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**THE CATHOLIC UNIVERSITY OF AMERICA**

*Environmental Health and Safety  
Washington, DC 20064  
Tel. 202-319-5789  
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U.S. Nuclear Regulatory Commission, Region 1  
2100 Renaissance Boulevard, Suite 100  
King of Prussia, PA 19406-2713

February 5, 2014

License No. 08-02075-03  
Docket No. 030-00638  
Control No. 143436 (Ref.) RLS

Dear Sir or Madam,

In accordance with the July 31, 2013 correspondence to the NRC, The Catholic University of America respectfully submits the following amendment request to our radiation safety manual. Attached is a list of four line items that we are requesting to amend.

Please feel free to contact myself directly, Mr. Alar or Mr. Haleem with any inquiries or questions regarding this request. We thank you for your assistance.

Sincerely,

Mr. Jerry Conrad  
Associate Vice President,  
Facilities Operations

CC:

Mr. Louis P. Alar, Director, Environmental Health and Safety  
Dr. Aaron Barkatt, Chairperson, Radiation Safety Committee  
Mr. Mahmoud Haleem, Radiation Safety Officer, Environmental Health and Safety

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NMSS/RONI MATERIALS

Line item # 3

Table 9.3.3

**Table 9.3.3**  
Occupational dose limits

ORGAN	10 CFR 20 Annual Limit mrem (mSv)	CUA Annual Limit mrem (mSv)
Total Effective Dose Equivalent:		
-for an adult individual-	5,000 (50)	500 (5)
-for a minor-	500 (5)	500 (5)
-for a declared pregnant woman-	500 (5)	500 (5)
Eye dose equivalent:	15,000 (150)	1,500 (15)
Shallow dose equivalent to the skin or to any extremity:	50,000 (500)	5,000 (50)

Change the third heading of column 3 (CUA annual Limit) to **CUA ALARA Goal**

Line item #4

Section 9.3.3.1

External Exposure (The last paragraph of the section)

If an individual receives a monthly external exposure in excess of **40 mrem (0.4 mSv)** limit, an investigation shall be conducted by the RSO and responsible Authorized User to determine the cause.

The changes would be as follow:

If an individual receives a quarterly external exposure in excess of **125 mrem (1250  $\mu$ Sv)** limit, an investigation shall be conducted by the RSO and responsible Authorized User to determine the cause.

LINE ITEM # 1

Section 9.2.5.1

Consignment

Shipment of radioactive material intended for Authorized Users at CUA shall be delivered to

The Catholic University of America  
Radiation Safety Office  
Pangborn Hall  
620 Michigan Ave., N.E.  
Washington, D.C 20064

The new address is

The Catholic University of America  
Radiation Safety Office, Room 238  
Marist Annex  
620 Michigan Ave., N.E.  
Washington, D.C. 20064

LINE ITEM # 2

Section 9.3.3, third paragraph:

To maintain CUA personnel exposures ALARA and ensure compliance with federal limits, the annual CUA Occupational dose limit for all individuals (minor, adults and declared pregnant women) shall be 500 mrem (5 mSv) TEDE. Furthermore, the CUA occupational dose limit for exposure to the lens of the eye, skin, and extremities shall be 10% of the applicable federal limits. Table 9.3.3 presents the federal and CUA occupational exposure limits herein described (expressed in both millirems and milliSieverts).

The amended paragraph is:

To maintain CUA personnel exposures ALARA and ensure compliance with federal limits, the annual CUA occupational ALARA goal for all individuals (minors, adults and declared pregnant women) shall be 500 mrem (5 mSv) TEDE. Furthermore, the CUA occupational ALARA goals for dose to the lens of the eye, skin, and extremities shall be 10% of the applicable federal limits. Table 9.3.3 presents the federal dose limits and CUA occupational ALARA goals herein described (expressed in both millirems and milliSieverts).

This is to acknowledge the receipt of your letter/application dated

2/5/14, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Amendment (08-02075-03)  
There were no administrative omissions. Your application was 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

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** 583228.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.