LLNL-TR-475451

LLNL's Diagram of Chronological Events and B695 Weekly Inspection Reports

April 2011

V. Salvo Environmental Analyst



Activities Leading to the Incident



RCRA Class 2 Permit Modification

Granted on July 25, 2007 to install a
walk-in fume hood in room 1025*

USQ-695-07-148 to do the work approved on 9/17

Ducting removed early October done by Facility Personnel under IWS 10331.09

Ducting swiped for "free release" radioactivity only by team 1 personnel on 10/16

All ducting and valves remained in building 695 room 1025 except for one piece delivered to building 391 (MMED shop)

* Fume Hood Procurement Approval, August 2007 Preliminary discussions and justification for modification April 2006 NNSA submittal in November 2006 Material delivered by facility personnel to MMED shop B391 on/about 10/19

MMED personnel took a duct piece to B511 shop and removed the flange which went to salvage

MMED personnel took the duct piece back to B391 shop and welded on a cap

RHWM personnel picked up the welded duct from B391 around 10/26 and returned it to B695 room 1025

The analysis report received on 12/3 indicated that beryllium swipes taken on 11/16, in B695 room 1025, and on ducting that did not leave the room where personnel worked, were above release level for beryllium

Ducting swiped for beryllium was done by different personnel than those done for radioactivity

Weekly Inspection Log for Building 695 S/TUG

Name of Inspector(s) (print) R	oyElam		Date	10/16/07	Time Inspe	ected	115	
Instructions: Enter "✓" for YES, '	X", for NO, and		ot applicab	le. For eac	h "X" enter	ed, write a	complete	
explanation in the comments sec	tion on page 2.		10/-	oto Ctore u	!!			
		T		Waste Storage units				
GENERAL STORAGE UNIT	LWP Area	Rm 1027	Cell 1 Rm 1022	Cell 2 Rm 1021	Cell 3 Rm 1020	Cell 4 Rm 1019	RWP Area	
1. Is area free of spills and leaks?			V	1	V	V		
Is area posted with appropriate I and cautionary signs?	nazard		V		1/	V	/	
Is aisle space adequate for store hazardous waste?	ed 🗸	/		/		V	V	
4. Is containment system in good condition?		/	V	/	V	1/	V	
				CONTAINE	RS			
5. Are all containers properly labels are labels in plain view for inspec		/		/	✓.			
6. Are labels legible and complete?		V	V	/	V	/	~	
7. Are containers in good condition flaking rust, structural defects, le bulging, or weeping containers?			V		✓ 	/	1/	
8. Is separation adequate for incomwastes?	patible V	/	/		V	/		
Are ignitable wastes isolated from sources of ignition and at least 50 from LLNL property line?			V	V	V	V	$\sqrt{}$	
GENERAL FACILITY	1	//X/NA					200 20% 200	
Is emergency equipment function accessible (A)? Fire Extinguisher(s) Shower(s)*	al (F) and/or	F A	*Showers	s are functi	on-tested o	on a month	lv basis	
Eyewash(es)		VV	during th	e first wee	k of every i	nonth. The		
Telephone(s)/Paging System	ational and	· / /	-					
11. Is decontamination equipment fur readily available?	ictional and							
12.—Are all emergency spill kits compl	ete (sealed)?**				e months			
Provide date of last quarterly integrity check 10/2/07		ν	1.00	October.	e montris c	n January,	Арш,	
13. Are all gates and doors locked who by RHWM?	en not in use	V						
14. Are the required warning signs po entrances and other locations out in sufficient numbers to assure the	side the facility					100		
from all approaches? 15. Are warning signs legible from 25	#2			*				
rpection completed by (signatures)	Roy 9.5	2	(la)		Date	0/16/07		

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Expiration Date: 3/15/09

WEEKLY INSPECTION LOG FOR BUILDING 695 S/TUG COMMENTS SHEET

ltem			Comments/Corrective	SSR No.	Nature of	Date	3
No.	Area	Date	Action Needed	(if applicable)	Repairs	Corrected	lı
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Weekly Inspection Log for Building 695 S/TUG

Name of Inspector(s) (print) Over Instructions: Enter "\sqrt{"}" for YES, "X", for N		<u>∞nder:</u> "NA" for no						
explanation in the comments section on	page 2.					~		
	Waste Storage units							
GENERAL STORAGE UNIT	LWP Area	Airlock Rm 1027	Cell 1	Cell 2	Cell 3	Cell 4	RWP	
d leave fine of cities and leave of	-	HIII 1027	Rm 1022	Rm 1021	Rm 1020	Rm 1019	Area	
Is area free of spills and leaks? Is area posted with appropriate hazard					V	<i>U</i> .		
and cautionary signs?	/	/	/	/	/	~	V	
Is aisle space adequate for stored hazardous waste?	/	/	/	✓ ·	/	V .	V	
4. Is containment system in good condition?	V	/		/		~		
	2 4		. (CONTAINE	RS			
5. Are all containers properly labeled and are labels in plain view for inspection?		/	1				/	
6. Are labels legible and complete?	/	/	/	. /	/	~	/	
7. Are containers in good condition; no flaking rust, structural defects, leaking, bulging, or weeping containers?	/	/	~	/	V	/	/	
8. Is separation adequate for incompatible wastes?	/	/	/	/	1	ン		
Are ignitable wastes isolated from sources of ignition and at least 50 ft from LLNL property line?						V		
GENERAL FACILITY	· /	/ X /NA		Maria Com				
10. Is emergency equipment functional (F) an accessible (A)?	d/or	F A						
Fire Extinguisher(s)	100	NA V						
Shower(s)*	*Showers are function-tested on a monthly basis							
Eyewash(es)	during the first week of every month. The date is noted on the tag on the shower unit.							
Telephone(s)/Paging System								
11. Is decontamination equipment functional a readily available?	and	/						
12. Are all emergency spill kits complete (seal	**Spill kit contents are tested for integrity on a quarterly basis in the months of January, April, July, and October.							
Provide date of last quarterly integrity check \(\mu \) \(\lambda \) \(\lambda \) \(\lambda \) \(\lambda \)								
13. Are all gates and doors locked when not in by RHWM?								
14. Are the required warning signs posted at the entrances and other locations outside the in sufficient numbers to assure their visibilities from all approaches?	facility	V						
15. Are warning signs legible from 25 ft?		/						

pervisor Reviewed this inspection form (signature)

Expiration Date: 3/15/09

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No.	Area	Date	Action Needed	(if applicable)	Repairs	Corrected	lni
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