

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: Wyoming Office of Homeland Security **License No.:** 49-08631-01
Docket No.: 030-07474 **Mail Control No.:** 471070
Type of Action: Amend **Date of Requested Action:** 08-01-06
Reviewer Assigned: **ARM reviewer(s):** Cook

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

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

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

Branch Chief's and/or Sr. HP's Initials: JAC **Date:** 8/9/06

SUNSI Screening according to RIS 2005-31

Yes No **Non-Publicly Available, Sensitive** if any 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: JAC **Date:** 8/9/06

Applicant Information:

Control No. 471070

Name: Wyoming Office of Homeland Security	Type of Request: Amend Program Code(s):
Location: WY	License No.: 49-08631-01 Docket No.: 030-07474

STEP 1—Radioactive Materials and Quantities Requested:

Instructions for Step 1: Complete Step 1 for all applications. If all your responses in Step 1 are "No" then do not complete Step 2 (Screening Criteria). Sign and date the completed step-sheet and add it as the sensitive and non-publicly available OAR in ADAMS. If a "yes" response is indicated for any item in Step 1, also complete Step 2. If the type of use is subject to a Security Order or the requirements for increased controls, complete Step 3 (Item A or Item B) without delay.		Yes or No
A.	The request is from a new applicant.	N
B.	NUREG-1556, Volume 20, Section 4.9 indicates a licensing site visit is needed for the requested type of use, e.g., (1) Type A broad scope license, (2) panoramic irradiator containing > 10000 curies, (3) manufacturers or distributors using unsealed radioactive material or significant quantities of sealed material, (4) radioactive waste brokers, (5) radioactive waste incinerators, (6) commercial nuclear laundries, and (7) any other application that in the judgement of the reviewer and cognizant supervisor involves complex technical issues, complex safety questions, or unprecedented issues that warrant a site visit.	N
C.	The applicant requested certain radionuclides and quantities that equal or exceed the Risk Significant Quantity (TBq) values in the table, below, that have been "highlighted" by the reviewer	N

Table of Risk Significant Quantities

(Category 2 Quantities, IAEA Safety Guide No. RS-G-1.9, Categorization of Radioactive Sources, August 2005)

Radionuclide	Risk Significant Quantity (TBq ¹)	Risk Significant Quantity (Ci ¹)	Radionuclide	Risk Significant Quantity (TBq ¹)	Risk Significant Quantity (Ci ¹)
Am-241	0.6	16	Pm-147	400	11,000
Am-241/Be	0.6	16	Pu-238	0.6	16
Cf-252	0.2	5.4	Pu-239/Be	0.6	16
Cm-244	0.5	14	Ra-226 ²	0.4	11
Co-60	0.3	8.1	Se-75	2	54
Cs-137	1	27	Sr-90 (Y-90)	10	270
Gd-153	10	270	Tm-170	200	5,400
Ir-192	0.8	22	Yb-169	3	81

¹ The primary values are TBq. The curie (Ci) values are for informational purposes only.
² The Atomic Energy Act, as amended by the Energy Policy Act of 2005, authorizes NRC to regulate Ra-226 and NRC is in the process of amending its regulations for discrete sources of Ra-226.

Calculations of the Total Activity or the Unity Rule are attached to document whether or not the screening criteria in Step 2 were also completed to evaluate the application. NOTE—If an amendment of an existing license is being requested, the calculations will include the previously authorized quantities for the radionuclide(s).	Yes, No, or Not Applicable (NA)
Total Activity—multiple activities are requested for a single radionuclide and the sum of the activities equals or exceeds the quantity of concern for the radionuclide	
Unity Rule—multiple radionuclides are requested and the sum of the ratios equals or exceeds unity, e.g., [(total activity for radionuclide A) + (risk significant quantity for radionuclide A)] + [(total activity for radionuclide B) + (risk significant quantity for radionuclide B)] ≥ 1.0.	

Signature and Date for Step 1:

[Handwritten Signature] 8/9/06
 License Reviewer and Date

Joe



THE STATE OF WYOMING

Office of Homeland Security

DAVE FREUDENTHAL
Governor

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DNMS

Joe Moore
Director

Telephone (307) 777-Home (4663)
Fax (307) 635-6017
Herschler Bldg., First Floor East, 122 W. 25th St., Cheyenne, Wyoming 82002

August 1, 2006

Nuclear Regulatory Commission
Material Licensing Branch
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011

Doc L2006-057

SUBJECT: Material License Amendment - License 49-08631-01

We are requesting the above materials license be amended as follows:

David R. Terman will be retiring at the end of September and we would like to change the RSO to Scott W. Ramsay. Scott is already on the license. We believe he has the requisite knowledge and experience to assume this duty.

If you have any questions or comments concerning this request, please contact either my self or Scott Ramsay at (307) 777-7197. Thank you in advance for your consideration of this matter.

David R. Terman

Radiation Safety Officer

Larry Majerus
Deputy Director

James McCameron
Bioterrorism Program Manager
(307) 777-5778

Kelly Ruiz
Public Information Officer
(307) 777-4909

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STATE OF WYOMING
OFFICE OF HOMELAND SECURITY
 122 WEST 25TH ST.
 HERSCHLER BUILDING, 1ST FLOOR EAST
 CHEYENNE WY 82002

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