

CERTIFICATE OF DISPOSITION OF MATERIALS

(All items MUST be completed, please print)

LICENSEE NAME AND ADDRESS

Department of the Navy
Naval Ship Weapon Systems Engineering Station
Code 4510 (New Code 4W10)
Port Hueneme, CA 93043

LICENSE NUMBER

04-19816-01

LICENSE EXPIRATION DATE

31 AUGUST 1986

THE LICENSEE OR ANY INDIVIDUAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE LICENSEE CERTIFIES THAT: (Check and/or complete the appropriate item(s) below.)

A. MATERIALS DATA (Check one and complete, as necessary)

- ☐ 1. NO MATERIALS HAVE EVER BEEN POSSESSED OR PROCURED BY THE LICENSEE UNDER THIS LICENSE.
- OR
- ☐ 2. ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSEE UNDER THE LICENSE NUMBER CITED ABOVE HAVE BEEN TRANSFERRED ON

DATE

TO

WHICH HAS NRC LICENSE NUMBER

OR

- ☒ 3. ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSEE UNDER THE LICENSE NUMBER CITED ABOVE HAVE BEEN TRANSFERRED ON

DATE

TO

Science Applications, INC 10477 Roselle St. San Diego, CA 92121

14 March 1985

WHICH HAS LICENSE NUMBER

2290-59 Amendment 10

ISSUED BY THE STATE OF

CALIFORNIA

AN AGREEMENT STATE PURSUANT TO SECTION 274 OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED, AND THE ENERGY REORGANIZATION ACT OF 1974.

OR

- ☐ 4. MATERIALS HAVE BEEN DISPOSED OF IN THE FOLLOWING MANNER: (Describe specific disposal procedures—if additional space is needed, use the reverse of this form, or provide attachments)

B. OTHER DATA

- ☒ 1. OUR LICENSE HAS NOT YET EXPIRED; PLEASE TERMINATE IT.
- ☐ 2. WAS A RADIATION SURVEY CONDUCTED TO CONFIRM THE ABSENCE OF LICENSED RADIOACTIVE MATERIALS AND TO DETERMINE WHETHER ANY CONTAMINATION REMAINS ON THE PREMISES COVERED BY THE LICENSE? (Check one)
- ☐ NO
- ☒ YES, THE RESULTS (Check one)
- ☒ ARE ATTACHED, OR
- ☐ WERE FORWARDED TO NRC ON (Date)

3. THE PERSON TO BE CONTACTED REGARDING THE INFORMATION PROVIDED ON THIS FORM

NAME

A. LEHMBERG NSWSES Code 4W33

TELEPHONE NUMBER

805-982-5906

4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO
NSWSES Code 4W33, Port Hueneme, CA 93043

8507180212 850705

REG5 LIC30

04-19816-01

PDR

RETURN TO:

DIRECTOR, DIVISION OF FUEL CYCLE AND MATERIAL SAFETY
OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555

CERTIFYING OFFICIAL

SIGNATURE

DATE

PRINTED NAME AND TITLE

I. T. PULLEN, Manager
TARTAR Systems Department

5-9-85

Encl: (1)

RADIATION SURVEY REPORT
 NOSC-SD 5100/22 (7-82)

DATE 14 MAR 85	REPORT NUMBER	MONITORED BY R. STOCK	LOCATION BLDG 27
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DESCRIPTION

NEUTRON SOURCE STORAGE ROOM

TIME	OBJECT OR AREA MONITORED	DISTANCE	INSTRUMENT USED & SERIAL NUMBER	m Rad/hr	CPM	RADIATION DETECTED/ISOTOPE
0900	FLOOR	1/8"	AN/PDR-56E		160	
	WALL, WEST	1/8"	SER. NO. E0486		80	
	WALL, EAST	1/8"	NEXT CAL. DATE 7/8/85		100	
	WALL, NORTH	1/8"			60	
	WALL, SOUTH	1/8"			120	
	BACKGROUND	1 METER			160	

WORKING PROCEDURES: CONTAMINATION SURVEY (cpm)

Working surfaces and floor areas are smear tested for removable radioactive contamination in a random fashion. An area of approximately 100 cm² is covered by each smear. Results are reported as counts per minute corrected for background on the sketch below.

Area Radiation Survey (mREM/hr - m Rad/hr) Radiation dose rates are measured at work areas and storage areas. The readings are reported as millirems per hour or millirad per hour on the sketch. Except where noted readings are for gamma radiation and are made at waist level. Known sources of external radiation are noted on the sketch.

NOTE: A sketch of the area may be included on the back of this form. If problems are noted, the user must initial the form when the problems are corrected and send a copy to the Occupational Safety and Health Office.

CORRECTIVE ACTIONS

The following recommendations were made by the surveyor at the time of survey:

<u>A. POSTING AND LABELING</u>		<u>CORRECTED</u>	<u>DATE</u>	<u>B. STANDARD SAFETY PROCEDURES</u>		<u>CORRECTED</u>	<u>DATE</u>
<input type="checkbox"/>	Mark containers: "Caution-Radioactive Material".			<input type="checkbox"/>	Use remote pipetting techniques, refrain from mouth pipetting of radioisotopes.		
<input type="checkbox"/>	Label storage areas, refrigerators, and freezers: "Caution - Radio-Active Material".			<input type="checkbox"/>	Cover work area with absorbent protective materials.		
<input type="checkbox"/>	List isotope(s) activity and date measured on signs and container labels.			<input type="checkbox"/>	Place glass bottles containing radioisotopes in a tray or secondary container to prevent spills.		
<input type="checkbox"/>	Post contaminated area with a sign: "Contaminated Area".			<input type="checkbox"/>	Wear gloves, lab coats, or protective clothing.		
<input type="checkbox"/>	Post room with "Caution-Radioactive Material" sign.			<input type="checkbox"/>	Restrict potential aerosol producing work to fume hoods or glove boxes.		
<input type="checkbox"/>	Areas greater than 5 mREM/hr (see sketch) post with "Caution-Radiation Area" sign or "High Radiation" area.			<input type="checkbox"/>	Smoke, eat, or drink only in areas free from radioactive materials.		
<input type="checkbox"/>	Excessive external radiation source requires improved shielding. Contact Radiation Safety for assistance or advice.			<input type="checkbox"/>	Wear film badges or suitable personnel monitors.		
<u>C. DECONTAMINATION INSTRUCTIONS</u>				<input type="checkbox"/>	Separate radioactive waste from non-radioactive trash and dispose of in accordance with Ionizing Radiation Control Manual NOSCINST 5100.2A.		
<input type="checkbox"/>	Decontaminate the areas noted on sketch using procedures outlined by the Radiation Safety Office.			<input type="checkbox"/>	Maintain up-to-date records of disposals of radioactive waste on forms provided on (or near) the waste container.		
<input type="checkbox"/>	Shoe covers should be obtained and worn until area is free from removable contamination.			<input type="checkbox"/>	Notify RSO in case of room changes and other alterations in use of Radioactive materials.		
<input type="checkbox"/>	Due to the widespread high level contamination, the area has been posted as a "Contaminated Area". Access is restricted until decontamination is completed.			<input type="checkbox"/>	Segregate long half life waste from short half life waste.		
<input type="checkbox"/>	Call RSO when decontamination has been completed.			<input type="checkbox"/>	The IRCC/NRC license has not approved radioactive material use: in this area, at this time, by the user, and/or with this isotope.		
<input type="checkbox"/>	Additional recommendations and suggestions:			<input type="checkbox"/>	Additional training is required by the users.		
				<input type="checkbox"/>	Radioactive materials have not been secured against theft or loss.		
				<input type="checkbox"/>	An inventory of radioactive material does not exist.		

LEAK TEST CERTIFICATE

SOURCE DATA

Source Manufacturer Amersham
Source Model Number CUN-4
Source Serial Number 1684NC
Isotope Cf-252
Activity (mCi) 0.84 mCi
Date of Test March 15 1985
Test Performed by Vic Varkhinski

TEST DATA

Radiations Counted α
Detector Efficiency 25%
Minimum Detectable Activity 9 pCi
Sample Count Rate 4cpm
Sample Activity < 10 pCi

N.B. 5nCi or 11,000 dpm is classified as a leaking source

The source was ☐ leaking ☒ not leaking

3/15/85

Date

Science Applications, Inc.
Instrumentation/Experimental Programs Department
10401 Roselle Street, San Diego, California 92121

David C Shere

Health Physicist
Signature

18979

Encl (3)