

2000-0043

1



RESPONSE TO FREEDOM OF INFORMATION ACT (FOIA) / PRIVACY ACT (PA) REQUEST

RESPONSE TYPE FINAL PARTIAL

DATE **DEC 29 1999**

REQUESTER

Matthew Hubbard

PART I. -- INFORMATION RELEASED

- No additional agency records subject to the request have been located.
- Requested records are available through another public distribution program. See Comments section.
- APPENDICES Agency records subject to the request that are identified in the listed appendices are already available for public inspection and copying at the NRC Public Document Room.
- APPENDICES **A** Agency records subject to the request that are identified in the listed appendices are being made available for public inspection and copying at the NRC Public Document Room.
- Enclosed is information on how you may obtain access to and the charges for copying records located at the NRC Public Document Room, 2120 L Street, NW, Washington, DC.
- APPENDICES **A** Agency records subject to the request are enclosed.
- Records subject to the request that contain information originated by or of interest to another Federal agency have been referred to that agency (see comments section) for a disclosure determination and direct response to you.
- We are continuing to process your request.
- See Comments.

PART I.A -- FEES

AMOUNT *
\$

- You will be billed by NRC for the amount listed.
- None. Minimum fee threshold not met.
- You will receive a refund for the amount listed.
- Fees waived.

* See comments for details

PART I.B -- INFORMATION NOT LOCATED OR WITHHELD FROM DISCLOSURE

- No agency records subject to the request have been located.
- Certain information in the requested records is being withheld from disclosure pursuant to the exemptions described in and for the reasons stated in Part II.
- This determination may be appealed within 30 days by writing to the FOIA/PA Officer, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001. Clearly state on the envelope and in the letter that it is a "FOIA/PA Appeal."

PART I.C COMMENTS (Use attached Comments continuation page if required)

No records were located with regard to either a radioactive waste disposal program by the Military Sea Transportation Service, or the operation of the USNS Golden Eagle. The enclosed records contain information on the Byproduct Materials License held by the Military Sea Transportation Service.

SIGNATURE - FREEDOM OF INFORMATION ACT AND PRIVACY ACT OFFICER

Carol Ann Reed

APPENDIX A
RECORDS BEING RELEASED IN THEIR ENTIRETY
(If copyrighted identify with *)

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)</u>
1	Undated	Retirement record sheet on Military Sea Transportation Service (1 page)
2	Undated	License Evaluation Report for License 04-02904-01 (2 pages)
3	3/29/57	License 4-2901-1 licensing actions (1 page)
4	5/20/54	Authorization for radioisotope procurement and application for radioisotope procurement (4 pages)
5	3/13/57	Application for byproduct material license (4 pages)
6	4/9/57	Ltr to JSackmann fm JHitch re: application for byproduct material license (1 page)
7	4/23/57	Ltr to LMiller, et al. fm JHitch re: application for byproduct material license (2 pages)
8	5/8/57	Memo to AEC fm Dept of Navy re: Application for byproduct material license (1 page)
9	5/29/57	Memo to Commander MSTs fm Commander MSTs/Pacific Area re: application for byproduct material license (2 page)
10	7/30/57	License 4-2901-1 (1 page)

744065

RETIREMENT RECORD

FILE IN:
LICENSE NO:

DATE:

LICENSEE: Military Sea Transportation Service

INSTITUTION _____

ADDRESS _____

CITY San Francisco STATE Calif

AUTHORIZATION FOLDERS RETIRED:

25868

Al

EXPERT SYSTEM LICENSE EVALUATION
REPORT FOR LICENSE 04-029001

NAME OF LICENSEE: DEPARTMENT OF THE NAVY (MILITARY TRANSPORTATION)
LISTED SITE: MILITARY SEA TRANSPORTATION SERVICE, PACIFIC AREA, FORT MASON, SF
TYPE OF ACTIVITY OR FACILITY: MILITARY USE - NONREACTOR

Description of LICENSEE ACTIVITY UNDER THIS LICENSE

USE OF CO-60 IN TRAINING PERSONNEL TO OPERATE DETECTION INSTRUMENTS.

MATERIALS INFORMATION FOR THIS LICENSE

--Information on type and form of materials--

--Authorized Material--

--Form Authorized--

CO-60

Sealed source(s)

AMOUNT OR ACTIVITY OF THOSE MATERIALS CONTRIBUTING TO INITIAL SCORE:

--Material--

-SLD/LOOSE--

ACTIVITY-

**

CO-60

SEALED

0100000

CI

SCORE FOR CO-60 is either 0 or not available

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

SEQUENCE OF RECORDED REASONING

1. There was at least one sealed source on this license for which the amount remaining was reduced according to the length of the half-life

COMMENTS FOR LICENSE EVALUATION

Description of LICENSEE ACTIVITY UNDER THIS LICENSE

USE OF CO-60 IN TRAINING PERSONNEL TO OPERATE DETECTION INSTRUMENTS.

A/2

- GENERAL COMMENTS ENTERED BY THE REVIEWER CONCERNING THE EVALUATION -
- THE LICENSEE WAS AUTHORIZED 10 MILLICURIES OF COBALT 60 AS A SEALED
- SOURCE FOR USE IN TRAINING PERSONNEL IN THE USE OF INSTRUMENTS.

END OF COMMENTS FOR LICENSE EVALUATION

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

REGION RESPONSIBLE: V

LICENSEE NAME: DEPARTMENT OF THE NAVY (MILITARY TRANSPORTATION)

STREET ADDRESS: PACIFIC AREA, FORT MASON City: SAN FRANCISCO

FIPS state code (principal operation): CA

Site used: MILITARY SEA TRANSPORTATION SERVICE, PACIFIC AREA, FORT MASON, SF

Disposition information present: NO DISPOSITION INFORMATION GIVEN

This license was listed as expired on 07/1/59

GENERAL INVENTORY RECORD COMMENTS:

COBALT 60 USED AS A TRAINING TOOL.

JOB NUMBER: 1722 BOX NUMBER: 02

Date of last evaluation or revision: 06/28/94

4821

R L H

Date Received		MAR 29 1957	No. Copies	Application No.	4-2901-1
Company Confidential		Expiration Date	7/31/59	Reference No.	
Isotope	Form	Possession Limit	Use: G60(-); for training of personnel in the use of radiac instruments in radiological defense at ABC defense school ashore, and in annual 1-2 day underway drills aboard MST5 ships,		
G60	sealed source (ORIVL)	10 mc			
Service Irradiation					

Special Conditions: (Circle)	Comments:	Items 7, 8, 10, 15-19
1. A B C	313 filed in RSB folder.	Letters: on routing of application 4/5/57 R L H
2. <input checked="" type="checkbox"/> 11. NOT ALL.	not returned 25868	see form 4/23/57 on routing of application 4/23/57
3.		
4.		
5. A B C		
6.		
7. <input checked="" type="checkbox"/>		
8.		
9.		

New Application	Yes	<input checked="" type="checkbox"/> No	SCHA Review	Yes	<input checked="" type="checkbox"/> No	Childs	
313A Reviewed	Yes	<input checked="" type="checkbox"/> No	Items Reproduced:			Quimby	
313B Reviewed	<input checked="" type="checkbox"/> Yes	No				Brown	
Preceptor Statement	Yes	<input checked="" type="checkbox"/> No	Reviewer	Date	Action	Date	Chief
Instrumentation Checked	<input checked="" type="checkbox"/> Yes	No	R L H	7/21/57	Approve	7-31-57	NOB
Telephone Call	Yes	<input checked="" type="checkbox"/> No			Disapprove		
RSB Files Checked	Yes	<input checked="" type="checkbox"/> No			Cancelled		
RSB Review	Yes	<input checked="" type="checkbox"/> No			Revised		A/B

UNITED STATES ATOMIC ENERGY COMMISSION
AUTHORIZATION FOR RADIOISOTOPE PROCUREMENT

SERIAL NO.
25868

The original of this form is the only approval for procurement and is not transferable. Duplicates are for information and record only.

TO:
Commander Military Sea Transportation Service
Training Branch, IPT
33 Berry Street
San Francisco 7, California
Attn: Messrs. L.C. Miller, J. Sackman, and L. Grosschay

DATE
May 20, 1954

Your application for radioisotopes is approved for the material indicated below, subject to and in accordance with your application and applicable laws and regulations. Issuance of this authorization to obtain and use radioisotopes for the purposes stated hereon and from the supplier(s) indicated is based upon the Atomic Energy Act of 1946, as amended, and regulations issued pursuant thereto. Shipment and use of the materials approved hereon may also be subject to control by other Federal, State, or local authority.

1. ITEM NO.	2. ISOTOPE	3. FORM
	Cobalt 60	As sealed metal source

4. QUANTITY
10 millieuries

5. YOU ARE AUTHORIZED TO USE THIS MATERIAL FOR THE FOLLOWING PURPOSE(S):
To be used as a source for the training of personnel in use of radiaic instruments and in radiological defense at IEC defense schools ashore and in annual 1-2 day under-way drill aboard MSTC ships. To be used as a sealed source for the purpose stated. NOT

6. YOU ARE AUTHORIZED TO OBTAIN THIS MATERIAL FROM THE FOLLOWING SUPPLIER(S):
Oak Ridge National Laboratory
Oak Ridge, Tennessee

THIS AUTHORIZATION EXPIRES September 30, 1955 UNLESS EXTENDED BY THE COMMISSION	FOR THE UNITED STATES ATOMIC ENERGY COMMISSION
	Original signed BY James R. Mason Chief, Isotopes Division, Oak Ridge Operations, Oak Ridge, Tenn. for

SPECIAL INSTRUCTIONS

The original signed copy of this authorization together with two copies has been forwarded to the Commander, MSTC, Washington, D. C.

A14

NOTICE TO SUPPLIER.—Advise the Isotopes Division promptly of all shipments made under this authorization.

APPLICATION FOR RADIOISOTOPE PROCUREMENT

FOLLOW ATTACHED INSTRUCTIONS

25868

LEAVE BLANK

TO: U. S. ATOMIC ENERGY COMMISSION, POST OFFICE BOX E, OAK RIDGE, TENNESSEE; ATTENTION: ISOTOPES DIVISION

1. NAME AND ADDRESS OF APPLICANT (Institution, Firm, etc. Follow Instruction No. 2A)
Commander Military Sea Transportation Service
33 Berry Street, San Francisco 7, California

2. DEPARTMENT TO USE ISOTOPE (Follow Instruction No. 2B)
Training Branch, IRD

3. NAME AND ADDRESS OF INDIVIDUAL USER (Follow Instruction No. 3A)
Mr. L. G. Miller Mr. L. Gromachey (above address)
Mr. J. Sackman

4. EXPERIENCE OF THE USER (Follow Instruction No. 3B)
Completion of Navy damage control instructor training including two weeks of radiological safety.

RADIOISOTOPE REQUESTED (Follow Instruction No. 4)

5. ISOTOPE (Element and mass number) Co 60	6. CHEMICAL FORM Metallic form	7. QUANTITY (Millicuries or irradiated units) 10 mc	8. OTHER SPECIFICATIONS one capsule
9. ITEM NO. (If any) IN U. S. AEC CATALOG ORNL Catalog special Co 60 source	10. NAME AND ADDRESS OF SUPPLIER, IF KNOWN Carbide and Carbon Chemical Company P. O. Box P, Oak Ridge, Tennessee		

STATEMENT OF USE (Follow Instruction No. 5)

11. STATE PROPOSED USE OF RADIOMATERIAL AND GENERAL PLAN OF INVESTIGATION

To be used as a source for the training of personnel in use of radiac instruments and in radiological defense at ABC defense schools ashore and in annual 1-2 day underway drills aboard MSTs ships.

12. WILL THE RADIOISOTOPE BE USED IN HUMAN BEINGS? (Follow Instruction No. 6A)					CIRCLE YOUR ANSWER		YES	<input checked="" type="radio"/> NO
13. A. HUMAN DOSAGE (In millicuries per patient)	B. NUMBER OF DOSES (Per patient)	C. NUMBER AND TYPE OF PATIENTS	D. COMPOUND ADMINISTERED	E. SAMPLE TO BE TAKEN FOR MEASUREMENT				
Not applicable								
14. APPROVAL OF THE USER'S LOCAL ISOTOPE COMMITTEE (Follow Instruction No. 6B) "THE LOCAL ISOTOPE COMMITTEE APPROVES THE HUMAN USE AS INDICATED IN ITEMS 11-13." Not applicable								
(Signature of Chairman, Local Isotope Committee)								
15. WILL THE RADIOISOTOPE BE USED IN LOWER ANIMALS?					CIRCLE YOUR ANSWER		YES	<input checked="" type="radio"/> NO
16. IS A COMPLETED FORM AEC-313A A PART OF THIS APPLICATION? (Follow Instruction No. 7)					CIRCLE YOUR ANSWER		<input checked="" type="radio"/> YES	NO
17. MAY THE ISOTOPES DIVISION RELEASE GENERAL INFORMATION REGARDING MATERIAL USED AND PURPOSE? (If your answer is "No," please state your reason here)							CIRCLE YOUR ANSWER	
							<input checked="" type="radio"/> YES	NO

READ THE TERMS AND CONDITIONS ON THE BACK OF THIS SHEET AND SIGN THE CERTIFICATE THAT FOLLOWS—AN UNSIGNED APPLICATION CANNOT BE CONSIDERED

STATEMENT OF FACILITIES FOR RADIATION MEASUREMENT AND HEALTH SAFETY MONITORING

isotopes may be distributed only to applicants equipped to observe safety standards for the protection of health. part of form AEC-313 must be completed in triplicate and left attached to your first application. It may be detached from subsequent applications provided, there is no change in availability of the items listed.

NAME AND ADDRESS OF APPLICANT (Institution, Firm, etc.)

Commander Military Sea Transportation Service
33 Berry Street, San Francisco 7, California

19. DATE

30 APR 1954

NAME AND TITLE OF USER (Same as item 8 above)

Mr. L. G. Miller, Naval Architect
Mr. J. Sackman, Marine Training Specialist
Mr. L. Gromachey, Marine Training Specialist

21. DEPARTMENT

Training Branch, IRD

LIST OF RADIATION INSTRUMENTS AVAILABLE

22. KIND OF INSTRUMENT	23. MAKE AND SERIAL NO.	24. SENSITIVITY RANGE (Include window thickness in mg/cm ²)	25. USE (Health monitoring or measurement)
Low range portable survey meter	Standard U. S. Navy Issue Ser AN/PDR-27C		Measurement and monitoring
Casualty range dosimeters	Standard U. S. Navy Issue Ser DT-60/PD Stock No. F16-D-19884-1031		Health monitoring
Low range dosimeters	Pencil type		Health monitoring

26. HOW ARE INSTRUMENTS CALIBRATED?

Each instrument has as an integral part a low activity source. In addition, instruments are checked and calibrated by radiac repair shops located in each naval district under the cognizant industrial manager.

27. HOW FREQUENTLY ARE INSTRUMENTS CALIBRATED?

Approximately once every three months.

TERMS AND CONDITIONS

In consideration of the issuance of an authorization from the Commission to enable the applicant to procure or obtain the radioisotopes or irradiation service requested hereon, the applicant agrees that:

1. Radioisotopes purchased or acquired from the Commission or a distributor are shipped f. o. b. the laboratory, plant, facility, or Commission office handling the transaction, at prices and service fees as fixed by the Commission, and title to said materials, if same are not already owned by the applicant, shall pass to the applicant when the materials are delivered to the carrier. When shipment of the materials requires the use of returnable Government-owned containers, title to such containers shall remain in the Government and a deposit to insure return of the containers will be made if required. The applicant will keep the containers in good condition, will not use them for any materials other than the materials shipped therein, and will return them to point of shipment, transportation prepaid, within 21 days of date of shipment.
2. Neither the Government, the Commission, nor any distributor will be responsible for:
 - (a) any damage to, destruction to, loss of, or changes in physical or chemical properties of materials of any kind accepted for a service irradiation, either as a result of, or in the process of, the irradiation or while said materials are in the possession of the Commission or a distributor;
 - (b) any injury to persons or other living things or for damage to property caused by handling, shipment, use (including use based on any statement of quality or quantity), storage, transfer, disposal, or reshipment of, or other act or failure to act in connection with any materials purchased or acquired from the Commission or a distributor, or procured from any source upon the Commission's approval, it being expressly agreed that, as between the Commission, the supplying distributor, and the applicant, the applicant assumes complete responsibility and liability for any such injury or damage occurring: Provided, however, That if such injury or damage is caused solely by the negligent packing of the Commission or a distributor this assumption of liability shall not apply.
3. Neither the Government, the Commission, nor any distributor makes any warranty or other representation that (a) materials accepted for a service irradiation will not be destroyed, damaged, or otherwise altered in physical or chemical properties in the process of irradiation, and (b) radioisotopes (1) will not result in injury or damage when used for the purposes approved by the Commission, (2) will accomplish the results for which they are requested and approved by the Commission, (3) are safe for any other use, or (4) are of a particular quality or quantity. When procuring radioisotopes from the Commission or a distributor the applicant agrees to report promptly whether the amount received represents the amount paid for, in order that discrepancies may be adjusted.
4. Neither the Government, the Commission, nor any distributor shall be responsible, irrespective of cause, for the failure of the Commission, and distributor, or other transferor to (a) deliver radioisotopes at specified times, or (b) deliver radioisotopes of specified quality.
5. When materials supplied for a service irradiation are:
 - (a) from an applicant not authorized to possess or use radioisotopes, the Commission or the distributor shall have the right to retain possession and control of the irradiated materials throughout the period of measurable activity of such materials, and unless otherwise stated in the request for service irradiation, may dispose of such materials in accordance with

the usual Commission or distributor disposal procedures for radioactive materials;

- (b) to be tested or analyzed and retained by the Commission or a distributor, such materials may, unless otherwise stated in the request for service irradiation, be disposed of in accordance with the usual Commission or distributor disposal procedures for radioactive materials.

It is expressly agreed that if any irradiated materials covered by (a) or (b) above must be retained by the Commission or a distributor in order to protect health and minimize other hazards to life or property, the applicant will pay all storage and maintenance charges connected therewith, and if any irradiated materials belonging to the applicant are disposed of under the provisions of this paragraph, the applicant shall have no claim for the value or replacement of said materials.

6. The Commission shall have the right to publish and use any information or knowledge acquired as a result of the irradiation of materials furnished by the applicant, including results of tests and analyses made for the applicant in connection with any such irradiated materials.
7. The right to revoke or cancel, with or without cause, arrangements for or agreements for the purchase or acquisition of any radioisotopes from a distributor, including arrangements or agreements for service irradiations, is reserved to the Commission. In the event the Commission revokes or cancels any arrangement or agreement for a service irradiation, the Government, the Commission, and the distributor shall be discharged of all obligations thereunder by return to the applicant of an amount of nonirradiated material of like kind, quality, and quantity as the material accepted for irradiation.
8. Title to and possession of all radioisotopes purchased or acquired from the Commission or from a distributor, or from any source on the authorization or approval of the Commission, remain subject to the Commission's statutory *right to recall*. Title to any materials recalled by the Commission shall vest in the Commission with the exercise of this right, and the Commission may enter and take possession of said materials any time after notice is given that the materials are being recalled: Provided, That if requested, the applicant, at his expense, will make shipment of the recalled materials to a destination designated by the Commission.
9. The applicant agrees to indemnify the Government, the Commission, their officers, agents, contractors, distributors, servants, and employees against liability, including costs and expenses incurred, for infringement of any Letters Patent occurring in the course of any service irradiation, test, or analysis performed for the applicant by the Commission or its distributors, or occurring in the utilization by the applicant of any radioisotopes or irradiated materials.
10. The applicant will furnish to the Isotopes Division six copies of each article published on the results of his investigations using radioisotopes or irradiation services, or will upon request furnish to the Isotopes Division a report of the results of his investigations.
11. Any radioisotopes received as a consequence of this application will be dealt with in accordance with all instructions, recommendations, or standards issued by the Commission for the safe use, handling, or disposal of radioactive materials.
12. All purchase orders and agreements for procuring radioisotopes are subject to the terms and conditions hereof and any contrary conditions of sale or transfer contained in such purchase orders or agreements will not apply.

CERTIFICATE

The applicant and any official executing this application in behalf of the applicant certify that the information stated herein is true and correct, that this application is made under and in conformity with Code of Federal Regulations, Title 10, Atomic Energy, Part 30, Radioisotope Distribution, and agree that this application and any materials procured pursuant thereto are subject to the terms and conditions on this page.

30 APR 1954

(Date)

(Signature of Applicant or Certifying Official)

Commander, Military Sea Transportation Service
NEIL R. DIETRICH (Title)

WARNING DEPUTY

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

ATOMIC ENERGY COMMISSION
APPLICATION FOR BYPRODUCT MATERIAL LICENSE

INSTRUCTIONS: Complete Items 1 through 19 if this is a new application. If renewal is requested, complete only Items 1 through 11 provided that with respect to the other items there has been no change in the information previously submitted. Mail two copies to: U. S. Atomic Energy Commission, P. O. Box E, Oak Ridge, Tennessee, Attention: Isotopes Extension, Division of Civilian Application. Upon approval of this application, the applicant will receive an AEC Byproduct Material License. General requirements for issuance of an AEC Byproduct Material License are contained in Title 10, Code of Federal Regulations, Part 30.

1. (a) NAME AND SHIPPING ADDRESS OF APPLICANT
(Institution, firm, hospital, person, etc.)
Commander Military Sea Transportation
Service, Pacific Area
(Code P-124)

(b) ADDRESS(ES) AT WHICH BYPRODUCT MATERIAL WILL BE USED
~~XXXXXXXXXXXXXXXXXXXX~~ contd
Fort Mason, San Francisco 23, California
Attn: Messrs. L. G. Miller, J. Sackmann,
or L. Gromachey

2. DEPARTMENT TO USE BYPRODUCT MATERIAL
Training Branch, Industrial Relations Division

3. INDIVIDUAL USER (Name and title of individual(s) who will use or directly supervise use of byproduct material)
L. G. Miller, Asst Port Engineer; J. Sackmann & L. Gromachey, Damage Control / Instructors

4. RADIOLOGICAL SAFETY OFFICER (Name of person qualified in radiological safety, if other than individual user)

5. PREVIOUS LICENSE OR AUTHORIZATION NUMBER (If this is an application for renewal of a license for byproduct material obtained under a prior license or authorization for radioisotope procurement)

"Authorization for Radioisotope Procurement" - Serial #25868

BYPRODUCT MATERIAL OR IRRADIATION SERVICE DESIRED

6. BYPRODUCT MATERIAL (Element and mass number)

Ce 60

7. CHEMICAL AND/OR PHYSICAL FORM (Or catalog number)

8. MAXIMUM AMOUNT OF RADIOACTIVITY IN MILLICURIES THAT YOU WILL POSSESS AT ANY ONE TIME

9. IF IRRADIATION SERVICE IS DESIRED, STATE PERTINENT DETAILS SUCH AS: CHEMICAL COMPOSITION AND WEIGHT IN GRAMS OF TARGET MATERIAL, RADIOACTIVITY, IRRADIATION TIME IN DAYS, AND NEUTRON FLUX

STATEMENT OF USE

10. (a) DESCRIBE PURPOSE FOR WHICH BYPRODUCT MATERIAL WILL BE USED. (If material is for "human use" complete Supplement A in lieu of this item. If material is to be used in or manufactured as a "sealed source" complete Supplement B in addition to this item.)

(b) DESCRIBE PROCEDURES WHICH WILL BE OBSERVED TO MINIMIZE HAZARD FROM HANDLING, STORAGE, AND DISPOSAL OF THE BYPRODUCT MATERIAL

CERTIFICATE

11. 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 do solemnly swear (or affirm) that all information contained herein, including any supplements attached hereto, is true and correct to the best of our knowledge and belief.

State of California

County of San Francisco

Subscribed and sworn to before me this 13th
day of March 1957

Ailda M. Butler
Notary Public My Commission Expires November 9, 1959

Commander Military Sea Transportation
Service, Pacific Area
Applicant named in Item 1

By John P. Sackmann
Title of Certifying Official

Date 13 March 1957

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.

INSTRUCTIONS: Complete Items 12 through 19 if this is a new application. This information may be omitted from subsequent applications provided there is no change in the information previously submitted, and reference is made in Item 5 to the application on which this information appears.

TRAINING AND EXPERIENCE WITH RADIOACTIVITY OF INDIVIDUALS ~~SEEK~~ NAMED IN ITEM 3

12. TYPE OF TRAINING	WHERE TRAINED	DURATION OF TRAINING	ON THE JOB (Circle answer)	FORMAL COURSE (Circle answer)
1. Principles and practices of radiological health safety.	U.S. NAVSCOLCOM Treasure Island	Two weeks	Yes <input type="radio"/> No <input checked="" type="radio"/>	<input checked="" type="radio"/> Yes <input type="radio"/> No
2. Radioactivity measurement standardization and monitoring techniques and instruments	-do-	-do-	Yes <input type="radio"/> No <input checked="" type="radio"/>	<input checked="" type="radio"/> Yes <input type="radio"/> No
3. Mathematics and calculations basic to the use and measurement of radioactivity.	-do-	-do-	Yes <input type="radio"/> No <input checked="" type="radio"/>	<input checked="" type="radio"/> Yes <input type="radio"/> No
4. Biological effects of radiation.	-do-	-do-	Yes <input type="radio"/> No <input checked="" type="radio"/>	<input checked="" type="radio"/> Yes <input type="radio"/> No
5. Actual use of radioisotopes in the types and quantities for which application is being made, or equivalent experience	-do-	-do-	Yes <input type="radio"/> No <input checked="" type="radio"/>	<input checked="" type="radio"/> Yes <input type="radio"/> No

13. ISOTOPE HANDLING EXPERIENCE

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Cobalt 60	10 millicuries	U.S. NAVSCOLCOM (Damage Control School) Treasure Island, Calif.	Two weeks	Training

14. If Radiological Safety Officer named in Item 4 is different from individual user named in Item 3, use supplementary sheet to provide equivalent information on "Training and Experience With Radioactivity of Radiological Safety Officer." Supplementary sheet is attached (Circle answer)
 Yes No

PHYSICAL FACILITIES, EQUIPMENT, AND RADIATION INSTRUMENTATION

15. RADIATION DETECTION INSTRUMENTS (Use separate sheet if necessary)

TYPE OF INSTRUMENTS (Include make and model number of each)	NUMBER AVAILABLE	RADIATION DETECTED	SENSITIVITY RANGE (mr/hr)	WINDOW THICKNESS (mg/cm ²)	USE (Monitoring, surveying, measuring)
AN/PDR - 8C	2	Beta&Gamma	mr/hr	5 mg/cm ²	Monitoring Instructions for ship's personnel
AN/PDR - 8D	2	Beta&Gamma	mr/hr	5 mg/cm	
AN/PDR - 18A	2	Gamma	mr/hr	---2	
AN/PDR - 27C	2	Beta&Gamma	mr/hr	5 mg/cm	

16. FILM BADGES, DOSIMETERS, AND OTHER PERSONNEL MONITORING DEVICES INCLUDING BIO-ASSAY PROCEDURES

Plastic film badges are used at all times by personnel handling the sealed source. Also, a pocket dosimeter is worn and checked for possible accumulation of radiation.

17. METHOD, FREQUENCY, AND STANDARDS USED IN CALIBRATING INSTRUMENTS LISTED ABOVE (For film badges specify method of calibration and processing, or name supplier)

The above instruments are calibrated by personnel of the Radiological laboratory at U. S. Naval Shipyard, Hunters Point, San Francisco, Calif.

18. (a) DESCRIBE BRIEFLY REMOTE HANDLING EQUIPMENT, STORAGE CONTAINERS, SHIELDING, AND LABORATORY FACILITIES (Working areas, fume hoods, etc.)

Sealed source is stowed in lead shielded container under lock. The handling of sealed source is by metal container with metal bar as a handle. The listed personnel are responsible for the handling of the sealed source.

(b) SKETCHES OF SUCH FACILITIES ARE ATTACHED (Circle answer) SEE SUPPLEMENTAL SHEET Yes No

19. DESCRIBE BRIEFLY RADIATION SURVEYING PROCEDURES AND METHODS OF DISPOSING OF RADIOACTIVE WASTES

The disposing of radioactive wastes, when necessary, will be done by qualified personnel of Naval Shipyard at Hunters Point.

APP

4-2801-1

SUPPLEMENTAL SHEET FOR AEC-313 FORM

Item 18.

All personnel coming in contact with the radioisotope are equipped with film badges or dosimeters. Protective gloves and metal tongs one foot in length are used during handling of the radioisotope.

44-41 ← int TC 4821 RHW

Form AEC-318
(9-55)

ATOMIC ENERGY COMMISSION
APPLICATION FOR BYPRODUCT MATERIAL LICENSE

Form approved.
Budget Bureau No. 38-R027.3.

INSTRUCTIONS: Complete Items 1 through 19 if this is a new application. If renewal is requested, complete only Items 1 through 11 provided that with respect to the other items there has been no change in the information previously submitted. Mail two copies to: U. S. Atomic Energy Commission, P. O. Box E, Oak Ridge, Tennessee, Attention: Isotopes Extension, Division of Civilian Application. Upon approval of this application, the applicant will receive an AEC Byproduct Material License. General requirements for issuance of an AEC Byproduct Material License are contained in Title 10, Code of Federal Regulations, Part 30.

1. (a) NAME AND SHIPPING ADDRESS OF APPLICANT
(Institution, firm, hospital, person, etc.)
Commander Military Sea Transportation Service, Pacific Area (Code P-124)

(b) ADDRESS(ES) AT WHICH BYPRODUCT MATERIAL WILL BE USED
(If different from shipping address)
**Fort Mason, San Francisco 23, California
ATTN: L. G. Miller, J. Sackmann, or L. Gromachey**

2. DEPARTMENT TO USE BYPRODUCT MATERIAL
Training Branch, Industrial Relations Division

3. INDIVIDUAL USER (Name and title of individual(s) who will use or directly supervise use of byproduct material)
L. G. Miller, Asst Port Engineer; J. Sackmann & L. Gromachey, Damage Control / Instructors

4. RADIOLOGICAL SAFETY OFFICER (Name of person qualified in radiological safety, if other than individual user)

5. PREVIOUS LICENSE OR AUTHORIZATION NUMBER (If this is an application for renewal of a license for byproduct material obtained under a prior license or authorization for radioisotope procurement)

"Authorization for Radioisotope Procurement" - Serial #25868

BYPRODUCT MATERIAL OR IRRADIATION SERVICE DESIRED

6. BYPRODUCT MATERIAL (Element and mass number) Co 60	7. CHEMICAL AND/OR PHYSICAL FORM (Or catalog number) sealed source (Co-60)	8. MAXIMUM AMOUNT OF RADIOACTIVITY IN MILLICURIES THAT YOU WILL POSSESS AT ANY ONE TIME 10 mc
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9. IF IRRADIATION SERVICE IS DESIRED, STATE PERTINENT DETAILS SUCH AS: CHEMICAL COMPOSITION AND WEIGHT IN GRAMS OF TARGET MATERIAL, RADIOACTIVITY, IRRADIATION TIME IN DAYS, AND NEUTRON FLUX

STATEMENT OF USE

10. (a) DESCRIBE PURPOSE FOR WHICH BYPRODUCT MATERIAL WILL BE USED. (If material is for "human use" complete Supplement A in lieu of this item. If material is to be used in or manufactured as a "sealed source" complete Supplement B in addition to this item.)

(b) DESCRIBE PROCEDURES WHICH WILL BE OBSERVED TO MINIMIZE HAZARD FROM HANDLING, STORAGE, AND DISPOSAL OF THE BYPRODUCT MATERIAL

CERTIFICATE

11. 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 do solemnly swear (or affirm) that all information contained herein, including any supplements attached hereto, is true and correct to the best of our knowledge and belief.

State of **NOT REQUIRED - SEE AEC LTR IEB:30 OF 15 Feb 1957** Applicant named in Item 1

County of _____ By **orig [signature]**

Subscribed and sworn to before me this _____ day of _____ Title of Certifying Official

Notary Public _____ Date _____

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.

In reply refer to
IDB:ALH (4821)

Oak Ridge, Tennessee
April 9, 1957

Commander Military Sea Transportation Service
Pacific Area
Code P-124
Port Mason
San Francisco 23, California

Attention: John Sackman

Subject: APPLICATION FOR FIREARMS MATERIAL LICENSE

Dear Mr. Sackman:

This will acknowledge your recent application for the Cobalt 60 course which you are now using for training and calibration purposes.

In order that we may have current information on the present program it would be appreciated if you would furnish the information as requested in Items 7, 8, 10 and Items 15 through 19 on Form AEO-313. For your convenience, we have enclosed two copies of your original applications; please return two completed copies.

Before licenses to the Department of Navy can be issued by the Isotopes Extension, the application must be coordinated through the respective Bureau within the Navy. Hence, we are returning copies of the application you submitted and request that you forward your application to the attention of:

C.D. Bayle, Head, Safety Branch
Code: IS
Dept. of the Navy
Military Sea Transportation Service
Building 8-3
Washington, D.C.

Our office will in turn send it to us for review. We regret the inconvenience which this may cause you but do appreciate your cooperation.

Very truly yours,

ATL

RECEIVED	Isotopes		
APR 11 1957	4/9/57		
		J.W. Hitch, Assistant Chief Isotopes Extension Division of Civilian Applications	

Form AEO-313

See C.D. Bayle

U.S. GOVERNMENT PRINTING OFFICE: 16-60751-3

Oak Ridge, Tennessee
April 23, 1957

IEB:RLH(1821)

Commander
Military Sea Transportation Service
Pacific Area (Code P-124)
Fort Mason
San Francisco 23, California

Attention: L.G. Miller, J. Sackmann, L. Gromachay

Subject: APPLICATION FOR BYPRODUCT MATERIAL LICENSE

Dear Sir:

This will acknowledge receipt of your application for a byproduct material license covering the use of a 10 millicurie Cobalt 60 source.

As previously pointed out in our letter of April 9, 1957, it is our understanding that your application should be coordinated through Mr. C.D. Nagle's office prior to continuing our review of your application. Therefore, we are again returning copies of the application you submitted and request that you forward your application to the attention of:

C.D. Nagle, Head, Safety Branch
Code 125
Department of the Navy
Military Sea Transportation Service
Building T-8
Washington, D.C.

Also, it would be appreciated if you would furnish information as requested in Items 15 through 19 on Form AEC-313 in order that we may have current information on your present program.

As quickly as we receive your application, the additional information requested above, and appropriate letters of endorsement, we will promptly review your request.

Very truly yours,

Al7

OFFICE		for:	J.W. Hitch, Assistant Chief
SURNAME	<i>K F H</i>		Byproduct Licensing Branch
DATE	<i>MB</i>		Isotopes Extension
	Enclosures:		Division of Civilian Application

L.G. Miller
U.S. Navy
Commander Military Sea Trans. Service
Training Branch Dept.
33 Berry St.
San Francisco, California

4821

OFFICE ▶						
SURNAME ▶						
DATE ▶						



DEPARTMENT OF THE NAVY
MILITARY SEA TRANSPORTATION SERVICE, ATLANTIC AREA
58TH STREET & FIRST AVENUE
BROOKLYN 50, N. Y.

3688
BUB
HJY
4821

IN REPLY REFER TO:

Ser 832L124

8 MAY 1957

1/2 A 21 May

From: Commander, Military Sea Transportation Service,
Atlantic Area
To: Byproduct Licensing Branch, Isotopes Extension,
Division of Civilian Application, U. S. Atomic
Energy Commission, Box "E", Oak Ridge, Tennessee
Via: Commander Military Sea Transportation Service
Subj: Application for Byproduct Material License
Ref: (a) COMSTS ltr ser 208M124 of 20 Mar 1957
Encl: (1) Form AEC-313, Application for Byproduct
Material License

1. In accordance with reference (a), enclosure (1) is
forwarded.

4066

C. Staff Ser 511M124
By direction 14 May 1957

FIRST ENDORSEMENT on COMSTSLANTAREA ltr ser 832L124 of
8 May 1957

From: Commander Military Sea Transportation Service
To: Byproduct Licensing Branch, Isotopes Extension,
Division of Civilian Application, U. S. Atomic
Energy Commission, Box "E", Oak Ridge, Tennessee

1. Forwarded for issuance of a Byproduct Material License
in accordance with the AEC-BUMED agreement. All the re-
quirements and precautions designated in this agreement have
been complied with.

S. N. Jackson

Copy to:
COMSTSLANTAREA

A/8

3688



DEPARTMENT OF THE NAVY
MILITARY SEA TRANSPORTATION SERVICE, PACIFIC AREA
FORT MASON
SAN FRANCISCO, CALIFORNIA

IN REPLY REFER TO:
P-124
Ser 1551

29 MAY 1957

From: Commander Military Sea Transportation Service, Pacific Area
To: Commander Military Sea Transportation Service

Subj: Application for Byproduct Material License

Ref: (a) COMSTS ltr ser 503ML24 of 9 May 1957

Encl: (1) Form AEC 313

1. In compliance with reference (a), Form AEC 313, "Application for Byproduct Material License," has been modified and is resubmitted.

12
From: M - To: M-
This is the OFFICIAL COPY, which is hereby given "direct routing" for ACTION/INFO and retention

J. L. Shank
J. L. SHANK
CHIEF OF STAFF,
ACTING.

Ser 559M124
7 JUN 1957
FIRST ENDORSEMENT ON COMSTSPACAREA ltr ser 1951 of 29 May 1957

From: Commander Military Sea Transportation Service
To: Byproduct Licensing Branch, Isotopes Extension,
Division of Civilian Application, U. S. Atomic
Energy Commission, Box "E", Oak Ridge, Tennessee

1. Readdressed and forwarded for issuance of a Byproduct Material License in accordance with the AEC-BUMED agreement. All the requirements and precautions designated in this agreement have been complied with.

S. N. Tackney
S. N. TACKNEY
By direction

Copy to:
COMSTSPACAREA

A/9

P-124
Ser 1551

29 MAY 1957

From: Commander Military Sea Transportation Service, Pacific Area

To: Commander Military Sea Transportation Service

Subj: Application for Byproduct Material License

Ref: (a) COMSTS ltr ser 5084124 of 9 May 1957

Encl: (1) Form AEC 313

1. In compliance with reference (a), Form AEC 313, "Application for Byproduct Material License," has been modified and is resubmitted.

J. E. SHANK
CHIEF OF STAFF,
ACTING.

MAY 31 10 11 30

MAY 31 10 11 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, Part 30, Licensing of Byproduct Material, 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		3. License number
1. Name	Department of the Navy Military Sea Transportation Service	4-2901-1
2. Address	Pacific Area Fort Mason San Francisco 23, California	4. Expiration date
		July 31, 1959
		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
Cobalt 60	Sealed Source (ORNL)	10 millicuries

9. Authorized use

Co 60 (Sealed Source): For training of personnel in the use of radiac instruments in radiological defense at ABC defense schools ashore, and in annual 1-2 day underway drills aboard MSTs ships.

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
11. Byproduct material may be used at field locations designated by the licensee.
12. Byproduct material to be used by, or under the supervision of, L. G. Miller, J. Sackmann, or L. Gromachey.
13. Sealed source licensed above shall not be opened.

A/10

For the U. S. Atomic Energy Commission

Date July 30, 1957

by

PCA/7B 7-31-57

Director, Isotopes Extension
Division of Civilian Application
Oak Ridge, Tennessee

sub/RZA