

## MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 39, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		In accordance with application dated March 31, 1997	
1. Department of the Army		3. License number STB-1168 is amended in its entirety to read as follows:	
2. Corpus Christi Army Depot ATTN: SDCSG-GT, Mail Stop 23 Corpus Christi, Texas 78419-6070		4. Expiration date November 30, 2000	
		5. Docket or Reference No 040-08177	
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license	
A. Thorium	A. Thorium-Nickel and Thorium-Magnesium Alloys (up to 4 percent) Thorium)	A. 5,400 Kilograms	
B. Thorium-232	B. Thorium compounds in optical glass	B. 5 Kilograms	
9. Authorized use:			
A. For storage and/or use in castings for repair, maintenance, installation into or removal from engines including the welding, machining, abrasive blasting, deburring, dent and nick removal, corrosion removal, and cleaning of castings.			
B. For coating glass in night vision optical systems, maintenance of helicopters, or removal for cleaning and system calibration according to instructions contained in system maintenance manuals.			

## CONDITIONS

10. Licensed Material shall be used only at the Naval Air Station, Corpus Christi  
Army Depot, Corpus Christi, Texas.
11. Licensed material shall be used by, or under the supervision of, individuals  
designated by Charles D. Bird, Jr., M. David Scott, or Jesus L. Medellin.
12. The Radiation Safety Officer for this license is M. David Scott.

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MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number

STB-1168

Docket or Reference Number

040-08177

Amendment No. 16

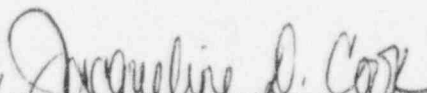
13. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Application dated June 21, 1989
- B. Letter dated March 26, 1990
- C. Letter dated October 29, 1990
- D. Application dated March 25, 1993
- E. Letter dated May 6, 1993
- F. Letter dated July 15, 1993
- G. Facsimile dated August 17, 1993

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date APR 30 1997

By



Nuclear Materials Licensing Branch  
Region IV  
Arlington, Texas 76011



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TEXAS 76011-8064

April 30, 1997

Department of the Army  
ATTN: M. David Scott  
Radiation Safety Officer  
SDSCC-GT, Mail Stop 23  
Corpus Christi Army Depot  
Corpus Christi, TX 78419-6070

SUBJECT: LICENSE AMENDMENT

Please find enclosed License No. STB-1168. You should review this license carefully and be sure that you understand all conditions. If you have any questions, you may contact the reviewer who signed your license at 817-860-8132.

NRC expects licensees to conduct their programs with meticulous attention to detail and a high standard of compliance. Because of the serious consequences to employees and the public which can result from failure to comply with NRC requirements, you must conduct your program involving radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

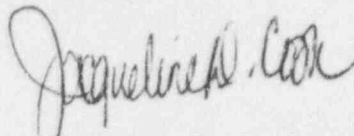
1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers: Inspection and Investigations," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Possess radioactive material only in the quantity and form indicated in your license.
3. Use radioactive material only for the purpose(s) indicated in your license.
4. Notify NRC in writing of any change in mailing address (no fee required if the location of radioactive material remains the same).
5. Request and obtain written NRC consent before transferring your license or any right thereunder, either voluntarily or involuntarily, directly or indirectly, through transfer of control of your license to any person or entity. A transfer of control of your license includes not only a total change of ownership, but also a change in the controlling interest in your company whether it is a corporation, partnership, or other entity. In addition, appropriate license amendments must be requested and obtained for any other planned changes in your facility or program that are contrary to your license or contrary to representations made in your license application, as well as supplemental correspondence thereto, which are incorporated into your license. A license fee may be charged for the amendments if you are not in a fee-exempt category.

6. Maintain in a single document decommissioning records that have been certified for completeness and accuracy listing all the following items applicable to the license:
  - Onsite areas designated or formerly designated as restricted areas as defined in 10 CFR 20.3(a)(14) or 20.1003.
  - Onsite areas, other than restricted areas, where radioactive materials in quantities greater than amounts listed in Appendix C to 10 CFR 20.1001-20.2401 have been used, possessed, or stored.
  - Onsite areas, other than restricted areas, where spills or other unusual occurrences involving the spread of contamination in and around the facility, equipment, or site have occurred that required reporting pursuant to 10 CFR 30.50(b)(1) or (b)(4), including areas where subsequent cleanup procedures have removed the contamination.
  - Specific locations and radionuclide contents of previous and current burial areas within the site, excluding radioactive material with half-lives of 10 days or less, depleted uranium used only for shielding or as penetrators in unused munitions, or sealed sources authorized for use at temporary job sites.
  - Location and description of all contaminated equipment involved in licensed operations that is to remain onsite after license termination.
7. Submit a complete renewal application with proper fee, or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.
8. Request termination of your license if you plan to permanently discontinue activities involving radioactive material.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation; imposition of a civil penalty; or an order suspending, modifying, or revoking your license as specified in the "General Statement of Policy and Procedure for NRC Enforcement Actions" (Enforcement Policy), 60 FR 34381, June 30, 1995.

Thank you for your cooperation.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jacqueline D. Cook".

Jacqueline D. Cook  
Health Physicist  
Nuclear Materials Licensing Branch

Docket: 040-08177  
License: STB-1168  
Control: 466369

Enclosures: As stated



APR 30 1997

Department of the Army

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DOCUMENT NAME: P:\MLCOVER\LETTER\ARMYCC.MLC

To receive a copy of this document, indicate in the box "C" - Copy without attachment/enclosure "E" - Copy with attachment/enclosure "N" - No Copy

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JDCook <i>[Signature]</i>							
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DEPARTMENT OF THE ARMY

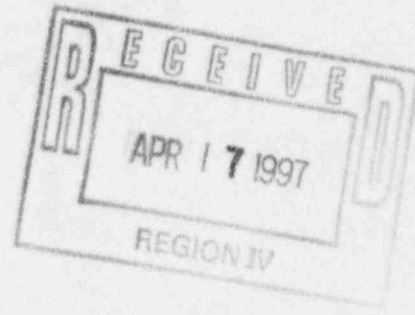
CORPUS CHRISTI ARMY DEPOT  
308 CRECY STREET  
CORPUS CHRISTI, TEXAS 78419-5260

April 7, 1997

Industrial Risk Management  
Division

SUBJECT: Application to Amend Source Material License, STB-1168

Ms. Billie Gruzynski,  
U.S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-8064



Dear Ms. Gruzynski

Enclosed is Nuclear Regulatory Commission (NRC) form 313, application to amend NRC Source Material License, STB-1168, with enclosures. The license is held by the Corpus Christi Army Depot,

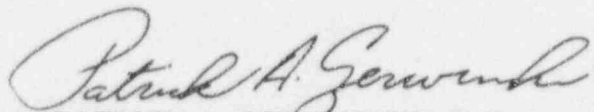
The Corpus Christi Army Depot requests amendment to the above license to permit possession of thorium-232 in the form of coatings and additives for optical glass used in night vision optical systems.

Our return address is Industrial Risk Management Division, ATTN: SIOCC-IR-SE, Stop 23, Corpus Christi Army Depot, 308 Crecy Street, Corpus Christi, TX 78419-5260.

If there are any questions, please contact David Scott, Health Physicist, at 512-939-2199.

FOR THE COMMANDER:

Encl

  
PATRICK A. CZERWINSKI, P. E.,  
Chief, SOHE Branch,

(10-94)  
10 CFR 30, 32, 33,  
34, 35, 36, 39 and 40

## APPLICATION FOR MATERIAL LICENSE

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 9 HOURS. SUBMITTAL OF THE APPLICATION IS NECESSARY TO DETERMINE THAT THE APPLICANT IS QUALIFIED AND THAT ADEQUATE PROCEDURES EXIST TO PROTECT THE PUBLIC HEALTH AND SAFETY. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-6 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0120), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

## APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY  
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

## ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

## IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND,  
MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA,  
RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

LICENSING ASSISTANT SECTION  
NUCLEAR MATERIALS SAFETY BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO  
RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,  
SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION II  
101 MARIETTA STREET, NW, SUITE 2900  
ATLANTA, GA 30323-0199

## IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN,  
SEND APPLICATIONS TO:

MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
801 WARRENVILLE RD.  
LISLE, IL 60532-4351

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS,  
LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA,  
OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH,  
WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TX 76011-8061



PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

## 1 THIS IS AN APPLICATION FOR (Check appropriate item)

- ☐ A NEW LICENSE  
☒ B AMENDMENT TO LICENSE NUMBER STB-1168  
☐ C RENEWAL OF LICENSE NUMBER \_\_\_\_\_

2 NAME AND MAILING ADDRESS OF APPLICANT (include Zip code)  
Commander, Corpus Christi Army Depot  
ATTN: SIOCC-IR-SE Stop 23  
308 Crecy Street  
Corpus Christi, TX 78419-5260

3 ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED  
Same as 2.

4 NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION  
M. David Scott, Health  
Physicist  
TELEPHONE NUMBER  
(512) 939-2199

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5 RADIOACTIVE MATERIAL See encl. 1  
a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time

6 PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED  
See encl. 2.

7 INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE  
No Change from Basic

8 TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS  
No change from basic

9 FACILITIES AND EQUIPMENT  
No change from basic

10 RADIATION SAFETY PROGRAM  
No change from basic.

11 WASTE MANAGEMENT No change from basic.

12 LICENSEE FEES (See 10 CFR 170.4 and Section 170.3(j))  
exempt, 100% R, part 170.11(b)(1)  
FEE CATEGORY AMOUNT  
ENCLOSED \$

13 CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39 AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

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.

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE

JOHN R. PENMAN, COLONEL AV, COMMANDING

SIGNATURE

John R. Penman

DATE

31 MAR 97

## FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		

APPROVED BY

DATE

466369



## ENCLOSURE 1

Block 5. Radioactive material. a. Element and mass no., b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.

a. Thorium-232

b. Thorium compounds in optical glass and thorium compounds used for coating glass in night vision optical systems.

c. Each item not to exceed 2 grams content, total not to exceed 5 kilograms thorium content. (11.03 lbs.)

ENCLOSURE 2.

Block 6. PURPOSES FOR WHICH LICENSED MATERIAL WILL BE USED.

Material is to be in possession of Corpus Christi Army Depot during maintenance of helicopters. Devices containing the material may be removed from helicopters for cleaning and system calibration according to instructions contained in system maintenance manuals.

