ACCEPTANCE REVIEW MEMO (ARM)

Licensee:	American Red Cross Blood Services	License No.: 25-27425-01
Docket No.:	030-32627	Mail Control No.: 471423
Type of Action	on: Amend	Date of Requested Action: 05-25-07
Reviewer Assigned:		ARM reviewer(s): Cook
Response	Deficiencies Note	ed During Acceptance Review
	[] Submit copies of most recent [] Add - delete IC license condit	s. Limit possession. Submit inventory. leak test results. ion. Add IC paragraph in cover letter. any type-amount of EPAct Material.
	* Submit T&E from licensee for * Obtain signature for amendme	
Reviewer's I	nitials:	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	s from date of expiration
□Yes □No	Expedite (medical emergency, license, RAM in possession no	, no RSO, location of use/storage not on ot on license, other)
□Yes □No	TAR needed to complete action	on.
Branch Chi	ef's and/or Sr. HP's Initials:	Date:
/	SUNSI Screening acco	
☐Yes ☑No General guid	•	sitive if any item below is checked
General guid		nent (site specific) performance information
Specific guid	_Site drawings with exact location of	number of sealed sources & devices of RAM, description of facility

Vulnerability/security assessment/accident-safety analysis/risk assess

Date:

Mailing lists related to security response

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

Pre-Licensing Screening

Applicant Information:	Control No. 47 1423		
Name: American Red Cross Blood Services	Type of Request: Amend Program Code(s):		
Location: MT	License No.: 25-27425-01	Docket No.: 030-32627	

Yes or

STEP 1-Radioactive Materials and Quantities Requested:		
(Screeni	tions for Step 1: Complete Step 1 for all applications. If all your responses in Step 1 are "No" then do not complete Step 2 ing Criteria). Sign and date the completed step-sheet and add it as the sensitive and non-publicly available OAR in ADAMS. If a sponse 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 nents for increased controls, complete Step 3 (Item A or Item B) without delay.	
A.	The request is from a new applicant.	

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.

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

Table of Risk Significant Quantities

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(Category 2 Quantities, IAEA Safety Guide No. RS-G-1.9, Categorization of Radioactive Sources, August 2005) Risk Significant Risk Significant Radionuclide Risk Significant Risk Significant Radionuclide Quantity (Ci1) Quantity (TBq1) Quantity (Ci1) Quantity (TBq1) 400 11,000 0.6 16 Pm-147 Am-241 16 Pu-238 0.6 16 Am-241/Be 0.6 5.4 Pu-239/Be 0.6 16 Cf-252 0.2 Ra-226² 0.4 11 0.5 Cm-244 14 0.3 8.1 Se-75 2 54 Co-60 27 Sr-90 (Y-90) 10 270 Cs-137 1 Tm-170 200 5,400 Gd-153 10 270

The primary values are TBq. The curie (Ci) values are for informational purposes only. 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.

Yb-169

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:

lr-192

C.

License Reviewer and Date



Memorandum

To:

NRC, Region IV

From:

Rhona D'Antuono, RSO Lab Site Manager

Date:

05/25/2007

Re:

Request to Change RSO

This is a request to change the RSO for license number 25-27425-01 from Kendra D. Boland to Rhona R. D'Antuono. If you need any additional information in regards to this request please contact Rhona D'Antuono at 1-406-727-2212 ext.22.

Thank you for attention to this matter,

Rhona D'Antuono

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DATE

This is to acknowledge the receipt of your letter/application dated 5-25-07, and to inform you that the initial processing, which includes an administrative review, has been performed.

M	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. Attempting to Contact R50 to require additional information. Please provide to this office within 99 days of your receipt of this card: ASAP Also submit T+E for
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**When calling to inquire about this action, please refer to this mail control number. You may call me at 817-860-8103.

NRC FORM 532 (RIV) (10-2006)

Regional Licensing Sections License Fee Management Branch, ARM BETWEEN: LICENSE FEE TRANSMITTAL A. REGION 3. COMMENTS ? B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered $/_/$) Ψ APPLICATION ATTACHED
Applicant/Licensee: A
Received bate:
Pocket No:
Control No.:
License No.:
Action Type: FEE ATTACHED
Amount:
Check No.: Correct Fee Paid. Application may be processed for: Fee Category and Amount: OTHER Renewal License - AMERICAN RED CROSS BLOOD SERVICES 20070706 3032627 471423 25-27425-01 Amendment Signed Date Signed Date Program Code: 03510 Status Code: 0 Fee Category: 3E Exp. Date: 20121031 Fee Comments: Decom Fin Assur Regd: N (FOR LFMS USE)
INFORMATION FROM LTS