

EXPERT SYSTEM LICENSE EVALUATION  
REPORT FOR LICENSE SNM-00379

NAME OF LICENSEE: DEPARTMENT OF THE NAVY, BUREAU OF SHIPS  
LISTED SITE: SAN FRANCISCO NAVAL SHIPYARD, SAN FRANCISCO, CALIFORNIA 94135  
--- TYPE OF ACTIVITY OR FACILITY: MILITARY-NONREACTOR

----- MATERIALS INFORMATION FOR THIS LICENSE -----

-----  
--Information on type and form of materials--  
--Authorized Material-- --Form Authorized--

PU-239 SEALED SOURCE

Sealed source(s)

AMOUNT OR ACTIVITY OF THOSE MATERIALS CONTRIBUTING TO INITIAL SCORE:  
---Material-- -SLD/LOOSE-- POSS. LIMIT Unit -Score\*

PU-239 SEALED SOURCE SEALED .00002600 GM NOT AVAIL OR 0

NOTES ON MATERIALS AND POSSESSION LIMITS

For sealed sources, the score given above is the score ONLY FOR THAT MATERIAL.  
The OVERALL SEALED SCORE IS THE sum of individual SEALED SCORES divided by 5.

FINAL DECISION FOR SEALED MATERIALS:  
SEALED SRCS ELIMINATED FROM CONSIDERATION  
Sealed sources were accounted for  
and therefore eliminated from consideration

NO CONCLUSIONS WERE RECORDED DURING THE EVALUATION OF THIS LICENSE

COMMENTS FOR LICENSE EVALUATION

- GENERAL COMMENTS ENTERED BY THE REVIEWER CONCERNING THE EVALUATION -  
-- THE LICENSEE WAS AUTHORIZED TWENTY-SIX MICROGRAMS OF PU-239 AS ALPHA  
-- SOURCES FOR CALIBRATION OF RADIATION DETECTION EQUIPMENT.  
--  
-- THE MATERIAL CONSISTED OF THREE (3) MICROGRAMS OF PU-239 CONTAINED IN  
-- TWENTY SEALED PLANCHETS AND TWENTY-THREE (23) MICROGRAMS OF PU-239  
-- CONTAINED IN FOUR ALPHA SOURCES.  
--  
-- THE CERTIFICATION OF STATUS DATED JULY 3, 1967 INDICATES THAT  
-- MATERIAL HAD BEEN TRANSFERRED TO THE U.S. NAVAL RADIOLOGICAL DEFENSE  
-- LABORATORY (USNRDL). A CLARIFYING LETTER DATED AUGUST 16, 1967  
-- CONTAINED RECEIPTS OF THE TRANSFER OF TWENTY PLANCHETS CONTAINING 3  
-- MICROGRAMS OF PU-239 HAD BEEN RECEIVED BY THE USNRDL UNDER LICENSE  
-- SNM-00035 AND THAT FOUR SOURCES CONTAINING A TOTAL OF 23 MICROGRAMS  
-- OF PU-239 WAS SHIPPED TO EBERLINE INSTRUMENT CORPORATION, SANTA FE,  
-- NEW MEXICO UNDER SNM-00289.

END OF COMMENTS FOR LICENSE EVALUATION

--- EXPERT SYSTEM EVALUATION WAS BASED ON THE ---  
---- FOLLOWING INVENTORY RECORD ----

Docket Number: 70-00415

REGION RESPONSIBLE: V

LICENSEE NAME: DEPARTMENT OF THE NAVY, BUREAU OF SHIPS

STREET ADDRESS: (NOT SPECIFIED) City: WASHINGTON

FIPS state code (principal operation): CA

Site used: SAN FRANCISCO NAVAL SHIPYARD, SAN FRANCISCO, CALIFORNIA 94135

Disposition information present: CERTIFICATE AND LETTER

Contents of letter:

23 MICROGRAMS OF PU-239 IN FOUR STANDARDS TO EBERLINE CO. IN N. MEXICO

Matl. Transfrd to: U.S. NAVAL RADIOLOGICAL DEFENSE LAB

License to which transferred: SNM-00035

This license was listed as expired on 06/30/67

A P P L I C A T I O N I N F O R M A T I O N

There WAS a licensee application contained in the file

The application had some information on waste disposal practices.

The application contained some information on material use.

GENERAL INVENTORY RECORD COMMENTS:

PU-239 ALPHA SOURCES FOR CALIBRATING RADIATION INSTRUMENTS.

JOB NUMBER: 1710 BOX NUMBER: 07

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COMMENTS ON INVENTORY ENTRY FOR SNM-00379

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CERTIFICATION OF STATUS DATED JULY 3, 1967 INDICATES THAT MATERIAL HAD BEEN TRANSFERRED TO U.S. NAVAL RADIOLOGICAL DEFENSE LABORATORY UNDER SNM-00035. THIS QUANTITY OF MATERIAL TRANSFERRED WAS TWENTY STANDARDS CONTAINING A TOTAL OF MICROGRAMS OF PU-239.

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Date of last evaluation or revision: 06/10/94

UNITED STATES  
ATOMIC ENERGY COMMISSION

**SPECIAL NUCLEAR MATERIAL LICENSE**

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 70, "Special Nuclear Material Regulations," a license is hereby issued authorizing the licensee to receive and possess the special nuclear material designated below; to use such special nuclear material for the purpose(s) and at the place(s) designated below; and to transfer such material to persons authorized to receive it in accordance with the regulations in said Part. This license shall be deemed to contain the conditions specified in Section 70.32(a) of said regulations, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

Licensee		3. License No.
1. Name <b>Department of the Navy Bureau of Ships</b>		<b>SNM-379</b>
2. Address <b>Washington 25, D. C.</b>		4. Expiration Date <b>June 30, 1961</b>
		5. Docket No. <b>70-415</b>
6. Special Nuclear Material <b>Plutonium</b>	7. Maximum quantity of special nuclear material which licensee may possess at any one time under this license <b>up to 3 micrograms of Plutonium 239 as contained in sealed planchets.</b>	
8. Authorized use	<b>For use in accordance with the procedures described in the licensee's application accompanying your letter dated June 3, 1960.</b>	
9. Quantity of special nuclear material allocated to licensee pursuant to Section 70.31(b) of said part	<b>None</b>	

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.

Authorized place of use: **Department of the Navy  
San Francisco Naval Shipyard  
San Francisco 24, California**

For the U. S. ATOMIC ENERGY COMMISSION

**J. C. Delaney**

**Division of Licensing and Regulation**

Date of issuance \_\_\_\_\_



DOCKET NO. 70-415  
DEPARTMENT OF THE NAVY  
BUREAU OF SHIPS  
WASHINGTON 25, D. C.

70-415  
*File by*  
IN REPLY REFER TO  
10330/2  
Ser 341-237

**3-JUN 1960**

Mr. J. Delaney  
Licensing Branch  
Division of Licensing and Regulation  
U. S. Atomic Energy Commission  
Washington 25, D. C.

Dear Mr. Delaney:

During a recent AEC inspection of the San Francisco Naval Shipyard, the inspector reported a violation of Section 70.3 in that the Shipyard possessed 20 planchets of Plutonium 239, totalling 0.15 microcuries of radioactivity without a valid AEC license. In order to correct this situation, the Shipyard has submitted an application for a license, which we have reviewed and are forwarding to you for consideration.

An early resolution of this matter will be appreciated.

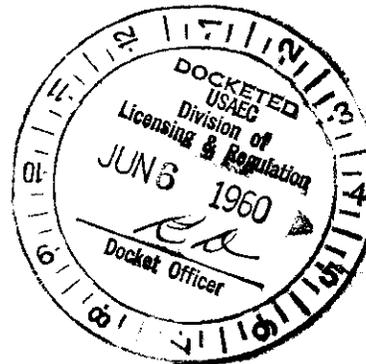
Sincerely yours,

VINCENT F. SAITTA  
Technical Director  
Physics and Oceanography Branch  
Applied Sciences Division  
By direction of Chief,  
Bureau of Ships

Encl:  
(1) Completed Form AEC-313  
(3 copies)

Copy to:  
AEC (Isotopes Branch)

*By this request  
sent inspection  
6-10-60*



*\*No copy of this ltr. sent to P. Doc. Rm. PD 6/7/60*

Form AEC-313  
(5-58)

ATOMIC ENERGY COMMISSION

APPLICATION FOR BYPRODUCT MATERIAL LICENSE

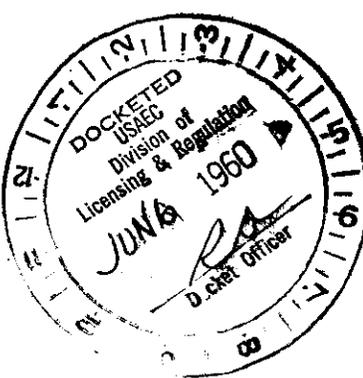
Form approved *JTB*  
Budget Bureau No. 38-8027-7

INSTRUCTIONS.—Complete Items 1 through 16 if this is an initial application. If application is for renewal of a license, complete only Items 1 through 7 and indicate new information or changes in the program as requested in Items 8 through 15. Use supplemental sheets where necessary. Item 16 must be completed on all applications. Mail three copies to: U. S. Atomic Energy Commission, Washington 25, D. C. Attention: Isotopes Branch, Division of Licensing and Regulation. Upon approval of this application, the applicant will receive an AEC Byproduct Material License. An AEC Byproduct Material License is issued in accordance with the general requirements contained in Title 10, Code of Federal Regulations, Part 30 and the Licensee is subject to Title 10, Code of Federal Regulations, Part 20.

<p>1. (a) NAME AND STREET ADDRESS OF APPLICANT. (Institution, firm, hospital, person, etc.)</p> <p>Department of the Navy San Francisco Naval Shipyard San Francisco 24, California</p>	<p>(b) STREET ADDRESS(ES) AT WHICH BYPRODUCT MATERIAL WILL BE USED. (If different from 1 (a).)</p>
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<p>2. DEPARTMENT TO USE BYPRODUCT MATERIAL</p> <p>Production Department</p>	<p>3. PREVIOUS LICENSE NUMBER(S). (If this is an application for renewal of a license, please indicate and give number.)</p> <p>None</p>
---	--

<p>4. INDIVIDUAL USER(S). (Name and title of individual(s) who will use or directly supervise use of byproduct material. Give training and experience in Items 8 and 9.)</p> <p>J. H. TERRY, CAPT. USN Production Officer</p>	<p>5. RADIATION PROTECTION OFFICER (Name of person designated as radiation protection officer if other than individual user. Attach resume of his training and experience as in Items 8 and 9.)</p> <p>See attached sheets</p>
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<p>6. (a) BYPRODUCT MATERIAL. (Elements and mass number of each.)</p> <p>A. Plutonium 239</p>	<p>(b) CHEMICAL AND/OR PHYSICAL FORM AND MAXIMUM NUMBER OF MILLICURIES OF EACH CHEMICAL AND/OR PHYSICAL FORM THAT YOU WILL POSSESS AT ANY ONE TIME. (If sealed source(s), also state name of manufacturer, model number, number of sources and maximum activity per source.)</p> <p>20 Planchets, 0.15 microcuries approx., total radioactivity</p> 
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7. DESCRIBE PURPOSE FOR WHICH BYPRODUCT MATERIAL WILL BE USED. (If byproduct material is for "human use," supplement A (Form AEC-313a) must be completed in lieu of this item. If byproduct material is in the form of a sealed source, include the make and model number of the storage container and/or device in which the source will be stored and/or used.)

A. Used for checking ALPHA detection function of radiation detection equipment.

Encl *1* to BUSHIPS  
Ser *541-237*

**TRAINING AND EXPERIENCE OF EACH INDIVIDUAL NAMED IN ITEM 4** (Use supplemental sheets if necessary)

8. TYPE OF TRAINING	WHERE TRAINED	DURATION OF TRAINING	ON THE JOB (Circle answer)	FORMAL COURSE (Circle answer)
a. Principles and practices of radiation protection	See attached sheets		Yes No	Yes No
b. Radioactivity measurement standardization and monitoring techniques and instruments			Yes No	Yes No
c. Mathematics and calculations basic to the use and measurement of radioactivity			Yes No	Yes No
d. Biological effects of radiation			Yes No	Yes No

**9. EXPERIENCE WITH RADIATION.** (Actual use of radioisotopes or equivalent experience.)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
See attached sheets				

**10. RADIATION DETECTION INSTRUMENTS.** (Use supplemental sheets if necessary.)

TYPE OF INSTRUMENTS (Include make and model number of each)	NUMBER AVAILABLE	RADIATION DETECTED	SENSITIVITY RANGE (mr/hr)	WINDOW THICKNESS (mg/cm <sup>2</sup> )	USE (Monitoring, surveying, measuring)
See attached sheets					

**11. METHOD, FREQUENCY, AND STANDARDS USED IN CALIBRATING INSTRUMENTS LISTED ABOVE.**

**12. FILM BADGES, DOSIMETERS, AND BIO-ASSAY PROCEDURES USED.** (For film badges, specify method of calibrating and processing, or name of supplier.)

**INFORMATION TO BE SUBMITTED ON ADDITIONAL SHEETS**

**13. FACILITIES AND EQUIPMENT.** Describe laboratory facilities and remote handling equipment, storage containers, shielding, fume hoods, etc. Explanatory sketch of facility is attached. (Circle answer) Yes No

**14. RADIATION PROTECTION PROGRAM.** Describe the radiation protection program including control measures. If application covers sealed sources, submit leak testing procedures where applicable, name, training, and experience of person to perform leak tests, and arrangements for performing initial radiation survey, servicing, maintenance and repair of the source.

**15. WASTE DISPOSAL.** If a commercial waste disposal service is employed, specify name of company. Otherwise, submit detailed description of methods which will be used for disposing of radioactive wastes and estimates of the type and amount of activity involved.

**CERTIFICATE (This item must be completed by applicant)**

**16. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE APPLICANT NAMED IN ITEM 1, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PART 30, AND THAT ALL INFORMATION CONTAINED HEREIN, INCLUDING ANY SUPPLEMENTS ATTACHED HERETO, IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF.**

Date 9 MAY 1960

San Francisco Naval Shipyard  
 Applicant named in item  
*J. H. Terry*  
**J. H. TERRY**  
 Production Officer  
 Title of certifying official

**WARNING.**—18 U. S. C., Section 1001; Act of June 25, 1948; 62 Stat. 749; makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

APPLICATION FOR BYPRODUCT MATERIAL LICENSE, Continued

70.22(3). Period of time: The license is requested for one year and renewal, year by year, is anticipated.

(4). Name of material: Given on Form 313.

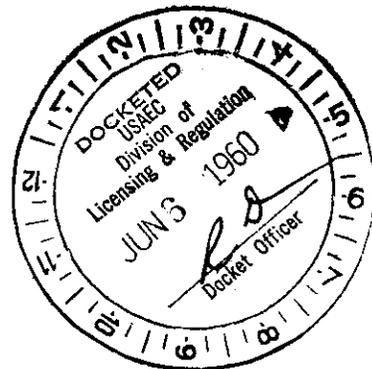
(5)(1). Date of desired receipt: Material already on hand.  
Subsequent receipts: None anticipated at this date.

(ii). Schedule of production, consumption, and loss: No change anticipated.

(iii). Schedule of transfer. No transfer anticipated.

(6). Technical qualifications of personnel: See attached sheets.

(7). Description of protective devices: See attached sheets.  
Proposed protective procedures: See attached sheets.



DOCKET NO. 70-415  
File 4

20 PLANCHETS OF PLUTONIUM 239

APPROXIMATELY 0.15 MICROCURIES OF RADIOACTIVITY

- A. The following person is directly responsible for the use of the above radioactive material:

Mr. Charles E. Campbell, Leadingman Electronics Mechanic.

See attached sheet for statement of Mr. Campbell's training and experience.

- B. The following persons are directly responsible for the overall radiation protection program of the Shipyard in connection with industrial radiological hazards:

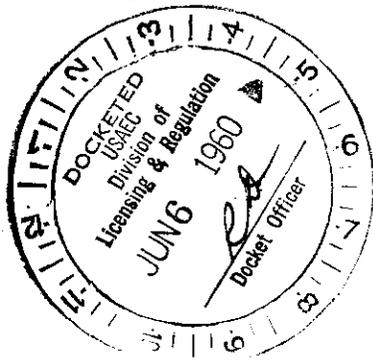
Capt. W. W. Gilbert, MC, USN, Medical Officer  
Mr. J. B. McElhiney, Industrial Hygienist  
LCDR C. E. Martin, USN, Radiological Safety Officer  
Capt. J. H. Terry, USN, Production Officer

- C. Instructions to personnel. Persons actually engaged in working with radioactive materials are given the following written information and instructions, are required to read the information and to satisfy the supervisor that the instructions are understood.

(1) Hazards. Employees are hereby cautioned and warned that excessive exposure to radioactivity is harmful to health. Protection against radioactive hazards consists in general of limiting the exposure, and confinement of the radioactivity material in a safe manner. The amount of radioactivity to which Shipyard employees may be exposed is set forth in Shipyard Instruction 9900.1A and further, surveillance of the individual by the Medical Department.

(a) Medical examination. Each person, prior to exposure to ionizing radiation must receive a medical examination and clearance. Persons who regularly work with radioactive materials must undergo periodic follow-up medical examinations.

(b) Film badges and dosimeters. Every person who may become exposed to radioactivity must wear a film badge and carry two pocket dosimeters.



- (c) Cumulative dose. Pocket dosimeters shall be read daily and the readings recorded daily in a permanent log book. Film badges shall be delivered to the Medical Department for determination of exposure. Whenever the cumulative dose of a person reaches 100 mr in any one week the Medical Department will be consulted by the supervisor for verification of the dose by film badge determinations, and instructions relative to removing the person from further exposure and for what length of time.
- (d) No smoking, eating, drinking or chewing of any kind is permitted in any area in which there is radiation.
- D. Instructions to personnel concerning the safe operation of radiographic devices.
- (2) The plutonium planchets shall be kept in the safe at all times when not actually in use. In use, the planchets shall be removed from the container with forceps and laid on the surface over which the instrument under repair shall be placed for checking. Handling the planchets with bare hands is forbidden. Immediately after use the planchets shall be returned to their container and the container returned to the safe.
- E. Instructions for use of radiation survey equipment.
- (3) Survey equipment. Calibrated and operable survey equipment shall be on hand in the radiac repair room to make surveys, and for final checking at the end of the work period that no radioactivity is present due to unshielded sources or alpha sources that may have been left out of the safe.
- F. Instructions for restricting radiographic areas.
- (4) Radiac repair facility. The radiac repair facility is located in Building 351A. The doors of the radiac facility are locked at all times, being unlocked only when authorized persons are entering or leaving. The radiac repair facility occupies an inner portion of the building and is completely surrounded by a corridor. Building 351A is a security classified area and is under police surveillance 24 hours per day. Employees in the radiac repair facility are instructed to admit any person only upon instructions from the main office of the Electronics Shop or upon instructions from Mr. Campbell or Mr. Campbell's superior in Mr. Campbell's absence. The radiac repair facility is posted with radioactive caution and warning signs.

G. Instructions for use of personnel monitoring equipment.

- (5) Personnel monitoring. Employees assigned to work in the radiac repair facility shall, at the beginning of each work period, obtain their film badges and pocket dosimeters at Building 351A. The film badges and pocket dosimeters shall be worn on the person at all times while working in the radiac repair facility. At the conclusion of the work period the film badges and pocket dosimeters shall be surrendered, the dosimeters read and readings recorded in the log book.

H. Instructions for transporting sources to field locations.

- (6) Plutonium planchets are NOT to be removed from the radiac repair facility.

I. Instructions concerning security of sources during storage.

- (7) Safes and locks. The Plutonium planchets must be kept in the safe at all times except when actually in use. The lock-up procedure at the end of the working day includes checking that the safe is locked, checking that all doors to the radiac repair facility are locked, and delivery of the radiac facility door key to the key cabinet of the Electronics Shop. In accordance with Shipyard security instructions, all keys to locks within the building are kept in a locked key cabinet, and the key to the main outside entrance door and the key to the key cabinet are delivered to the Police Headquarters for custody. Only those persons authorized in writing and whose names are on file in the Police Headquarters can obtain building keys for opening the building in the morning or during off hours.

J. Emergency procedures.

- (8) Accident with plutonium planchets. Strict adherence to the foregoing instructions are expected to prevent any accidental spillage of plutonium from the sealed planchets. In the event that an accident should occur, the supervisor shall be notified immediately. No person shall leave the facility until the damage is determined, any spillage cleaned up and every person found to be free of contamination.

K. Removal and exchange of sealed sources.

- (9) Alteration to or change of any kind to the plutonium planchets is forbidden.

DML:MD  
70-415

DISTRIBUTION:  
Document Room  
Subject File  
Compliance, Region II  
Branch Reading File  
Division Reading File

Department of the Navy  
Naval Electronic Systems Command  
Baileys Crossroads, Virginia 22401

Attention: Mr. M. G. Williams

Your reference: ELEX-0516  
9900  
Ser 330

AUG 24 1967

Gentlemen:

Thank you for your letter of August 16, 1967, advising us of the disposition of the Special Nuclear Material covered under License SNM-379. Since this license expired on June 30, 1967, there is no necessity that it be terminated.

Very truly yours,

Donald A. Nussbaumer, Chief  
Source & Special Nuclear Materials  
Branch  
Division of Materials Licensing

OFFICE ▶	DML	DML				
SURNAME ▶	NDoulos:jf	DANussbaumer				
DATE ▶	8/23/67	8/24/67				



DEPARTMENT OF THE NAVY  
NAVAL ELECTRONIC SYSTEMS COMMAND  
BAILEYS CROSSROADS, VIRGINIA 22041

IN REPLY REFER TO

ELEX-0516  
9900  
Ser 198  
3 July 1967

From: Commander, Naval Electronic Systems Command  
To: Chief  
Source and Special Nuclear Materials Branch  
Division of Materials Licensing  
U. S. Atomic Energy Commission  
Washington, D. C. 20545

Subj: Special Nuclear Material License No. SNM-379

Ref: (a) U. S. Atomic Energy Commission letter DML:ND 70-415 of 27  
April 1967  
Regulatory Suppl File Cy.

Encl: (1) Certification of Status of Special Nuclear Material  
Activities under USAEC License #SNM-379

1. Four completed copies of the status report, enclosure (1),  
on material under subject license are submitted as requested by  
reference (a).

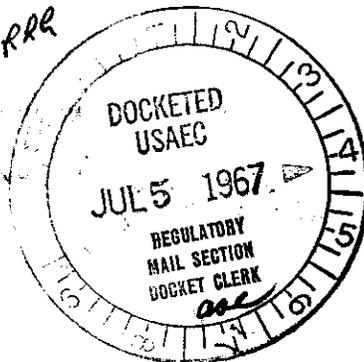
Copy to:  
NRDL, SFRAN

*M. G. Williams*

M. G. WILLIAMS  
By direction

*Copies to Donlonis  
7/10/67*

*COMP 7/16/67-RRR*



APR 27 1967

CERTIFICATION OF STATUS OF SPECIAL NUCLEAR MATERIAL ACTIVITIES UNDER  
UNITED STATES ATOMIC ENERGY COMMISSION

LICENSE NUMBER SNM- 379

LICENSEE: Department of the Navy  
Commander, Naval Electronic Systems Command  
ADDRESS: Washington, D. C. 20360

The licensee and any individual executing this certification on behalf of the licensee certify that (check appropriate item(s) below):

No special nuclear materials have been procured and/or possessed by licensee.

All special nuclear materials procured and/or possessed by licensee under Special Nuclear Material License No. SNM-379 have:

(1) been or will be prior to expiration of the above license transferred to U. S. Naval Radiological Defense Laboratory  
(Institution, firm, hospital, person, etc.)

which has Special Nuclear Material License No. SNM- 35

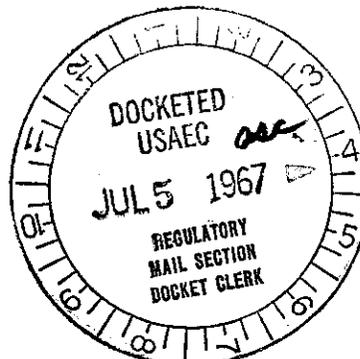
(2) been or will be disposed of in compliance with 10 CFR 20 prior to expiration of this license.

*M. G. Williams*

M. G. WILLIAMS, Branch Head, Nucleonics Branch  
Certifying Official

Date: 3 July 1967

Please return 4 copies to:  
U. S. Atomic Energy Commission  
Division of Materials Licensing  
Washington, D. C. 20545



2205



DEPARTMENT OF THE NAVY  
NAVAL ELECTRONIC SYSTEMS COMMAND  
BAILEYS CROSSROADS, VIRGINIA 22041

IN REPLY REFER TO

ELEX-0516  
9900  
Ser 330  
16 AUG 1967

From: Commander, Naval Electronic Systems Command  
To: Chief  
Source and Special Nuclear Materials Branch  
Division of Materials Licensing  
U. S. Atomic Energy Commission  
Washington, D. C. 20545

Docket No. 70-415  
Task No. 701  
Docketed 8-17-67 JFR

Subj: Special Nuclear Material License No SNM-379

Ref: (a) NAVELEX letter Ser 198 of 3 July 1967

Encl: (1) Copy of NAVSHIPYD, SFRAN BAY letter 10330(108) of 7 AUG 1967 with enclosures attached  
(2) Copy of USNRDL's letter 730 ALS of 3 July 1967

1. Certification of status of Special Nuclear Material under subject license was submitted by reference (a).

2. Disposition of the Plutonium Alpha Sources prior to the expiration date of 30 June 1967, authorized under the Special Nuclear Material License No. SNM-379, is covered by enclosures (1) and (2).

3. This material has been reviewed and includes:

a. Transfer forms, attached to enclosure (1), indicate sources have been transferred and received by Eberline Instrument Corporation under license No. SNM-289 and U. S. Naval Radiological Defense Laboratory under license No. SNM-35 respectively.

b. The material transferred to U. S. Naval Radiological Defense Laboratory has been disposed of as radioactive waste, see enclosure (2).

Copy to:  
NAVSHIPYD, SFRAN BAY  
USNRDL, SFRAN  
BUMED(Code 74)

*M. G. Williams*

M. G. WILLIAMS  
By direction

*Copy To Compliance  
8/21/67*

2736



SAN FRANCISCO BAY NAVAL SHIPYARD  
VALLEJO, CALIFORNIA 94592

IN REPLY REFER TO:  
10330  
108

AUG -7 1967

From: Commander, San Francisco Bay Naval Shipyard  
To: Commander, Naval Electronics Systems Command (Code 0516)

Subj: Special Nuclear Material License No. SNM-379; request for  
termination of

Encl: (1) Copy of receipted SS Material Transfer Form AEC-388, No. 00001  
(2) Receipted copy of Acceptable Radioactive Material Transfer  
Record, 12ND MINS 1373

1. All sources possessed under the subject license have been transferred to other agencies. Four sources were returned to the manufacturer, Eberline Instruments Corporation, by means of enclosure (1), for additional testing, appropriate labeling, and return, in order to permit possession under general license provisions of Section 70.19. The remaining twenty sources were returned to the original manufacturer, the U. S. Naval Radiological Defense Laboratory, by means of enclosure (2) for permanent custody.

2. The need for AEC Special Nuclear Material License SNM-379 no longer exists; therefore, it is requested that this license, issued to the Department of the Navy, Bureau of Ships, for use at the former San Francisco Naval Shipyard, be terminated.

Copy to:  
NAVELEXSYSCOM (Code 0516)

J. H. MC QUILKIN

ENCLOSURE (1) TO NESC SER 0516-330

2736

U. S. NAVAL RADIOLOGICAL DEFENSE LABORATORY  
SAN FRANCISCO, CALIFORNIA 94135

IN REPLY REFER TO:

730  
ALS  
3 July 1967

Recd. - 7/6/67

Mr. George Mahaffey  
Code 05163  
Munitions Bldg., Rm 4713  
U.S. Naval Electronic Systems Command  
Washington, D.C., 20360

Dear George:

As requested by your phone call of 27 June 1967, the following information is supplied:

Twenty counting standards containing a total of three micrograms of Plutonium-239 were received by NRDL from the San Francisco Bay Naval Shipyard's Special Nuclear Material License (SNM-379), and disposed of as radioactive waste on 16 Jan. 1967.

Very Truly Yours,

*A.L. Smith*  
A.L. Smith  
Head, Health Physics Div.

ENCLOSURE (2) TO NESC SER 0516-330

2736