FORM AEC-374A
(2-65)

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE
Supplementary Sheet

License Number 04-13432-01

Amendment No. 01

Department of the Navy
NRDL Disestablishment Group
San Francisco Bay Naval Shipyard
San Francisco, California 94130

License Number 04-13432-01 is hereby terminated.

For the U. S. Atomic Energy Commission

Isotopes Branch

by

Division of Materials Licensing
Washington, D. C. 20545

Date FEB 3 1970

FORM AEC-374
(7-66)
10 CFR 30

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Parts 30, 32, 33, 34, and 35, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer and import byproduct material listed below; and to use such byproduct material for the purpose(s) and at the place(s) designated below. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, 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	
1. Department of the Navy NRDL Disestablishment Group	3. License number 04-13488-01
2. San Francisco Bay Naval Shipyard San Francisco, California 94130	4. Expiration date October 31, 1970
	5. Reference No.

6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioactivity which licensee may possess at any one time
A. Any byproduct material with Atomic Nos. 3-82, inclusive	A. Any form as residual contamination in NRDL Buildings	A. 100 millicuries
B. Hydrogen 3	B. Any form as residual contamination in NRDL Buildings	B. 10 millicuries
C. Any byproduct material with Atomic Nos. 1-82, inclusive	C. Any form as contained in packages	C. 10 millicuries
D. Hydrogen 3	D. Any	D. 1 microcurie
E. Protactinium 234	E. Any	E. 0.01 microcurie
F. Americium 241	F. Any	F. 0.01 microcurie

9. Authorized use

A., B., and C. Decontamination of buildings, packaging, and storage pending disposal.

D., E., and F. Equipment calibration standards.

FORM AEC-374A
(2-65)

U. S. ATOMIC ENERGY COMMISSION

BYPRODUCT MATERIAL LICENSE

Supplementary Sheet

License Number 04-13488-01

CONDITIONS

10. Byproduct material may only be used at the licensee's address stated in Item 2 above.

11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 20, "Standards for Protection Against Radiation."

12. Byproduct material shall be used by, or under the supervision of, Eugene Tochilin.

13. Except as specifically provided otherwise by this license, the licensee shall possess and use byproduct material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated October 27, 1969.

For the U. S. Atomic Energy Commission
Original Signed by
Nathan Bassin
by Isotopes Branch

Date OCT 28 1969

Division of Materials Licensing
Washington, D. C. 20545

5

5900
Ser 7 - 0516
15 JAN 1970

FIRST ENDORSEMENT ON NAVSHIPYD SFRAN BAY LETTER R200-59 OF 2 JAN 1970

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

Subj: AEC Byproduct Material License No. 04-13488-01

Ref: (a) FONECON between Mr. Mahaffey, NAVELEX HQ and Mr. Tochilin, NRDL Disestablishment Group on 6 January 1970

Encl: (1) NRDL Report "Health Physics Activities in Connection with the Disestablishment of NRDL: Disposal of Radioactive Material and Termination of AEC Licenses" of 31 DEC 1969

1. Basic letter contains a request to terminate subject license.

2. Enclosure (1) is a report prepared by the NRDL Disestablishment Group at the Shipyard. The report is being forwarded as supplemental information since it covers areas on cleanup, disposal of radioactive waste, and clearance levels as discussed during the telephone conversation, reference (a).

C. S. HOLLANDER
By direction

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

ELEX 051 reading file

MAHAFFEY/mitchell
61457 - 1/15/70
Serial 0109-004-70

SAN FRANCISCO BAY NAVAL SHIPYARD
SAN FRANCISCO, CALIFORNIA 94135

IN REPLY REFER TO:
R200-59
8071

2 JAN 1970

From: Commander, San Francisco Bay Naval Shipyard
To: Chief, Division of Material Licensing,
U.S. Atomic Energy Commission
Via: Commander, Naval Electronic Systems Command (ELEX 05163)

Rec'd: 1/12/70 (*)

Subj: Termination of AEC ~~Source~~ Byproduct Material License held at NRDL

1. Following the disestablishment of NRDL on 3 November 1969 all remaining functions were transferred to the NRDL Disestablishment Group, San Francisco Bay Naval Shipyard, San Francisco, California. Byproduct Material License 04-13488-01 issued to NRDL on Oct 28, 1969 was retained in the transfer. This license covered any form of residual contamination in NRDL buildings and any form of biproduct material contained in packages, up to 100 millicuries.

2. On December 30, 1969 the final shipment of biproduct radioactive waste left the laboratory. The Health Physics monitoring crew indicates that there is no measurable activity remaining in Building 815, the only remaining building presently occupied by the NRDL Disestablishment Group.

3. It is requested that NRDL Biproduct Material License 04-13488-01 be terminated at this time.

M.M. EDWARDS, JR
Officer-in-Charge,
NRDL Disestablishment Group
By direction.

(*) forwded to AEC by 1st. end. see 0516-07 with copy of report "Health Physics Activities in Connection with the Disestablishment of NRDL: Disposal of Radioactive Material & Termination of AEC Licenses" of 31 Dec 1969. as supplemental information relevant to

10330/2
Ser 362-482

15 AUG 1961

FIRST ENDORSEMENT ON USNRDL LTR 730-104, WJF:jp of 4 AUG 1961

From: Chief, Bureau of Ships
To: U. S. Atomic Energy Commission
Division of Licensing and Regulation

Subj: Expiration of License # 4-487-7

1. Forwarded.

N. F. Scitta
By Direction

Copy to:
NRDL
BUMED (Code 74)
362B (w/bamat)

Prepared by L. E. Sieffert, X 61652
Typed by Carter, 8/15/61
8100739-61 - controlled

U. S. NAVAL RADIOLOGICAL DEFENSE LABORATORY
SAN FRANCISCO 24, CALIFORNIA

IN REPLY REFER TO FILE:
730-104
WJF:jp

4 AUG 1961

From: Commanding Officer and Director
To: U. S. Atomic Energy Commission (Division of Licensing and Regulation) Washington 25, D. C.
Via: Chief, Bureau of Ships (Code 362)

Subj: Expiration of License #4-487-7

Ref: (a) AEC ltr L&R:IB:37 (4-487-7) of 25 July 1961 to NRDL

Encl: (1) Certification of Status of Radioisotope (Byproduct Material) Program Under United States Atomic Energy Commission Byproduct Material License

1. Enclosure (1) is forwarded in accordance with reference (a) since this Laboratory does not plan to renew its "human-use license" #4-487-7.

2. Approximately 7 mc of tritiated water that was not used under this license is now held under our license #4-487-3.

E. B. ROTH

Copy to: (w/o encl)
BUMED (Code 74)

W A Form 177

CERTIFICATION OF STATUS OF RADIOISOTOPE (Byproduct Material)
PROGRAM UNDER UNITED STATES ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

NO. 4-487-7

LICENSEE U. S. Naval Radiological Defense Laboratory
(Institution, firm, hospital, person, etc.)

ADDRESS San Francisco 24, California

DEPARTMENT(S) Biological and Medical Sciences Division

INDIVIDUAL RADIOISOTOPE USER(S) E. Boling, M. D.

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

_____ No byproduct materials have been procured and/or possessed by licensee.

All byproduct materials procured and/or possessed by licensee under Byproduct Material License No. 4-487-7 have:

X (1) been transferred to U.S. Naval Radiological Defense Laboratory
(Institution, firm, hospital, person, etc.)
which has Byproduct Material License No. 4-487-3
(if known)

_____ (2) been disposed of by decay.

_____ (3) been disposed of in compliance with 10-CFR-20.

A. L. BAIETTI

8100739-61

CERTIFYING OFFICIAL
Chairman, Radioisotope Committee

2 August 1961
DATE

Encl (1) to NRDL ltr 730-104 WJF:jp of

U.S. GOVERNMENT PRINTING OFFICE