

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.

<p>Licensee</p> <p>1. Department of the Interior Bureau of Reclamation</p> <p>2. P.O. Box 25007 Denver, Colorado 80225-0007</p>		<p>In accordance with letter dated February 9, 1995</p> <p>3. License number 05-02678-02 is amended in its entirety to read as follows:</p>	
		<p>4. Expiration date April 30, 2007</p>	
		<p>5. Docket or Reference No 030-03730</p>	
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Carbon-14</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 3 millicuries</p>	
<p>9. Authorized use</p> <p>A. For use in studies of herbicides in aquatic plants and plant productivity.</p>			

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at the Denver Federal Center, Building 56, Denver, Colorado.
11. A. Licensed material shall be used by, or under the supervision and in the physical presence of, Radiation Safety Officer, or individuals who have been trained as specified in application received November 15, 1983. The licensee shall maintain records of individuals designated as users.
B. The Radiation Safety Officer for this license is Andrew P. Murphy.
12. Licensed material shall not be used in or on human beings.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

05-02678-02

Docket or Reference Number

030-03730

Amendment No. 31

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 U.S. 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 received November 15, 1983
- B. Letter dated January 17, 1992
- C. Letter dated April 20, 1992
- D. Letter dated February 9, 1995

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date APR 29 1997

By Original Signed By
Vivian H. Campbell

Vivian H. Campbell
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 29, 1997

Department of the Interior
Bureau of Reclamation
ATTN: Andrew P. Murphy, RSO
P.O. Box 25007
Denver, Colorado 80225-0007

SUBJECT: LICENSE RENEWAL

Please find enclosed License No. 05-02678-02. 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 817-860-8143.

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:

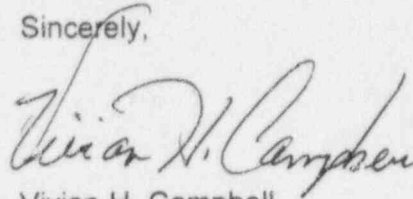
1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers: Inspection and Investigations," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Possess radioactive material only in the quantity and form indicated 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, reading "Vivian H. Campbell". The signature is written in dark ink and is positioned above the printed name and title.

Vivian H. Campbell
Senior Radiation Specialist
Nuclear Materials Licensing Branch

Docket: 030-03730
License: 05-02678-02
Control: 465567

Enclosures: As stated

APR 29 1997

Department of the Interior

-4-

DOCUMENT NAME: P:\interior.mlc

To receive copy of document, indicate in box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

RIV.NMLB	N	RIV:					
VHCampbell	nr						
4/29/97							

OFFICIAL RECORD COPY

Acceptance Review Check List



05-02678-02

Action Type:

- ☐ New
☐ Amendment
☒ Renewal

Mail Control No. 465567

Initials of Individual
 completing Form

Date: JUL 23 1996

*Dept of the Interior - Denver, CO
 Bureau of Reclamation*

Administrative Exclusion Items Requiring Return to Applicant:

- ☐ Current Guidance Not Used
☐ References in Application Not to Current Regulations
☐ All Attachments Referenced Are Not Included
☐ Signature Not on Application

*Very small program
 limited use.
 No recent guidance
 available from NRC
 for small R&D
 programs.*

Technical Exclusion Items Requiring Technical Reviewer Time Estimates:

- ☐ Request for Expedited Handling for Radiation Safety/Business Concerns
☐ Request for Exemption to Specific Regulation(s)
☐ Change in Ownership Concerns
☐ Financial Assurance/DFP Required - *None required*
☐ Decommissioning Plan Review
☐ Quality Management Plan
☐ Termination of License Requiring NRC Closeout Survey
☐ Bankruptcy Notification
☐ Approval of Long Term Storage/Alternative Form of Waste Disposal
☐ Facility Modifications Requiring Shielding Calculations
☐ Authorization to Possess and Use Large Quantities of Unsealed Materials
☐ HDR/Gamma Knife
☐ Major Increase In Authorized Users
☐ Approval Of Training Program
☐ Approval of Incineration of Radioactive Waste
☐ Authorization For Sealed Source or Device Requiring SSD Approval Review
☐ Environmental Assessment or Impact Statement Required
☐ Emergency Plan Contingency Plan Required
☐ Type A Broad Scope/Complex Research & Development Application

Reviewer: [Signature]

Estimate of Time Needed:

- ☒ 30 Days ☐ 60 Days ☐ 90 Days ☐ Other

Comments:

*Although no new information has been provided by the licensee,
 the program given during the last renewal is sufficient to issue
 renewal.*

*Inspected by NRC 4/95
 No violations*



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION IV

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

FEB 14 1995

OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL

of pages ► 1

To: <i>Andy Murphy</i>	From: <i>Vivian Campbell</i>
Dept./Agency: <i>DOI - Denver</i>	Phone #: <i>817-860-8143</i>
Fax #: <i>303-236-3899</i>	Fax #: <i>817-860-8263</i>
NSN 7540-01-317-7368	5099-101 GENERAL SERVICES ADMINISTRATION

Department of the Interior
Bureau of Reclamation
ATTN: Andrew P. Murphy, RSO
P. O. Box 25007
Denver, Colorado 80225-0007

Docket No. 030-03730
License No. 05-02678-02
Control No. 465567

Gentlemen:

This is to acknowledge receipt of your application for renewal of the byproduct material license identified above. Your application is deemed timely filed and, accordingly, the license will not expire until final action has been taken by this office.

Any correspondence regarding the renewal application should reference the control number specified and your license number.

Sincerely,

Original Signed By
Billie Gruszynski

Billie Gruszynski (Ms.)
Nuclear Materials Licensing Branch

OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL

4/18/96
of pages ► 1

To: <i>Andy Murphy</i>	From: <i>B. Gruszynski</i>
Dept./Agency: <i>DOI</i>	Phone #: <i>817-860-8120</i>
Fax #: <i>303-236-3899</i>	Fax #: <i>3/29/95</i>
NSN 7540-01-317-7368	5099-101 GENERAL SERVICES ADMINISTRATION

FEB 14 1995

RIV:NMLB *bg*
BGruszynski
2/14/95



United States Department of the Interior

BUREAU OF RECLAMATION

DENVER OFFICE

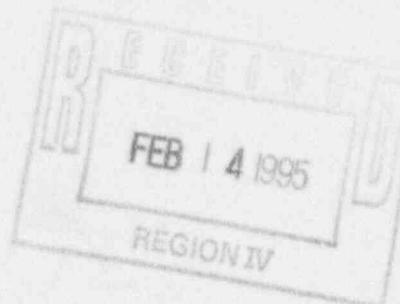
PO Box 25007

Building 67, Denver Federal Center
Denver, Colorado 80225-0007

IN REPLY REFER TO:

D-8230
LND-1.10

FEB 09 1995



Ms. Billie Gruszynski
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Dr., Suite 400
Arlington TX 76011

Subject: Nuclear Regulatory Commission (NRC) License

Dear Ms. Gruszyunski:

This letter is to inform you that we wish to continue our NRC license for an additional 5 years. Our license number is 05-02678-02.

Sincerely,

Andrew P. Murphy
Radiation Safety Officer

465567