

CORRECTED COPY

MATERIALS LICENSE

Amendment No. 23

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, 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.

Licensee		In accordance with the letter dated May 13, 1994, 3. License number 08-01738-03 is amended in its entirety to read as follows:	
1. Department of the Army Walter Reed Army Medical Center			
2. Washington, D.C. 20307-5001		4. Expiration date November 30, 1996	
		5. Docket or Reference No. 030-06895	
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license	
A. Cobalt 60	A. Sealed sources	A. Not to exceed 3500 curies per source and 70,000 curies total	
B. Cesium 137	B. Sealed sources	B. Not to exceed 2,100 curies per source and 8,400 curies total	
C. Cesium 137	C. Sealed sources	C. Not to exceed per source and total	
9. Authorized use			
A. In AECL Gammacell Model 220 Irradiator(s) for the irradiation of material except explosives, flammables, or corrosives.			
B. In AECL Gammacell Model 40 Irradiator(s) for the irradiation of material except explosives, flammables, or corrosives.			
C. In _____ Irradiator(s) for the irradiation of material except explosives, flammables, or corrosives.			

CONDITIONS

- 10. Licensed material may be used only at the licensee's facilities located at Walter Reed Army Medical Center, Washington, D.C.
- 11. A. Licensed material shall only be used by, or under the supervision of, individuals who have received the training described in application dated March 18, 1991 and have been designated in writing by the Radiation Safety Officer.
- B. The Radiation Safety Officer for this license is LTC William B. Johnson.
- 12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.

Information in this record was generated in accordance with the Freedom of Information Act, exemptions 2
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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

08-01738-03

Docket or Reference number

030-06895

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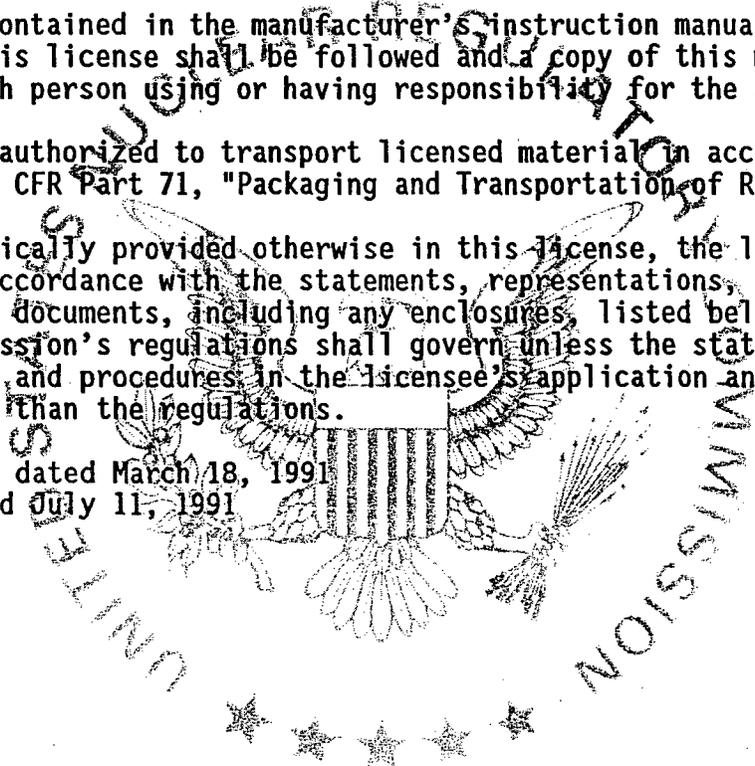
13. A. Sealed sources and detector cells containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed three years.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed three months.
- C. In the absence of a certificate from a transferor indicating that a leak test has been made within six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources and detector cells need not be leak tested if:
- (i) they contain only hydrogen-3; or
 - (ii) they contain only a radioactive gas; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (v) 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 transfer 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 or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source or detector cell shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within five days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406. The report shall specify the source or detector cell involved, the test results, and corrective action taken.
- G. The licensee is authorized to collect leak test samples for analysis by licensee. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.

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SUPPLEMENTARY SHEET**

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14. The licensee shall not perform repairs or alterations of the irradiator involving removal of shielding or access to the licensed material. Removal, replacement, and disposal of sealed sources in the irradiator shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
15. The licensee shall conduct a physical inventory every six months to account for all sealed sources and devices containing licensed material received and possessed under the license.
16. The procedures contained in the manufacturer's instruction manual for the irradiator authorized by this license shall be followed and a copy of this manual shall be made available to each person using or having responsibility for the use of the device.
17. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
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. The 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 March 18, 1991
 - B. Letter dated July 11, 1991



For the U.S. Nuclear Regulatory Commission

Original Signed By:
Duncan White

By

Nuclear Materials Safety Branch
Region I
King of Prussia, Pennsylvania 19406

Date JUN 30 1995

JUN 30 1995

LTC William B. Johnson
Radiation Safety Officer
Department of the Army
Walter Reed Army Medical Center
Washington, D. C. 20307-5001

Dear LTC Johnson:

Enclosed is the Corrected Copy of Amendment No. 23 for License No. 08-01738-03. In accordance with the information you provided our inspector during the recent inspection of your licensed program, License Condition 6.A. has been changed from Cesium 137 to Cobalt 60.

We apologize for any inconvenience this error may have caused.

Sincerely,

Original Signed By:
Duncan White
Walter J. Pasciak, Chief
Industrial Applications Section
Division of Radiation Safety
and Safeguards

Docket No. 030-06895
License No. 08-01738-03
Control No. 119857

cc:
District of Columbia

Enclosure:
Corrected Copy of Amendment No. 23

DOCUMENT NAME: R:\WPS\MLTR\L0801738.03

OFFICE	DRSS/RI <i>WJ</i>	DRSS/RI <i>WJ</i>	DRSS/RI	DRSS/RI
NAME	AKirkwood/ask	WPasciak		
DATE	06/30/95	06/30/95	06/ /95	06/ /95

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