

## ACCEPTANCE REVIEW MEMO (ARM)

Licensee: Dept of the Army

License No.: 42-01368-01

Docket No.: 030-03258

Mail Control No.: 471144

Type of Action: Amend

Date of Requested Action: 10-02-06

Reviewer Assigned:

ARM reviewer(s): Torres

*ATZ*

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'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)
- Yes  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: *ATZ*

Date: *10/16/06*

## Pre-Licensing Screening

### Applicant Information:

Control No. 471144

Name: Dept of the Army	Type of Request: Amend Program Code(s):	
Location: TX	License No.: 42-01368-01	Docket No.: 030-03258

### STEP 1—Radioactive Materials and Quantities Requested:

<b>Instructions for Step 1: Complete Step 1 for all applications.</b> 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 <sup>1</sup> )	Risk Significant Quantity (Ci <sup>1</sup> )	Radionuclide	Risk Significant Quantity (TBq <sup>1</sup> )	Risk Significant Quantity (Ci <sup>1</sup> )
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 <sup>2</sup>	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

<sup>1</sup> The primary values are TBq. The curie (Ci) values are for informational purposes only.

<sup>2</sup> 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. <b>NOTE—If an amendment of an existing license is being requested, the calculations will include the previously authorized quantities for the radionuclide(s).</b>	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:

A. J. T. 10/16/06

License Reviewer and Date



REPLY TO  
ATTENTION OF

**DEPARTMENT OF THE ARMY**

Brooke Army Medical Center  
FORT SAM HOUSTON, TEXAS 78234

2 October 2006

Health Physics Service

*RITC*  
U.S. Nuclear Regulatory Commission  
Nuclear Materials Licensing Section  
Attention: Ms. Rachel Browder  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-8064

Dear Ms. Browder:

This is a request to amend NRC License No. 42-01368-01. Please change Item #15 of License No. 42-01368-01. The BAMC Radiation Safety Officer will be changed to MAJ William Paul Argo effective 1 January 2007. MAJ Argo was previously on the NRC License as the RPO from April 1, 2004 until September 30, 2005. Please remove CPT Donald L. Crady, Jr. as Radiation Safety Officer effective 1 January 2007. Please feel free to contact me at (210) 295-2458 for additional information.

Sincerely,

DONALD L. CRADY, JR.  
CPT, MS  
BAMC, Health Physics

Copy Furnished:

Director, Proponency Office of Preventive Medicine-San Antonio,  
Attention: MCPO-SA, 2050 Worth Road, Suite 25, Fort Sam  
Houston, TX 78234-6025

Commander, U.S. Army Center for Health Promotion and Preventive  
Medicine, Attention: MCHB-TS-OHP, 5158 Blackhawk Road,  
Aberdeen Proving Ground, MD 21010-5403

471144

**From:** Jackie Cook  
**To:** Colleen Murnahan  
**Date:** 10/05/2006 9:51:42 AM  
**Subject:** Fwd: RE: Letter for MAJ Argo to Get Back on NRC License.

Colleen:

Please set up the action below as an amendment.

Thanks,

Jackie

>>> "Crady, Donald CPT BAMC-Ft Sam Houston TX" <Donald.Crady@CEN.AMEDD.ARMY.MIL>  
10/05/2006 9:14:15 AM >>>

Ms. Cook/Ms. Browder: Attached is the PDF file of the signed letter requesting that MAJ Argo be placed back on the BAMC NRC License. Please review it and let me know if it is OK. Thanks for your help.

Thank You,  
Donald L. Crady, Jr.  
CPT, MS  
Chief, Health Physics

-----Original Message-----

From: Jackie Cook [mailto:[JDC1@nrc.gov](mailto:JDC1@nrc.gov)]  
Sent: Wednesday, October 04, 2006 12:57 PM  
To: Crady, Donald CPT BAMC-Ft Sam Houston TX  
Subject: Re: Letter for MAJ Argo.

Cpt. Crady:

Please add a sentence clarifying that Major Argo has been listed on the license previously as RSO given us the specific dates he was listed on this license.

Thanks,

Jackie

>>> "Crady, Donald CPT BAMC-Ft Sam Houston TX"  
<[Donald.Crady@CEN.AMEDD.ARMY.MIL](mailto:Donald.Crady@CEN.AMEDD.ARMY.MIL)> 10/04/2006 12:50 PM >>> Ms. Cook:  
This is the letter.

Thanks,  
Donald L. Crady, Jr.  
CPT, MS  
Chief, Health Physics



DEPARTMENT OF THE ARMY  
BROOKE ARMY MEDICAL CENTER  
3851 ROGER BROOKE DRIVE  
FORT SAM HOUSTON, TEXAS 78234-6200

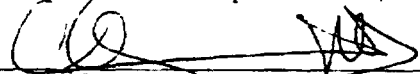
REPLY TO  
ATTENTION OF


11 October 2006

Memo To: Radiation Safety Officer  
From: Chief Executive Officer  
Subject: Delegation of Authority

You, William Paul Argo, have been appointed Radiation Safety Officer and are responsible for ensuring the safe use of radiation. You are responsible for managing the radiation protection program; identifying radiation protection problems; initiating, recommending, or providing corrective actions; verifying implementation of corrective actions; stopping unsafe activities; and ensuring compliance with regulations. You are hereby delegated the authority necessary to meet those responsibilities, including prohibiting the use of byproduct material by employees who do not meet the necessary requirements and shutting down operations where justified by radiation safety. You are required to notify management if staff do not cooperate and do not address radiation safety issues. In addition, you are free to raise issues with the Nuclear Regulatory Commission at any time. It is estimated that you will spend 40 hours per week conducting radiation protection activities.

I accept the above responsibilities,

  
Signature of Management Representative

  
Signature of Radiation Safety Officer

11 October 2006  
Date

13 October 2006  
Date

cc:

Director, Proponent Office of Preventive Medicine-San Antonio,  
Attention: MCPO-SA, 2050 Worth Road, Suite 25, Fort  
Sam Houston, TX 78234-6025

Commander, U.S. Army Center for Health Prevention and Preventive  
Medicine, Attention: MCHB-TS-OHP, 5158 Blackhawk Road,  
Aberdeen Proving Ground, MD 21010-5403

10/17/06

DATE

This is to acknowledge the receipt of your letter/application dated 10-02-06, and to inform you that the initial processing, which includes an acceptance 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 in 90 days.

A copy of your action has been forwarded to the NRC Office of the Chief Financial Officer, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 471144.

When you call to inquire about this action, please refer to this mail control number.

You may call me at 817-860-8103.

Sincerely,

*Colleen Murnahan*  
Licensing Assistant

BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

(FOR LFMS USE)  
-----  
INFORMATION FROM LTS

Program Code: 02230  
Status Code: 0  
Fee Category: 7B EX 2B  
Exp. Date: 20110731  
Fee Comments:  
Decom Fin Assur Req'd: Y

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: ARMY, DEPARTMENT OF THE  
Received Date: 20061005  
Docket No: 3003258  
Control No.: 471144  
License No.: 42-01368-01  
Action Type: Amendment

2. FEE ATTACHED

Amount: \_\_\_\_\_  
Check No.: \_\_\_\_\_

3. COMMENTS

Signed *[Signature]*  
Date *[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 \_\_\_\_\_