

Administrative Procedure

HLMI-PRO-FP-51050

ATS-310, Section 9.8

Control of Flammable Liquid Storage Cabinets

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Control of Flammable Liquid Storage Cabinets



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1.0 PURPOSE AND SCOPE

This procedure applies to purchase of new and/or acquisition of used flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers, and to their disposal. Flammable liquid storage cabinet and refrigerator/freezer purchases, placements, relocations, use, maintenance, modifications, and their disposal shall be regulated by this procedure in all 222-S Laboratory Complex buildings.

2.0 REQUIREMENTS

Implementation of this procedure aids in continuous improvement and demonstrates employee involvement, management leadership, and control of hazards in the workplace.

2.1 General

Authorization shall be obtained from Hanford Laboratory Management and Integration, LLC (HLMI) Fire Protection Engineering to purchase, place, relocate, modify, and dispose of flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers.

Chemicals are managed in accordance with HLMI-PRO-SH-50151, *Chemical Management for the 222 S Laboratory Complex*, and HLMI-PLN-SH-51037, *222-S Laboratory Complex Chemical Hygiene Plan*. Chemical storage requirements are contained in HLMI-PLN-SH-51037.

When repairs of flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers become necessary, only original equipment manufacturers' supplied parts shall be used. Repairs shall first be approved by the HLMI Fire Protection Engineer.

Modifications (e.g., the installation of a lock hasp) to flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers are prohibited.

EXCEPTIONS: Modifications to flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers are permissible only when:

- The modification is supported by the equipment manufacturer via approved manufacturer letter that identifies the allowable modification and when using only original equipment manufacturers' supplied parts.
- Installing vents (see Section 2.3 below).

Planned modifications to flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers shall first be approved by the HLMI Fire Protection Engineer.

2.2 Design and Construction

NOTE: Appendix A is an example of a manufacturer's compliance certification plate.

NOTE: Examples of nationally recognized testing laboratories (NRTLs) include Factory Mutual Research Corporation, Southwest Testing Laboratories, and Underwriter's Laboratories, Inc. (UL).

Flammable liquid storage cabinets purchased after February 2005 shall be listed and/or approved by an NRTL.

New flammable liquid storage cabinets shall be constructed and tested in accordance with UL 1275, *Flammable Liquid Storage Cabinets*, and FM Class Number 6050, *Approval Standard for Storage Cabinets (Flammable and Combustible Liquids)*.

All flammable liquid storage cabinets, with the exceptions noted above, shall have a label indicating the following information:

- Name or registered trademark of the NRTL listing or approving the cabinet for use. If a current cabinet does not have an NRTL listing, contact the Technical Authority for guidance.
- Maximum volume for which the cabinet is rated.

Refrigerators and freezers used to store or cool flammable liquids shall be designed and constructed for the storage of flammable liquids and listed as special purpose units for use in laboratories or equipment listed for Class I, Division 1 locations, as described in Article 501 of NFPA 70®, *National Electrical Code*®.

Flammable liquid storage cabinets, refrigerators, and freezers shall have a conspicuous label in red letters on a contrasting background reading, "FLAMMABLE - KEEP FIRE AWAY."

Only manufacturer-installed locks shall be used.

2.3 Installation Requirements

The HLMI Fire Protection Engineer shall approve the purchase and placement of all flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers.

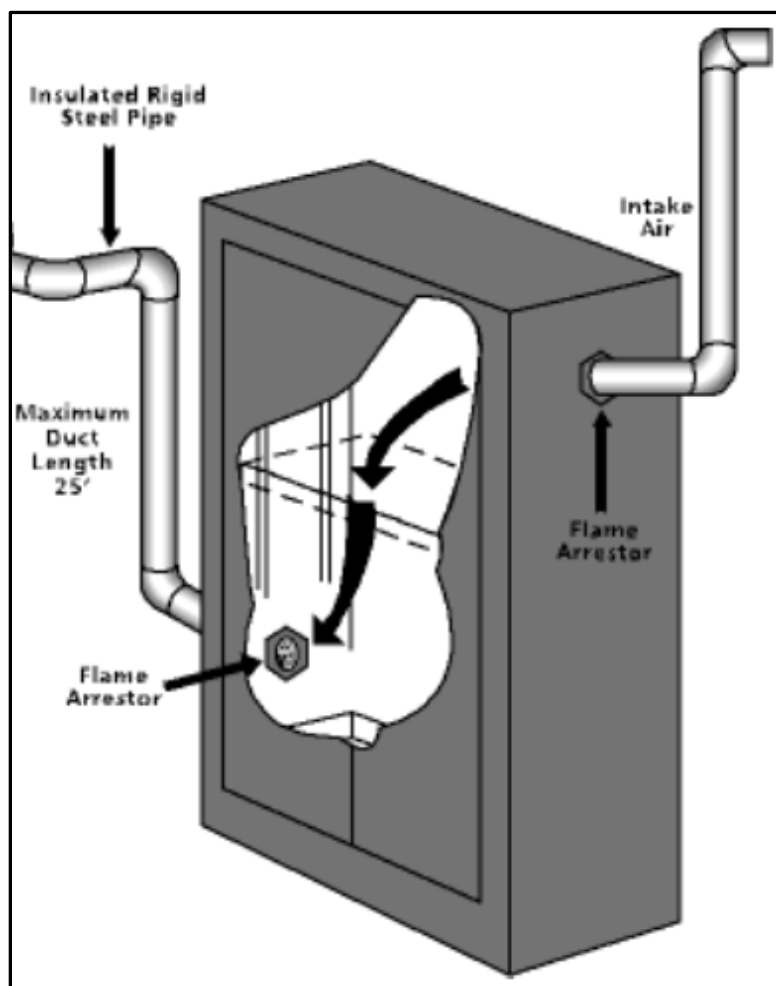
If the flammable liquid storage cabinet is not vented, the bung openings shall be sealed with the manufacturer-supplied bungs.

Venting flammable liquid storage cabinets is not required.

If free-standing flammable liquid storage cabinets are installed and vented, they shall meet the following installation criteria:

- The cabinet shall be vented directly to the approved building exhaust systems or directly to the building exterior in a manner that will not compromise the specified performance of the cabinet.

- Venting shall be accomplished using the two bung openings provided by the manufacturer. Piping must have an inner diameter no less than that of the opening and threaded to match the hole that's manufactured into the cabinet. PVC or plastic piping shall not be used since it cannot withstand high temperatures such as in a fire. The total run of vent piping should not exceed 25 feet.
- DO NOT manifold vent piping to or from multiple cabinets.
- Remove both metal bungs from sides of cabinet and replace flame arrester screens (normally, these come with the cabinets) into the openings.
- Each vent line shall have a 135 °F fusible link shut-off valve installed (e.g., similar to Jamesbury Figure 1075 Emergency Shutoff and Firesafe Valve, normally open, spring to close).
- Exhaust air shall be taken from the lower vent site on the flammable storage cabinet and routed to the bottom of the laboratory fume hood exhaust system (see image below). Do not vent directly into a fume or through the fume hood work surface.



- Make-up air shall be through the upper vent location and draw air from the outdoors or from a different air space.
- All vent pipes shall be of substantial noncombustible construction and shall be bonded to prevent buildup of static charge.
- Venting flammable liquid storage cabinets shall not require defacing or modifying the structure of the flammable liquid storage cabinet by cutting or drilling holes into the cabinet.

2.4 Limitations

Chemical storage requirements are addressed in HLMI-PLN-SH-51037. Solid combustible materials (e.g., adsorbent materials, paper, wood) are prohibited from storage in flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers. Exceptions may be allowed by written approval from the Fire Protection Engineer.

Incompatible materials shall not be stored in flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers when they contain flammable and combustible liquids.

The amount of flammable and combustible liquids outside flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers should be kept to a minimum.

Flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers shall not be placed on any form of mobile device except during their delivery, relocation, or removal for disposal.

Prohibited locations for installation/placement of flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers include the following:

- Egress aisles, hallways, stairwells, and corridors
- Mechanical rooms.

Flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers shall not contain more liquid volume than their listed capacity.

When procuring flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers, approval of HLMI Fire Protection Engineering is required. Approval designators for purchase of flammable liquid storage cabinets shall be "S" and "F."

3.0 RESPONSIBILITIES

To help manage risk, flammable and combustible liquids are maintained in flammable liquid storage cabinets and in flammable liquid storage refrigerators/freezers when not in use. Additionally, some chemicals have a limited quantity that can be stored and used in the facility. These are specified in a Hanford Fire Marshal Permit (see Hanford Fire Marshal Permit 2023-0036).

3.1 Employees Responsible for Flammable Liquid Storage Cabinets and Refrigerators/Freezers

- Ensure HLMI Fire Protection Engineering is included in the procurement and placement of new or used flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers, or their relocation or disposal.
- Maintain an inventory of materials stored in each flammable liquid storage cabinet consistent with HLMI-PRO-SH-50151.
- Ensure incompatible materials are appropriately segregated from each other (see HLMI-PLN-SH-51037 and HLMI-PRO-SH-50151).
- Ensure the chemical inventory within the flammable liquid storage cabinets and the flammable liquid storage refrigerators/freezers do not exceed their listed capacities.
- Ensure label reading, "FLAMMABLE - KEEP FIRE AWAY," is displayed on flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers.

3.2 HLMI Fire Protection Engineering

NOTE: *NFPA utilizes its own definitions and classifications that are different than the Global Harmonized System (GHS).*

- Performs annual inspections of flammable liquid storage cabinets and the flammable liquid storage refrigerators/freezers using Appendix C of this procedure.
- Performs periodic inspections of in-service cabinets.
- Revokes authorization for flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers, as necessary, according to this procedure.
- Provides the results of the Appendix C inspections to Analytical Operations and to Facility Operations.
- Documents any deficiencies on the inspection checklist.
- Generates iCAS Action Requests for inspection checklist deficiencies when appropriate.
- Submits the signed inspection checklist to ^HLMI_Records_Management.

- Manages Appendix B and Appendix C when flammable liquid storage cabinets and the flammable liquid storage refrigerators/freezers are relocated, added to the inventory, and when their disposal occurs.

3.3 222-S Laboratory Facility Engineering

222-S Laboratory Facility Engineering approves this procedure to maintain knowledge of the content herein.

3.4 222-S Laboratory Operations

- Approves this procedure to maintain knowledge of the content herein.
- Stores chemicals in accordance with HLMI-PLN-SH-51037.
- Requests a new label and new label number for each flammable liquid storage cabinet and flammable liquid storage refrigerator/freezer that is missing a label or enters the building.
- Receives approval from the Fire Protection Engineer in advance of placing into service a new flammable liquid storage cabinet or flammable liquid storage refrigerator/freezer, or their relocation/disposal.

4.0 PROCESS**4.1 Flammable Liquid Storage Cabinet Control**

Actionee	Step	Action
		<i>NOTE: A flammable liquid storage cabinet may be purchased new, or a used cabinet may be relocated from another building or facility.</i>
Responsible Employee	1.	REQUEST HLMI Fire Protection Engineering authorization for: <ul style="list-style-type: none"> • Procurement and placement of new or used flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers • Relocation/disposal of existing flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers.
	2.	INCLUDE the following information with an authorization request: <ul style="list-style-type: none"> • Requested location of the flammable liquid storage cabinet or flammable liquid storage refrigerator/freezer; include building name/number, room number, and specific location in the room • Expected length of time cabinet will be in the specific location • Listed volume of the cabinet requested.
HLMI Fire Protection Engineer	3.	INSPECT the proposed location for a new or relocated flammable liquid storage cabinet or flammable liquid storage refrigerator/freezer.
	4.	REVIEW other existing flammable liquid storage cabinet and flammable liquid storage refrigerator/freezer locations and exposure hazards in the area of the proposed new location.
	5.	REVIEW any associated installations (e.g., installing exhaust ventilation, grounding, or multiple flammable liquid storage cabinets in the same room or fire area).
	6.	REVIEW the proposed flammable liquid storage cabinet and flammable liquid storage refrigerator/freezer inventory.
	7.	Update Appendix B and Appendix C with the new information within 10 business days of the flammable liquid storage cabinet or flammable liquid storage refrigerator/freezer being placed into service.
	8.	PERFORM annual inspections of flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers (using Appendix C) to ensure procedure compliance.

Actionee	Step	Action
HLMI Fire Protection Engineer	9.	REVOKE authorization for use of flammable liquid storage cabinets and flammable liquid storage refrigerators/freezers if any of the following conditions exist: <ul style="list-style-type: none"> • Placement of prohibited material in the flammable liquid storage cabinet or flammable liquid storage refrigerator/freezer, such as ordinary combustible material (e.g., wood, paper, plastic, and cloth), reactive material, pyrophoric material, or other incompatible material • Storage of flammable and/or combustible liquids in excess of the maximum volume listed on the manufacturer's approval label • Unapproved modification to the flammable liquid storage cabinet or flammable liquid storage refrigerator/freezer • Unapproved relocation of the flammable liquid storage cabinet or flammable liquid storage refrigerator/freezer • Modifications not supported by the manufacturer, doors that do not latch shut, and unacceptable damage.
Responsible Employee	10.	UPON notification of authorization termination or revocation: <ol style="list-style-type: none"> a. DISCONTINUE any operations involving the affected flammable liquid storage cabinet or flammable liquid storage refrigerator/freezer. b. REMOVE all material currently stored in the flammable liquid storage cabinet or flammable liquid storage refrigerator/freezer. c. PLACE the removed material in storage into another flammable liquid storage cabinet(s) or flammable liquid storage refrigerator/freezer. <p>NOTE: <i>Lettering on the placard should be green or blue print on a contrasting background and at least 2 inches tall.</i></p> <ol style="list-style-type: none"> d. AFFIX a placard upon the cabinet stating, "THIS CABINET/REFRIGERATOR/FREEZER IS OUT OF SERVICE." 11. To reinstate the previously revoked flammable liquid storage cabinet authorization: <ol style="list-style-type: none"> a. CONSULT with HLMI Fire Protection Engineer to determine the appropriate corrective action(s). b. CORRECT the noncompliant problem that caused revocation of the authorization. c. REQUEST on-site review.

Actionee	Step	Action
Responsible Employee	d.	OBTAIN approvals.
HLMI Fire Protection Engineer	12.	REISSUE previously revoked authorization upon verified correction of the noncompliance(s).
Responsible Employee	13.	Report flammable liquid storage cabinet and flammable liquid storage refrigerator/freezer malfunctions and abnormalities (e.g., handle does not work properly, door does not close with ease) to the HLMI Fire Protection Engineer.
	14.	<p><u>IF</u> a flammable liquid storage cabinet or flammable liquid storage refrigerator/freezer is no longer needed, <u>OR IF</u> the unit is to be relocated, <u>OR IF</u> the unit is deteriorated and cannot be repaired, <u>THEN</u> PERFORM the following actions:</p> <p>a. REQUEST cancellation of the authorization.</p> <p>b. REMOVE all flammable and combustible liquids from the unit to another approved unit.</p> <p>NOTE: <i>Lettering on the placard shall be green or blue print upon a contrasting background and at least 2 inches tall.</i></p> <p>c. AFFIX a placard upon the unit stating, "THIS CABINET/REFRIGERATOR/FREEZER IS OUT OF SERVICE."</p> <p>d. CLEAN UP any residue from material previously stored in the cabinet.</p>

5.0 RECORD IDENTIFICATION

The Record Capture table identifies the records generated during the performance of this procedure.

Table 1. Records Capture

Record Name	Record Processed By
Appendix C - Inspection Checklist for Flammable Liquid Storage Cabinets and Flammable Liquid Storage Refrigerators/Freezers	ERA-210483

Documents are controlled in accordance with HLMI-PRO-IRM-50386, *Document Control*.

Completed records are managed in accordance with HLMI-PRO-IRM-50387, *Records Management*.

6.0 SOURCES

6.1 Requirements

29 CFR 1910.7, "Definitions and Requirements for a Nationally Recognized Testing Laboratory"

DOE O 420.1C, *Facility Safety*

DOE STD-1066-2016, *Fire Protection*

FM Class Number 6050, *Approval Standard for Storage Cabinets (Flammable and Combustible Liquids)*

HLMI-PLN-SH-51037, *222-S Laboratory Complex Chemical Hygiene Plan*

HLMI-STD-FP-50565, *Fire Marshal Permits, Combustible Controls, and Construction/Occupancy Requirements*

International Building Code

NFPA 30, *Flammable and Combustible Liquids Code*

NFPA 45, *Standard on Fire Protection for Laboratories Using Chemicals*

NFPA 70®, *National Electrical Code*®.

UL 1275, *Flammable Liquid Storage Cabinets*

Washington Administrative Code (WAC) 173-303, "Dangerous Waste Regulations"

6.2 References

HLMI-PRO-IRM-50386, *Document Control*

HLMI-PRO-IRM-50387, *Records Management*

HLMI-PRO-SH-50151, *Chemical Management for the 222 S Laboratory Complex*

APPENDIX A - COMPLIANCE CERTIFICATION PLATE (EXAMPLE)



APPENDIX B - 222-S LABORATORY COMPLEX FLAMMABLE LIQUID STORAGE CABINET INVENTORY

Number	Location (Bldg or Area)	Room Number	Capacity (Gallons)	NRTL Label (Y/N)	Comments
222S-001	222-S	S3-B	15	Y	Near entrance
222S-002	222-S	4-M	15	Y	Part of custom-built cabinet system (hood #2)
222S-003	222-S	4-E	60	N	Vented
222S-004	222-S	4-E	60	N	Vented
222S-005	222-S	4-E	60	N	Vented
222S-017	2716-S	Indoors	approx. 45	Y	West of roll-up; no volume on the label
222S-021	222-S	3-C	20	N	Cabinet has been modified with a hasp and padlock, which violates its listing.
222S-022	222-S	1-GB	4	N	
222S-031	222-S	4-D	45	Y	SAA
222S-032	222-S	4-H	12	N	SAA, label inside the door
222S-034	2716-S	HAZMAT Store Rm	12	N	Located inside; NW of Door Entrance; SAA
222S-035	227-S	Storage Room	45	Y	In storage, not in use
222S-038	222-S	4-H	12	N	
222S-039	222-S	2-F	12	N	
222S-040	222-S	11-A	Approx. 4	N	On east wall, volume revised to reflect actual rated size of cabinet
222S-041	222-S	4-R	4	N	
222S-043	222-SH	1	45	Y	Moved from 222-SA March 2013; vented (top bung is missing)
222S-045	222-S	1-GA	4	N	
222S-046	222-S	4-L	22	Y	
222S-047	222-S	4-TUV	4	N	Under work counter across from fume hood
222S-048	2716-S	Outside	60	Y	Outside, north side west of overhead door
222S-049	222-SH	1	45	Y	Vented; west wall
222S-051	222-S	4-P	4	Y	Warning stickers on top; therefore, placing objects on top is prohibited
222S-052	East of 2704-S in Parking Lot	Outside	Approx. 30	N	Adjacent to EP boxes; this is a repurposed older cabinet to store ERO supplies – a portable generator and a 2-gallon Flam. Liq. gas can (24-hr. gas supply); cabinet is blue in color and is maintained locked
222S-053	222-S	3-H	4	N	Maintenance Annex
222S-055	222-S	B-1F		N	Basement Counting Room; has HFMP

Number	Location (Bldg or Area)	Room Number	Capacity (Gallons)	NRTL Label (Y/N)	Comments
222S-056	222-S	4-M	20	N	Refrigerator #1 (moving from 1GB into 4M during week of March 27, 2023)
222S-057	222-S	4-H	Unk.	N	Refrigerator #1
222S-058	222-S	4-M	Unk.	N	Refrigerator #1 (FAILED Week of March 27, 2023) PROPERTY EXCESS REQUEST – NOT IN USE
222S-059	222-S	4-M	Unk.	N	Freezer #1
222S-060	222-S	4-TUV	Unk.	N	Refrigerator #1 – Moved from 4-Q during week of March 27, 2023.
222S-061	222-S	4-TUV	Unk.	N	Refrigerator #1 (FAILED Week of March 20, 2023) PROPERTY EXCESS REQUEST – NOT IN USE
222S-062	222-S	4-TUV	Unk.	N	Refrigerator #3
222S-063	222-S	4-TUV	Unk.	N	Freezer #4
222S-064	222-SH	6-C	Unk.	N	Refrigerator #116
222S-065	222-SH	6-C	Unk.	N	Refrigerator #121
222S-066	222-S	4-N	12	N	
222S-067	227-S	Inside			Freezer; south against cage
N/A	222-S	1-J			PROPERTY EXCESS REQUEST – NOT IN USE
222S-068	222-S	4-Q	Unk.	N	Refrigerator (moving from 227-S during week of March 27, 2023)
222S-069	222-S	4-TUV	Unk.	N	Refrigerator
222S-070	222-S	4-TUV	Unk.	N	Refrigerator
222S-071	227-S	Storage Room	Unk.	N	Refrigerator – Spare. Refrigerator will be delivered to 227-S before being relocated to another warehouse away from 222-S Complex.

APPENDIX C - INSPECTION CHECKLIST FOR FLAMMABLE LIQUID STORAGE CABINETS AND FLAMMABLE LIQUID STORAGE REFRIGERATORS/FREEZERS

On an annual basis, the HLMI Fire Protection Engineer shall complete the following checklist for each Flammable Liquids Storage Cabinet (FLSC), and Flammable Liquids Storage Refrigerator (Ref) and Freezer (Frzr). The FLSC in Room B1F allowed by a Hanford Fire Marshal Permit (HFMP).

FLSC / Ref / Frzr Number	Location (Bldg)	Room Number	Mfg. Volume (Gallons)	NRTL Label (Y/N)	Flammable Keep Fire Away Label (Y/N)	Type (FLSC / Ref / Frzr)	Proper Venting (Y/N)	Mods	All Points Latch (Y, N, N/A)	Doors Self Close (Y, N, N/A)	Comments
222S-001	222-S	S3-B	15	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-002	222-S	4-M	15	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-003	222-S	4-E	60	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-004	222-S	4-E	60	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-005	222-S	4-E	60	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-017	2716-S	Indoors	approx. 45	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-022	222-S	1-GB	4	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-031	222-S	4-D	45	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-032	222-S	4-H	12	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-034	2716-S	Storage Rm	12	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-035	227-S	Storage Room	45	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-038	222-S	4-H	12	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-039	222-S	2-F	12	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	

Control of Flammable Liquid Storage Cabinets

FLSC / Ref / Frzr Number	Location (Bldg)	Room Number	Mfg. Volume (Gallons)	NRTL Label (Y/N)	Flammable Keep Fire Away Label (Y/N)	Type (FLSC / Ref / Frzr)	Proper Venting (Y/N)	Mods	All Points Latch (Y, N, N/A)	Doors Self Close (Y, N, N/A)	Comments
222S-040	222-S	11-A	Approx. 4	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-041	222-S	4-R	4	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-043	222-SH	1	45	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-045	222-S	1-GA	4	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-046	222-S	4-L	22	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-047	222-S	4-TUV	4	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-048	2716-S	Outside	60	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-049	222-SH	1	45	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-051	222-S	4-P	4	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-052	NW of 222-S	East of 2704-S in Parking Lot	Approx. 30	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-053	222-S	3-H	4	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-055	222-S	B-1F	19	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-056	222-S	4-M	20	Y/N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-057	222-S	4-H	Unk.	N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	

Control of Flammable Liquid Storage Cabinets

FLSC / Ref / Frzr Number	Location (Bldg)	Room Number	Mfg. Volume (Gallons)	NRTL Label (Y/N)	Flammable Keep Fire Away Label (Y/N)	Type (FLSC / Ref / Frzr)	Proper Venting (Y/N)	Mods	All Points Latch (Y, N, N/A)	Doors Self Close (Y, N, N/A)	Comments
222S-058	222-S	4-M	Unk.	N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	Refrigerator #1 (FAILED Week of March 27, 2023) PROPERTY EXCESS REQUEST – NOT IN USE
222S-059	222-S	4-M	Unk.	N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222-060	222-S	4-TUV	Unk.	N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-061	222-S	4-TUV	Unk.	N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	FAILED Week of March 20, 2023) PROPERTY EXCESS REQUEST – NOT IN USE
222S-062	222-S	4-TUV	Unk.	N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-063	222-S	4-TUV	Unk.	N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-064	222-SH	6-C	Unk.	N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-065	222-SH	6-C	Unk.	N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-066	222-S	4-N	12	N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-067	227-S	Inside			Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
N/A	222-S	1-J									PROPERTY EXCESS REQUEST – NOT IN USE
222S-068	222-S	4-TUV	Unk.	N	Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	

Control of Flammable Liquid Storage Cabinets

FLSC / Ref / Frzr Number	Location (Bldg)	Room Number	Mfg. Volume (Gallons)	NRTL Label (Y/N)	Flammable Keep Fire Away Label (Y/N)	Type (FLSC / Ref / Frzr)	Proper Venting (Y/N)	Mods	All Points Latch (Y, N, N/A)	Doors Self Close (Y, N, N/A)	Comments
222S-069	222-S	4-Q	Unk.		Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-070	222-S	4-TUV	Unk.		Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	
222S-071	227-S	Storage Room	Unk.		Y/N	FLSC / Ref / Frzr	Y/N	Y/N	Y, N, N/A	Y, N, N/A	Refrigerator – Spare. Refrigerator will be delivered to 227-S before being relocated to another warehouse away from 222-S Complex.

Where appropriate, ARs have been initiated and the AR number has been referenced on this checklist.

 Print Name of Person the Inspection(s)
 Were Performed By

 Signature of Person the Inspection(s)
 Were Performed By

 Date Inspection(s)
 Completed