



**THE CATHOLIC UNIVERSITY OF AMERICA**

*Environmental Health and Safety  
Washington, DC 20064  
202-319-5500  
Fax 202-319-4446*

March 25, 2015

**License No.** SUD-157

**Docket No.** 040-06329

**Daniel Collins  
Director, DNMS  
United States Nuclear Regulatory Commission-Region I  
2100 Renaissance Blvd. Suite 100  
King of Prussia, PA 19406-2713**

Dear Mr. Collins,

Enclosed is the final radiation survey report performed by The Catholic University of America to support release of the referenced laboratory rooms in Maloney Hall on the CUA campus. The surveys were based on MARSSIM approach and used a Derived Concentration Guideline level (DCGL) of 880 dpm/100cm<sup>2</sup> for natural thorium.

This survey report is being submitted to enable NRC to evaluate the survey methodology and the calculated DCGL used in the survey in order to determine if the DCGL is acceptable as described to justify release of the labs for unrestricted use. It is important that the survey report be evaluated and any concerns identified as soon as possible, and in order to support the anticipated remodeling work of these labs which could occur as early as December 2015.

Please note that in room 213 only sealed sources were utilized (C0-57, Sn-119m and Sm-151) in conjunction with Mossbauer studies and the operation ceased back in 2012 in which the RSO took custody of the sources. In rooms 4 and 7 only depleted uranium was used in small quantities (few milligrams) in water in which the researcher was trying to mimic the level of uranium in sea water. The operation ceased in 2014 when the University terminated the use of building due to general safety related issues. The building will be remodeled and refurbished as offices and classes.

If you have any questions or need further information, please contact me at 202-319-5500 and email [conradj@cua.edu](mailto:conradj@cua.edu) or the Radiation Safety Officer, Mr. Mahmoud S. Haleem at 202-319-5206 and email [Haleem@cua.edu](mailto:Haleem@cua.edu).

Sincerely,

Mr. Jerry Conrad  
Associate Vice President for Facilities Operations

Cc: Mr. Louis P. Alar, Director, Environmental Health & Safety  
Mr. Mahmoud S. Haleem, Radiation Safety Officer  
Dr. Aaron Barkatt, Chair, Radiation Safety Committee

Enclosure: Electronic Copy of the report