

Technical Safety Office

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Director

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Radiation Safety and Hazardous Waste Biological and Infectious Waste Management

RECEIVED

AUG 0 4 2010

DNMS

29 July, 2010

Rachel S. Browder, C.H.P. Senior Health Physicists Nuclear Material Safety Branch B Region IV Arlington, Texas 76011

Dear Ms. Browder:

We request that the possession limit of Th-232 for which Idaho State University is authorized under NRC License No. 11-27380-01 be increased from 2 kg to a total of 8 kg. Under this request, we wish to be authorized to have a total of 4-kg of Th-232 in metallic form under section 6(T) of the current license. The remainder 4-kg will be used in various Thorium solutions; this may need to be authorized in a different license section.

Idaho State University currently is in possession of 1.5 kg of Th-232 in metallic form which is being employed by one researcher interested in contraband detection technology. A second researcher interested in detector development is interested in obtaining a separate supply of Th-232. This will be obtained from the Department of Energy, but it will only be provided in 1.7 kg quantities.

If approved, aliquots of the Th-232 in metallic form will eventually be sent to a third licensed group. This third party will plate various detector materials with Th-232 as part of efforts at detector development. While in the possession of ISU there is no current plan to manipulate this additional quantity of metallic Th-232 in any chemical or physical way, beyond separation into smaller aliquots suitable for application. It is possible that some of this material not used for detector development may be employed in other contraband detection experiments. Mainly, however, this material will be stored as stock material to be employed in various detector development schemes. The additional 2 kg in any form will apply to various thorium compounds that may be obtained as reagent stock.

We thank you in advance for your timely consideration and positive action on this request.

Sincerely,

Pamela L. Crowell, Pn.D. Vice President for Research Idaho State University

Jamela & Crowell

Murnahan, Colleen

From:

Browder, Rachel

Sent:

Friday, July 30, 2010 7:59 AM

To:

Whitten, Jack; Cook, Jackie; Torres, RobertoJ; Murnahan, Colleen

Subject:

FW: Request for NRC License ammendment

Attachments:

Request for license ammendment 29jul2010.pdf; ATT00001.txt

I received the attached request for license amendment from ISU. Can you please process?

In addition, Dr. Brey told me that his response to our RAI on the accelerator was mailed certified mail yesterday, July 29. When we receive that letter, I'll discuss w/Jack on our response if any. This is the issue where we were thinking that their activities could be conducted under their research authorization.

Thank you, Rachel

----Original Message-----

From: Richard R Brey [mailto:brey@athena.physics.isu.edu]

Sent: Thursday, July 29, 2010 6:24 PM

To: Browder, Rachel; crowpame@isu.edu; huntalan@athena.physics.isu.edu; tony Forest; shiemalc@isu.edu

Subject: Request for NRC License ammendment

Attached is a copy of a request for amendment for our USNRC License 11-27380-01 which was found to be necessary.

Richard R. Brey, Ph.D., C.H.P. Professor of Physics Director, ISU Health Physics Program Director, ISU Technical Safety Office, R.S.O.

8-18-2010

This is to acknowledge the receipt of your letter/application dated $\frac{7-29-2000}{}$, and to inform you that the initial processing, which includes an administrative review, has been performed.

Ø	There were no administrative omissions. Your application will be assigned to a technical reviewer. Please note that the technical review may identify other 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.		
Who	Your action has been assigned Mail Control Number 573330 When calling to inquire about this action, please refer to this mail control number. You may call me at 817-860-8103.		
	Sincerely,		
NDO	FORM 532 (RIV) Licensing Assistant		
	FORM 532 (RIV) LICENSING ASSISTANT (2008)		

BETWEEN:

Accounts Receivable/Payable and Regional Licensing Branches

[FOR ARPB USE]
INFORMATION FROM LTS

Program Code: 01100

Status Code: Pending Amendment

Fee Category: 1D 2C 3L 3P

Exp. Date: Fee Comments:

Decom Fin Assur Reqd: Y

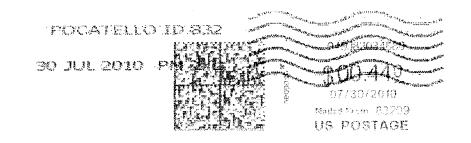
License Fee Worksheet - License Fee Transmittal

Date:

LICCHSC I GG	Worksheet - License i ee Transmittar
A. REGION	
1. APPLICATION A Applicant/License Received Date: Docket Number: Mail Control Num License Number: Action Type:	ee: IDAHO STATE UNIVERSITY 08/04/2010 3032322 mber: 573330
2. FEE ATTACHED Amount: Check No.:	
3. COMMENTS	
	Signed: Calleen Murnahan Date: 8-16-2010
B. LICENSE FEE M. 1. Fee Category and	MANAGEMENT BRANCH (Check when milestone 03 is entered / /)
	d. Application may be processed for:
License:	
B. OTHER	
	Signed:

Idaho State University

Health Physics
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APHYOI



Rachel S. Browder, C.H.P. Senior Health Physicists Nuclear Material Safety Branch B Region IV Arlington TX 76011

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