

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, 37, 39, 40, 70 and 71, 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.

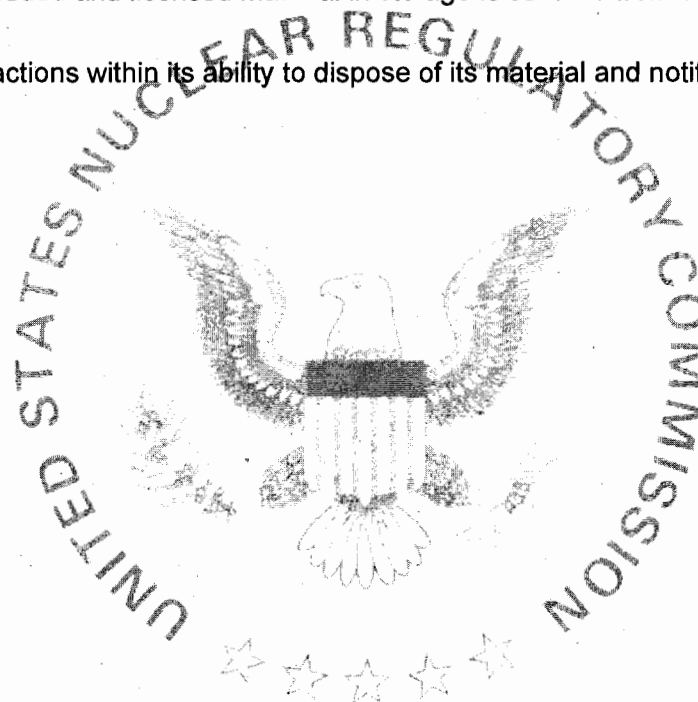
Licensee 1. Jackson Community College 2. 2111 Emmons Road Jackson, MI 49201		In accordance with letter dated January 25, 2016, 3. License number: SNM-1171 is renewed in its entirety to read as follows:	4. Expiration Date: July 31, 2018 5. Docket No.: 070-01228 Reference No.:
6. Byproduct, source, and/or special nuclear material A. Cobalt-60	7. Chemical and/or physical form A. Sealed Sources	8. Maximum amount that licensee may possess at any one time under this license A. 110 microcuries total	9. Authorized use A. Possession and storage only with intent to dispose.
CONDITIONS			
10. Licensed material may be used or stored at the licensee's facilities located at Physics Department, McDivitt Science Hall, Jackson, Michigan, 49201.			
11. A. Licensed material shall only be used by, or under the supervision and in the physical presence of Chris De Marco. B. The Radiation Safety Officer for this license is Chris De Marco.			
12. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.			

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- B. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source received from another person shall not be put into use until tested.
- C. Sealed sources need not be leak tested if they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50 (c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- E. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
- F. Records of leak test results shall be kept in units of microcuries and shall be maintained for three years.
13. Licensed material shall not be used in or on human beings.
14. Sealed sources containing licensed material shall not be opened.
15. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under this license.

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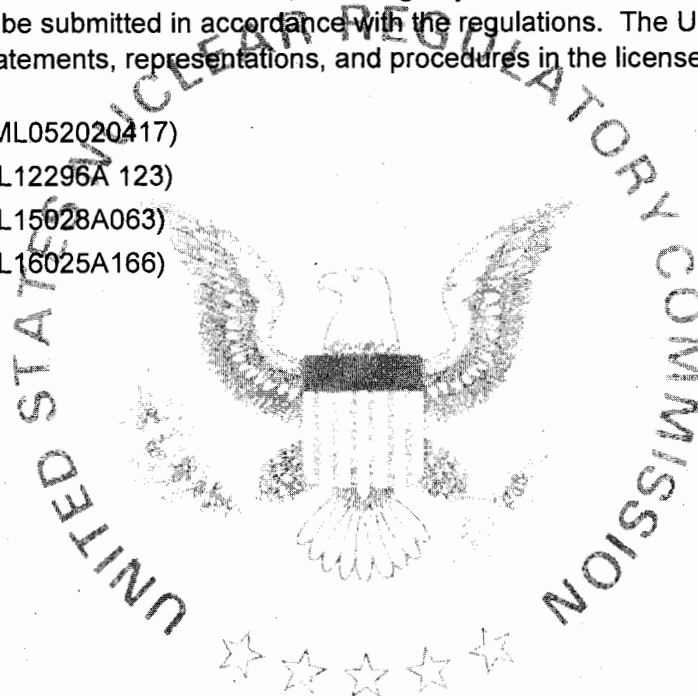
16. The licensee shall develop and implement and maintain written procedures for licensed material accountability and control to ensure that license possession limits are not exceeded and licensed material in storage is secured from unauthorized access or removal.
17. The licensee will continue to take all actions within its ability to dispose of its material and notify NRC within 30 days if disposal is achieved.



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18. 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. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. 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. Application dated July 18, 2005 (ML052020417)
- B. Letter dated October 22, 2012 (ML12296A 123)
- C. Letter dated January 27, 2015 (ML15028A063)
- D. Letter dated January 25, 2016 (ML16025A166)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: September 21, 2017By: Cassandra F. Frazier
Region 3