

U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. The Catholic University of America Department of Environmental Health & Safety</p> <p>2. 620 Michigan Ave. N.E. Washington D.C. 20064</p>	<p>In accordance with the letter dated March 25, 2015,</p> <p>3. License number SUD-157 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date September 30, 2023</p> <hr/> <p>5. Docket No. 040-06329</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Natural Uranium</p> <p>B. Depleted Uranium</p> <p>C. Natural Thorium</p> <p>D. Thorium 232</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 40 kilograms</p> <p>B. 40 kilograms</p> <p>C. 50 kilograms</p> <p>D. 50 kilograms</p>
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9. Authorized use:

A. through D. Research and development in radioactive waste treatment technology; teaching and training of students.

CONDITIONS

- 10. Licensed material may be used or stored only at the licensee's facilities located at 620 Michigan Avenue, N.E., Washington D.C.
- 11. Licensed material shall be used by, or under the supervision of, individuals designated in writing, by the Radiation Safety Committee. The licensee shall maintain records of individuals designated as users for three years following the last use of licensed material by that individual.
- 12. The Radiation Safety Officer for this license is Mahmoud S. Haleem.
- 13. The licensee shall not use licensed material in or on human beings.
- 14. The licensee shall not use licensed material in field applications where it is released except as provided

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
SUD-157

Docket or Reference Number
040-06329

Amendment No. 16

otherwise by specific condition of this license.

15. Notwithstanding the requirements of License Condition 17, the licensee is authorized to make program changes and changes to procedures specifically identified in the condition, which were previously approved by the U.S. Nuclear Regulatory Commission and incorporated into the license without prior Commission approval as long as:
- A. The proposed revision is documented, reviewed, and approved by the licensee's Radiation Safety Committee in accordance with established procedures prior to implementation.
 - B. The revised program is in accordance with regulatory requirements, will not change the license conditions, and will not decrease the effectiveness of the Radiation Safety Program.
 - C. The licensee's staff is trained in the revised procedures prior to implementation.
 - D. The licensee's audit program evaluates the effectiveness of the change and its implementation.
16. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
17. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Letter dated June 3, 2013 (ML13168A240)
 - B. Letter dated September 12, 2013 (ML13262A201)

For the U.S. Nuclear Regulatory Commission

Original signed by Dennis R. Lawyer

Date May 20, 2015

By _____

Dennis R. Lawyer
Commercial, Industrial, R&D and Academic Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406