

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: Dept of Army (Tooele Army Dept) **License No.:** SUC-1391
Docket No.: 040-08779 **Mail Control No.:** 461053
Type of Action: Amend **Date of Requested Action:** 07-25-06
Reviewer Assigned: ARM reviewer(s): Torres

ARC

Response	Deficiencies Noted During Acceptance Review
	<input 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 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:	<i>In form licensee in cover letter that TARSO are not listed on licenses.</i>

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

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: *ASTC* _____ **Date:** *8/4/06* _____

Pre-Licensing Screening

Applicant Information:

Control No. 461053

Name: Dept of Army (Tooele Army Dept)	Type of Request: /anebd Program Code(s):
Location: UT	License No.: SUC-1391 Docket No.: 040-08779

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.	NO
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.	NO
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	NO

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:

[Signature] 8/4/06

License Reviewer and Date

**DEPARTMENT OF THE ARMY**Tooele Army Depot
Tooele, Utah 84074Reply to
Attention of

SJMTE-CS-SO

25 July 2006

RTR

MEMORANDUM FOR: U.S. Nuclear Regulatory Commission Region IV, Material Radiation Protection Section, 611 Ryan Plaza Drive, Suite 400, Arlington, TX 76011, ATTN: Ms. Rachel Browder

SUBJECT: Request Amendment to Material License SUC-1391

1. Request amendment to subject license SUC-1391 to include the following changes.
 - a. Change License Renewal Supplement Item # 9 Facilities and Equipment, paragraph b. sentences 3 and 4 to read:

Tooele Army Depot will use radiation detection/survey meters that can detect alpha, beta or gamma and are commercially available. Survey meters will be calibrated in 180 days intervals or in accordance with the manufacture's recommendations, by TMDE at White Sands, NM or an accredited N.I.S.T traceable calibration lab.
 - b. Add Robyn McCown, Chief, Safety Office as the Alternate Radiation Safety Officer.
2. Rational for this request is as follows:
 - a. At this time Tooele Army Depot is using Ludlum model 3 survey meters as stated in the current license. As these instruments become non-repairable we will replace them with updated radiation detection meters that meet our requirements. This will eliminate the need to request an amendment to our license every time a meter is replaced.
 - b. Robyn McCown is serving as the ARSO and is currently not listed on our license.
3. Please address any questions and forward amended license to the attention of:

Glenna B. Smith
SJMTE-CS-SO
1 Tooele Army Depot, Bldg 400
Tooele, UT 84074-5003
4. Point of contact and current RSO is the undersigned at (435) 833-3486, e-mail, glenna.b.smith@us.army.mil.

Glenna Smith
Glenna Smith
Safety and Occupational Health Specialist

FAX TRANSMISSION FORM**TO:****DATE: July 25, 2006****NAME:** Colleen Murnahan**COMPANY:** NRC**DATE:** 7/25/06**FAX:** (817) 860-8263**NUMBER OF PAGES INCLUDING COVER: 2****FROM:****NAME:** Glenna Smith**PHONE:** (435) 833-3486**FAX:** (435) 833-3891**Please call if fax is not complete**

Colleen,

I am sending this amendment request to change the radiation detection equipment paragraph that specifies the use of "Ludlum Model 3" from License SUC- 1391 as per my conversation with Rachel Browder.

