

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: Geoscience, PLLP **License No.:** 25-29266-01
Docket No.: 030-37480 **Mail Control No.:** ~~471390~~ 471390
Type of Action: New **Date of Requested Action:** 05-31-07
Reviewer Assigned: **ARM reviewer(s):** Cook

Response	Deficiencies Noted During Acceptance Review
	<input checked="" type="checkbox"/> Open ended possession limits. Limit possession. Submit inventory. <input type="checkbox"/> Submit copies of most recent leak test results. <input type="checkbox"/> Add - delete IC license condition. Add IC paragraph in cover letter. <input checked="" type="checkbox"/> Split license from cover letter. Add SUNSI marking to license. <input type="checkbox"/> Ask the licensee if they have any type-amount of EPAct Material.

Reviewer's Initials: _____ **Date:** _____

<input type="checkbox"/> Yes	<input type="checkbox"/> No	Unrestricted release Group 2 or >: Transfer memo to FCDB within 10 days.
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Decommissioning notification should be completed within 30 days.
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Termination request < 90 days from date of expiration
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Expedite (medical emergency, no RSO, location of use/storage not on license, RAM in possession not on license, other)
<input type="checkbox"/> Yes	<input type="checkbox"/> No	TAR needed to complete action.

Branch Chief's and/or Sr. HP's Initials: _____ **Date:** _____

SUNSI Screening according to RIS 2005-31		
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Non-Publicly Available, Sensitive if <u>any</u> item below is checked
General guidance:		
_____	RAM = or > than Category 3 (Table 1, RIS 2005-31), use Unity Rule	
_____	Exact location of RAM (whether = or > than Category 3 or not)	
_____	Design of structure and/or equipment (site specific)	
_____	Information on nearby facilities	
_____	Detailed design drawings and/or performance information	
_____	Emergency planning and/or fire protection systems	
Specific guidance for medical, industrial and academic (above Category 3):		
_____	RAM quantities and inventory	
_____	Manufacturer's name and model number of sealed sources & devices	
_____	Site drawings with exact location of RAM, description of facility	
_____	RAM security program information (locks, alarms, etc.)	
_____	Emergency Plan specifics (routes to/from RAM, response to security events)	
_____	Vulnerability/security assessment/accident-safety analysis/risk assess	
_____	Mailing lists related to security response	
Branch Chief's and/or Sr. HP's Initials:	Date:	
GAC	6/18/07	

ARC

NRC FORM 313
110-2005
10 CFR 30.32-33
34.35.36.39 and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 10/31/2008

Estimated burden per response to comply with this mandatory collection request 4 4 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. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53) U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202 (3150-0120) Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor and a person is not required to respond to, the information collection.

APPLICATION FOR MATERIAL LICENSE

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:

IF YOU ARE LOCATED IN:

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

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

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION REGION IV
2443 WARRENVILLE ROAD, SUITE 210
LINCOLN, IL 62532-4352

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

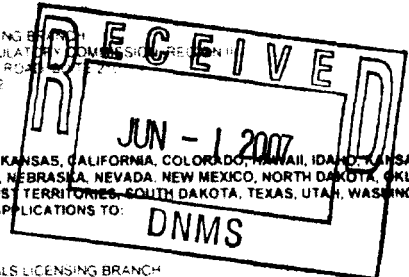
IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

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:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1411

NUCLEAR MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-4000



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
 C. RENEWAL OF LICENSE NUMBER

2. NAME AND MAILING ADDRESS OF APPLICANT (include ZIP code):
 Geoscience, PLLP
 2804 Louise Lane
 Billings, MT 59102

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED:
 2222 Woody Drive
 Billings, MT 59102
 Anywhere where NRC maintains jurisdiction for regulating the use of radioactive materials

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION:
 Jordan L. Grover
 TELEPHONE NUMBER:
 (406) 248-2648

5. RADIOACTIVE MATERIAL:
 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:

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE:

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS:

9. FACILITIES AND EQUIPMENT:

10. RADIATION SAFETY PROGRAM:

11. WASTE MANAGEMENT:

12. LICENSE FEE (See 10 CFR 170 and Section 170.31):
 FEE CATEGORY: 3P AMOUNT ENCLOSED: \$ 1,200.00

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: Jordan L. Grover, P.E., Principal - Owner
 SIGNATURE: *Jordan L. Grover*
 DATE: 05/31/2007

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
APPROVED BY					471390

Submitted To:
NRC Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

Submitted By:
Geoscience, PLLP
Attn: Jordan L. Grover
2804 Louise Lane
Billings, MT 59102
(406)-248-2648
g_science@msn.com

5. Radioactive Material – Sealed Sources and Devices

Device – Troxler model 3400 series gauge sealed source device.

a. Element and Mass Number	b. Chemical and/or physical form	c. Maximum amount that will be possessed at one time	Troxler Source Dwg.	Registry No.
Cs-137	Sealed Source	No single source to exceed 9 mCi	A-102112	NC-646-D-130-S
Am-241:Be	Sealed Source	No single source to exceed 44 mCi	A102451	

6. Purpose for Which the Licensed Material Will be Used.

A. To be used in Troxler model 3400 series gauge for measurement of physical properties of materials.

7. Individuals responsible for Radiation Safety Program and Their Training Experience

Before obtaining licensed materials, the proposed RSO will have successfully completed one of the training courses described in Criteria in the section entitled "Individual Responsible for Radiation Safety Program and Their Training and Experience – Radiation Safety Officer" in NUREG-1556, Vol. 1, Rev. 1, "Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses", dated November 2001.

Before being named as the RSO, future RSO's will have successfully completed one of the training courses described in Criteria in the section entitled "Individual Responsible for Radiation Safety Program and Their Training and Experience – Radiation Safety Officer" in NUREG-1556, Vol. 1, Rev. 1, "Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses", dated November 2001.

8. Training For Individuals Working In or Frequenting Restricted Areas (Instructions to Occupationally Exposed Workers and Ancillary Personnel).

Before using licensed materials, authorized users will have successfully completed one of the training courses described in Criteria in the section entitled "Training for Individuals Working In or Frequenting Restricted Areas" in NUREG-1556, Vol. 1, Rev. 1, "Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses", dated November 2001.

Submitted To:
NRC Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

Submitted By:
Geoscience, PLLP
Attn: Jordan L. Grover
2804 Louise Lane
Billings, MT 59102
(406)-248-2648
g_science@msn.com

9. Facilities and Equipment

No information needs to be submitted in response to this item; key issues are addressed under "Radiation Safety Program – Public Dose" and "Radiation Safety Program – Operating and Emergency Procedures."

10. Radiation Safety Program

A. Audit Program – Not required to submit at this time.

B. Termination of Activities – Not required to submit at this time.

C. Survey Meters

- i. We will maintain a survey meter for use in the event of an accident involving the gauge. The survey meter will be calibrated annually by the manufacturer and checked for functionality before use.

D. Material Receipt and Accountability

- i. Records of receipt, transfer, and disposal of gauges will be maintained for at least 3 years.
- ii. Physical inventories of sealed sources will be conducted at intervals not to exceed 6 months.

E. Occupational Dosimetry

- i. Either we will maintain, for inspection by NRC, documentation demonstrating individuals are not likely to receive a radiation dose in excess of 10 percent of the allowable limits in 10 CFR Part 20, or we will provide Dosimetry processed and evaluated by an approved NVLAP-approved processor that is exchanged at a frequency recommended by the processor.

F. Public Dose - Not required to submit at this time.

G. Operating and Emergency Procedures

- i. We will implement and maintain the operating and emergency procedures in Appendix H of NUREG-1556, Vol. 1, Rev. 1, dated November 2001, and provide copies of these procedures to all gauge users and at each job site.

Submitted To:
NRC Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

Submitted By:
Geoscience, PLLP
Attn: Jordan L. Grover
2804 Louise Lane
Billings, MT 59102
(406)-248-2648
g_science@msn.com

H. Sealed Source Leak Testing

- i. Leak tests will be performed at an intervals approved by the NRC and specified in the license using an approved kit in accordance with the kit suppliers instructions. Leak test samples will be analysed by an organization authorized by the NRC to provide leak test services.

I. Maintenance

- i. We will implement and maintain procedures for routine maintenance (cleaning and lubricating) of our gauges according to the manufacture's recommendations and instructions.
- ii. We will send the gauge to the manufacturer or person authorized by NRC to perform non-routine maintenance or repair operations that require removal of the source or source rod from the gauge.

J. Transportation

- i. We will implement and maintain safety programs that ensure gauges are transported in compliance with DOT regulations. This issue will be reviewed during an inspection.

K. Audit Program

- i. An audit of the radiation safety program content and implementation will be performed and documented annually. Records of audits will be maintained for at least 3 years. Corrective actions will be taken promptly to prevent recurrence of deficiencies.

L. Waste Management - Gauge Disposal and Transfer

- i. No response for this item required at this time.

M. License Fee

- i. Fee Category 3P - \$1200 sent to Fees Management Branch, NRC.

6-08-07
DATE

This is to acknowledge the receipt of your letter/application dated 5-31-07, and to inform you that the initial processing, which includes an administrative review, has been performed.

There were no administrative omissions. Your application will be assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

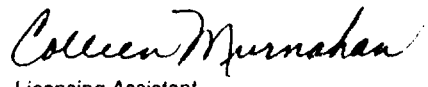
Please provide to this office within 30 days of your receipt of this card:

The action you requested is normally processed within 90 days.

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 471390.
When calling to inquire about this action, please refer to this mail control number.
You may call me at 817-860-8103.

Sincerely,



Licensing Assistant

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 3
Status Code: 3
Fee Category: _____
Exp. Date: 0
Fee Comments: _____
Decom Fin Assur Req'd: _____

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
Applicant/Licensee: GEOSCIENCE, PLLP
Received Date: 20070601
Docket No.: 3037480
Control No.: 471390
License No.: _____
Action Type: New Licensee

2. FEE ATTACHED

Amount: \$1200.00
Check No.: 1013

3. COMMENTS

Stamm mailed \$1200 check Signed *Anna Pruneda*
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 _____