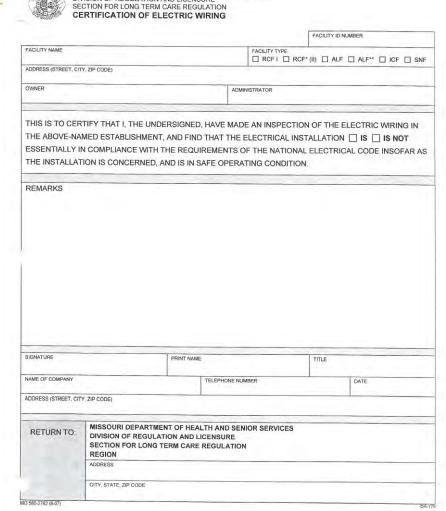


BIENNIAL (2 YEARS) ELECTRIC WIRING

MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES

DIVISION OF REGULATION AND LICENSURE

Mo Form 580-2762







Biennial (2 Years) Boiler & Pressure Vessel

These objects require a biennial internal inspection of the water side.



https://dfs.dps.mo.gov/programs/bpv/

Division of Fire Safety
Boiler & Pressure Vessel Unit
P.O. Box 844
Jefferson City, MO 65102
Phone: (573) 751-8708
Email: boiler@dfs.dps.mo.gov

- The "Division of Fire Safety" must inspect any water heater tank
 - Hot water heaters with heat input greater than
 200,000 British thermal units per hour (Btu/hr)
 - Hot water heating boilers.
 - Steam heating boilers.
 - Steam process boilers. This includes steam kettles, laundry boilers, all process boilers, hot oil or other liquid type boilers, power boilers, locomotives (including amusement types), etc.
 - Air compressor tanks greater than 10 cubic feet in volume or operating at more than 200 psi.
 - Pool heaters with heat input greater than 200,000
 Btu/hr.





BIENNIAL (2 YEARS) GENERATOR LOAD TEST

A Company will do this test







FIVE YEARS SPRINKLER INTERNAL PIPE INSPECTION

NFPA 25 requires an internal inspection of fire sprinkler system piping every five years. This is to be conducted to inspect for the "presence of foreign organic and inorganic material." Foreign materials can cause obstructions to pipe and sprinklers.

There are three levels of internal pipe inspections, according to NFPA 25:

- I. Internal Pipe Inspection this requires the opening of a flushing connection at the end of one main and removal of one sprinkler head near the end of a branch line. These openings are to be inspected for the "presence of foreign organic and inorganic material."
- 2. Internal Pipe Examination for 'At-Risk' Systems NFPA 25 lists conditions in which this type of internal pipe exam is to be performed. This inspection requires internal pipe examinations at the following four points of a fire sprinkler system:
 - System valve
 - Riser
 - Cross main
 - Branch line
- 3. Obstruction Investigation This is to be performed if "foreign organic or inorganic material" is found during an internal pipe inspection. NFPA 25 provides the requirements to conduct obstruction investigations.





POWER STRIPS



- The only Power Strip that can be used in a nursing facility is 1363
 - No health equipment can be plugged into one such as
 - Beds
 - Nebulizer
 - O2 Concentrator





ALCOHOL-BASED HAND RUBS

- Required to be protected against "inappropriate access".
- I" around rub
- No outlets or light switches
- Can have one in bathroom and one in bedroom
- Cannot be in kitchen
 - Kitchen staff must use soap and water



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LEGIONELLA



• Legionnaires disease is a common type of bacterial infection that affects thousands of people across the United States every year. It's caused by the legionella bacterium and is most often spread through the air for example, when someone who has the disease coughs close enough to someone without covering their mouths - and if you have Legionnaires disease, you can be hit with a range of symptoms approximately two weeks after you have been exposed to the bacteria, according to the CDC.





BE ON THE TEAM

The team is to identify areas in the water system where Legionella can grow and spread in order to reduce the risk of Legionnaire's disease.

The water management team:

- a. **Maintenance**
- b. Administrator
- c. Director of Nursing
- d. Infection Prevention Nurse
- e. Medical Director







A DETAILED DESCRIPTION AND DIAGRAM OF THE WATER SYSTEM IN THE FACILITY WILL INCLUDE:

Water intake Cold water delivery Heating Hot water delivery Waste





IDENTIFICATION OF AREAS IN THE WATER SYSTEM THAT COULD ENCOURAGE THE GROWTH AND SPREAD OF LEGIONELLA

Water heaters

Filters

Showerheads

Hoses

Personal humidifiers

Medical machines such as a CPAP





SITUATIONS THAT COULD ARISE AND LEAD TO LEGIONELLA







WATER MAIN BREAKS



CHANGES IN WATER SOURCE



SCALE OR SEDIMENT AND STAGNATION



WATER TEMPERATURES



WATER PRESSURE



INADEQUATE DISINFECTION





OIG REPORT

• https://oig.hhs.gov/oas/reports/region7/71803230.pdf





AND ALL OF THE REST

- Be ready to demonstrate generator
- Check that call light cords are in proper condition and functional.
- Check that bathroom call cords are in place.
- Make sure that outdoor lighting is working properly.
- Ensure all window screens fit properly and are clean.
- Check oxygen storage frequently to ensure tanks are individually chained/secured in place.
- Check for extension cords in resident's rooms.
- Ensure that doors are not propped open.
- Ensure that dumpster lid is closed at all times and the area is clean.
- Do NOT take surveyors to your shop or any area unless they specifically request.
- Make sure that equipment/supplies are not left in resident corridors to block egress.





AND ALL OF THE REST

- Organize and supervise all maintenance of facility.
- Coordinate and schedule extra cleaning of areas (i.e. waxing floors, buffing kitchen, etc.)
- · Responsible for cleanliness of all housekeeping and maintenance equipment.
- Responsible for consulting with sales representatives about needed products for the facility.
- Responsible for ordering supplies for maintenance.
- Responsible for inventory and ordering???
- Consult with Administrator on a PRN basis about needed items for maintenance department.
- Schedule preventative maintenance on equipment, air handling units, etc. throughout the facility.
- Have a working knowledge of duties of employees in maintenance departments.
- Keep boiler and boiler room clean and in working order.
- Keep maintenance and all work areas clean.
- Arrange for outside people to make any repairs that facility staff are unable to do. Know when they are in the building and supervise their work, keeping a log at all times of hours worked.
- Responsible for exterior maintenance and appearance.
- Maintain the facility van.
- Attend in-services and meetings as posted.
- Be familiar and comply with all personnel policies.





BEING PREPARED

- Better to be Proactive instead of Reactive
- Observe for any areas where processes are breaking down.
- Have quick focused stand-up meeting with management – helps keep the element of surprise and reactions smoother



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MOCK SURVEYS

 When we get the buildings opened back up and your home gets to go to Phase III, we will be more than happy to visit with you and go through this list again or do a Mock Life Safety Code Inspection.

PHASE III

• We can Zoom or chat on phone.







RESOURCES

- https://nursinghomehelp.org/wp-content/uploads/2018/06/SECT-2-Life-Safety-Codes.pdf
 - Lists all the K-tags and explains a little about them.





QUESTIONS









CEU's TODAY

This Webinar is worth 1 CEU hour for Administrators today.

In order to get the credit you do have to complete the brief survey that will pop up at the end of the webinar.



Libby Youse, BGS, LNHA, CDP

University of Missouri

Sinclair School of Nursing

660-651-3778

Central/Midwest/North

youseme@missouri.edu

nursinghomehelp.org

https://nursinghomehelp.org/wpcontent/uploads/2018/06/SECT-2-Life-Safety-Codes.pdf



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Nursing Home Help

We can do virtual visits via zoom!





Core Infection Prevention and Control Practices for Safe Healthcare Delivery in All Settings – Recommendations of the HICPAC

https://www.cdc.gov/hicpac/recommendations/core-practices.html

(Under 5a)

Unless hands are visibly soiled, an alcohol-based hand rub is preferred over soap and water in most clinical situations due to evidence of better compliance compared to soap and water. Hand rubs are generally less irritating to hands and are effective in the absence of a sink.

Refer to "CDC Guideline for Hand Hygiene in Health-Care Settings" or "Guideline for Isolation Precautions: Preventing Transmission of Infectious Agents in Healthcare Settings, 2007" for additional details.

Side Rails Assessment & Consent Observation Resident Name: MR#:___ U/R/B:___ **OBSERVATION INFORMATION** Creator: **Observation Date:** Date Recorded: **Completed Date:** Completed By: DESCRIPTION OBSERVATION DETAIL SIDE RAILS ASSESSMENT AND CONSENT PHYSICIAN ORDERS Types of rails to be used Device Decision tree does not need to completed if side rails are not being used Г 1/4 rail up X1 □ No side rails needed Γ 1/4 rail up X2 Reason for side rail usage. Assist with Transfer □ Boundary Limitations F Bed Mobility (assist with turning side-to-side) F N/A Used as an enabler Fill out informed consent for restraint or enabler, as appropriate F N/A No (used as a restraint) Is resident alert and oriented and requests Yes F N/A F No Air Mattress T Yes (Setting:) T No Reason for use, if not an enabler (Diagnosis) Falls is not an acceptable reason. If this device is a restraint, physician's order must be received prior to use and must include reason for use. RISKS AND BENEFITS **Device Decision Guide Reviewed** T No Risks and benefits were explained to resident/family, including the risk of significant injury if a fall OCCUTS. No ~ Yes

T Does not Apply

Date the risks/benefits were explained.

Γ Date:

FULL NAME of person(s) to whom the	were explained.
□ Name:	□ Does not Apply
SIGNATURES	
Family and Staff sign the consent	on paper then put in chart.
ADDITIONAL OBSERVATION INFO	
Completed By:	Date: