

OFFICIAL RECORD COPY

MATERIALS LICENSE

Amendment No. 13

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, 36, 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

1. Department of the Interior
U.S. Geological Survey
National Center
2. Mail Stop 954
12201 Sunrise Valley Drive
Reston, Virginia 22092

In accordance with the letter dated March 14, 1997

3. License Number SNM-1330

is amended in its entirety to read as follows:

4. Expiration Date May 31, 2005 (Extended)

5. Docket or
Reference No. 070-013586. Byproduct, Source, and/or
Special Nuclear Material7. Chemical and/or Physical
Form8. Maximum Amount that Licensee
May Possess at Any One Time
Under This LicenseA. Uranium enriched in U-235
isotope

A. Any

A. 200 milligrams of contained U-235
(0.4 microcurie)B. Thorium enriched in Th-230
isotope

B. Any

B. 30 milligrams of contained Th-230
(0.60 millicurie)

C. Uranium 233

C. Any

C. 5 milligrams of contained U-233
(48.2 microcuries)

9. Authorized Use:

A. and B.

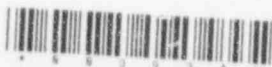
For determination of ages of materials by isotopic dilution of natural uranium and thorium

C.

For determination of uranium in water

CONDITIONS

10. Licensee material shall be used only at the licensee's facilities at 12201 Sunrise Valley Drive, Reston, Virginia.
11. The Radiation Protection Officer for the activities authorized by this license is Dr. Charles Naeser, and in his absence, William C. Anderle.
12. Licensed material shall be used by, or under the supervision of, Dr. Charles Naeser or William C. Anderle.

9706180302 970516
PDR ADOCK 07001358
C PDR0/1
ML 20

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number SNM-1330

Docket or Reference Number 070-01358

Amendment No. 13

CONDITIONS

Continued -

13. The licensee shall maintain records of information important to safe and effective decommissioning at 12201 Sunrise Valley Drive, Reston, Virginia pursuant to the provisions of 10 CFR 70.25(g) until this license is terminated by the Commission.
14. 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 and letter dated February 1, 1995
- B. Letters dated:
- March 1, 1996 (extends expiration date in accordance with 10 CFR 30.36)
 - March 14, 1997 (change RSO and users)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

EARL G. WRIGHT

Date MAY 16 1997

5/16/97

By *Earl G. Wright*
Region II, Division of Nuclear Materials Safety
61 Forsyth Street, Suite 23T85
Atlanta, GA 30303



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303

MAY 16 1997
INFORMATION FOR NRC MATERIAL LICENSEES

Please find enclosed: ☒ Your NRC material license
☐ Amendment to your NRC material license
☐ Amendment renewing your NRC material license
☐ Amendment terminating your NRC material license
☐ Notice for Radiographer Quality Assurance Approval Program

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify this office (ATTN: Ms. Diane Heim at (404) 562-4723) so that we can provide appropriate corrections and answers.

Please be advised that your license expires at the end of the day in the month and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct 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 19, "Notice, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Not possess and use materials authorized in Items 6, 7, and 8, on the license until:
 - a. you have constructed the facilities and obtained the equipment described in the license application and supporting documentation; and
 - b. you have notified the U. S. Nuclear Regulatory Commission, Region II, ATTN: Materials Licensing/Inspection Branch, in writing, that activities authorized by the license will be initiated.
 - c. you have submitted and certified implementation of a Quality Management Program (10 CFR 35.32) for radiotherapy, or for administering > 30 uCi of I-125 or I-131.
3. Notify NRC, in writing, within 30 days:
 - a. when an authorized user, Radiation Safety Officer, or Teletherapy Physicist permanently discontinues performance of duties under the license or has a name change; or
 - b. when the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).
4. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license:
 - a. when you decide to terminate all activities involving materials authorized under the license; or
 - b. if you decide not to complete the facility, acquire equipment, or possess and use authorized material.

5. Request and obtain a license amendment before you:
 - a. receive or use byproduct material for a clinical procedure permitted under Part 35 but not permitted by your license issued pursuant to this part.
 - b. permit anyone, not authorized under 10 CFR 35, Subpart J, to work as an authorized user under a license for medical use of byproduct material.
 - c. permit anyone, not authorized under 10 CFR 35, Subpart J, to work as a Radiation Safety Officer, Teletherapy Physicist, or Nuclear Pharmacist, under a license for medical use of byproduct material.
 - d. order byproduct material in excess of the amount, or a different radionuclide or form, other than authorized on the license;
 - e. add or change the areas of use or address (or addresses) of use identified in the license application or on the license; or
 - f. change ownership of your organization.
6. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. Transfer of licensed materials must be consistent with 10 CFR 30.41, 40.51 or 70.42, as applicable. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

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, or imposition of a Civil Penalty, or an order suspending, modifying or revoking your license as specified in the "General Statement of Policy and Procedures for NRC Enforcement Actions," NUREG-1600, (7/95). Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken against those who do not achieve the necessary attention to detail and standard of compliance expected of licensees.

Thank you for your cooperation.

Enclosures:

1. NRC License
2. Category Marked Below for:
 - ☐ New licenses: NUREG-1600 (7/95); 19; 20; 30; 40 or 70, as appropriate; 71; 170; NRC Form 3; Agreement State list; and NRC Form 313.
 - ☐ New radiography licenses: Parts 34; 150.
 - ☐ New medical and teletherapy licenses: Part 35.
 - ☐ Amendments and renewals: NRC Form 313.

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BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

: (FOR LFMS USE)
: INFORMATION FROM LTS
: -----
:
: Program Code: 22111
: Status Code: 0
: Fee Category: EX 1D 2C
: Exp. Date: 20050531
: Fee Comments: _____
: Decom Fin Assur Req'd: Y
: ::::::::::::::::::::::::::::::

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: INTERIOR, DEPARTMENT OF THE
Received Date: 970317
Docket No: 7001358
Control No.: 257422
License No.: SNM-1330
Action Type: Amendment

2. FEE ATTACHED

Amount: _____
Check No.: _____

3. COMMENTS

Signed _____
Date _____

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /__/))

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:

Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed _____
Date _____

May 16, 1997

U. S. Department of the Interior
U.S. Geological Survey
ATTN: Charles Naeser, Ph.D.
Radiation Safety Officer, Mail Stop 926A
National Center
12201 Sunrise Valley Drive
Reston, Virginia 22092

SUBJECT: TRANSMITTAL AND EXPLANATION OF A MATERIALS LICENSE ACTION
(REFERENCE: 257422, 257421; 070-01358, 040-01571)

Dear Dr. Naeser:

Enclosed are license Nos. SMB-237 and SNM-1330 which have been amended in response to your letter dated March 14, 1997.

This also confirms my telephone conversations of March 19, 1997 and May 15, 1997 with Dr. Greg Wandless and yourself regarding possible consolidation of these licenses with License No. 45-15923-01. It is my understanding that you are now preparing applications to request this consolidation.

If you have questions about this letter or your license, please call me at 404/562-4724 (FAX: 404/562-4955).

Sincerely,

/s/

Earl G. Wright
Senior License Reviewer
Division of Nuclear Materials Safety

Enclosures:

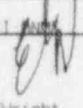
1. License No. SMB-237
2. License No. SNM-1330

cc w/encls: Commonwealth of VA

Distribution w/encls:

PUBLIC

RII Docket File, DNMS

OFFICE	RII	RII DNMS	RII EICS			
SIGNATURE						
NAME	EGWright					
DATE	05 / 16 / 97	05 / / 97	05 / / 97	05 / / 97		05 / / 97
COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

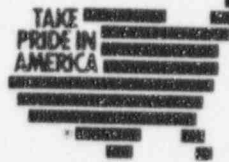
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DOCUMENT NAME: G:\DNMS\MLIB1\interior.1tr



United States Department of the Interior

GEOLOGICAL SURVEY
Reston, VA 22092
March 14, 1997



Ms. Dianne Heim, Licensing Assistant
Nuclear Materials Safety Section
U.S. Nuclear Regulatory Commission
101 Marietta Street, NW, Suite 2900
Atlanta, GA 30323

Dear Ms. Heim:

The U.S. Geological Survey requests an amendment to our source materials license number SMB-237 which has an expiration date of March 31, 1998 and SNM-1330 which has an expiration date of February 28, 1995. The purpose of this request is to modify items 11 and 12 under the heading "CONDITIONS" on page 1 of the license. Currently, items 11 and 12 read:

11. The Radiation Safety Officer for the activities authorized under this license is **Gregory A. Wandless** and in his absence, William C. Anderle.

12. Licensed material shall be used by, or under the supervision of, **Gregory A. Wandless**, or William C. Anderle.

We propose to change it to read:

11. The Radiation Safety Officer for the activities authorized under this license is **Dr. Charles Naeser**, and in his absence, William C. Anderle.

12. Licensed material shall be used by, or under the supervision of, **Dr. Charles Naeser**, or William C. Anderle.

Dr. Naeser was recently made the Radiation Safety Officer for the bi-product materials license (45-15923-01) at the U.S. Geological Survey, National Center Facility. This change will allow for easier administration of these licensed activities. If you have any question please call me at (703) 648-6189.

Sincerely,

Gregory A. Wandless

Cc: Charles Naeser, MS 926A
Curt Larsen, MS 953
Gary Kramer, MS 246
Wayne Martin, MS 953
RSO file

MEMORANDUM
OF CALL

Previous editions usable

TO:

Diane

☐ YOU WERE CALLED BY— ☐ YOU WERE VISITED BY—

OF (Organization)

changed via LTR
12/31/94

☐ PLEASE PHONE ▶ (Enter area code, if necessary) ☐ DSN

203-648-6391

☐ WILL CALL AGAIN ☐ IS WAITING TO SEE YOU
☐ RETURNED YOUR CALL ☐ WISHES AN APPOINTMENT

MESSAGE

Gregory Wandless
Dept. of Interior
Geological Survey National Center
Mail Stop 954
12201 Sunrise Valley Drive
Reston VA

45-15348-01
NA-1530

RECEIVED BY *20092* DATE *12/31/94* TIME *11:00*

NSN 7540-00-634-4018
50363-112

OPTIONAL FORM 363 (Rev. 7-94)
General Services Administration

U.S. Government Printing Office: 1994 — 387-724/00008