

MATERIALS LICENSE

Amendment No. 06

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 1, Parts 30, 31, 32, 33, 34, 35, 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 application dated July 5, 1989,	
1. General Electric Company		3. License number 37-02006-09 is amended in its entirety to read as follows:	
2. P. O. Box 8555 Philadelphia, Pennsylvania 19101		4. Expiration date	November 30, 1992
		5. Docket or Reference No.	030-12894
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 (AECL Model C-166, C-167, or C-198)	A. Not to exceed (b)(2)High curies and (b)(2)High curies total	
9. Authorized use			
A. For use in AECL Model Gammacell 220 Irradiator for irradiation of materials. JW			

CONDITIONS

- 10. Licensed material shall be used only at 780 Third Avenue, King of Prussia, Pennsylvania.
- 11. A. Licensed material shall be used by individuals designated by the Ionizing Radiation Advisory Group, S. J. Mucha, M.D., Chairman.
B. The Radiation Safety Officer for this license is A. W. Kobylinski.
- 12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.
- 13. A. Any sealed sources or detector cells specified in Items 7.A. shall be tested for leakage and/or contamination at intervals not to exceed 6 months. Any source or detector cell received from another person which is not accompanied by a certificate indicating that a test was performed within 6 months before the transfer shall not be put into use until tested.
B. Any sealed source or detector cell in storage and not being used need not be tested. When the source or detector cell is removed from storage for use or transfer to another person, it shall be tested before use or transfer.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number	37-02006-09
Docket or Reference number	030-12894
Amendment No. 06	

(13. Continued)

CONDITIONS

- C. 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, the source or detector cell shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. A report shall be filed within 5 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 involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.
- D. 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.
- 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 a person specifically licensed by the Commission or an Agreement State to perform such services.
- 15. 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 August 28, 1987
 - B. Letter dated July 5, 1989

Date

SEP 06 1989

For the U.S. Nuclear Regulatory Commission
Original Signed By:
Jack Davis
By _____
Nuclear Materials Safety Branch
Region I
King of Prussia, Pennsylvania 19406

SEP 06 1989

License No. 37-02006-09
Docket No. 030-12894
Control No. 111022

General Electric Company
Spacecraft Operation, Valley Forge
ATTN: Alfred W. Kobylinski
P. O. Box 8555
Philadelphia, Pennsylvania 19101

Gentlemen:

Please find enclosed an amendment to your NRC Material License.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the Region I Material Licensing Section, (215) 337-5239, so that we can provide appropriate corrections and answers.

Please be advised that you must conduct your program involving licensed radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, please note the items in the enclosed, "Requirements for Materials Licensees."

Since serious consequences to employees and the public can result from failure to comply with NRC requirements, the NRC expects licensees to pay meticulous attention to detail and to achieve the high standard of compliance which the NRC expects of its licensees.

You will be periodically inspected by NRC. A fee may be charged for inspections in accordance with 10 CFR Part 170. Failure to conduct your program safely and in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in prompt and vigorous enforcement action against you. This could include issuance of a notice of violation, or in case of serious violations, an imposition of a civil penalty or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

General Electric Company

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We wish you success in operating a safe and effective licensed program.

Sincerely,

Original Signed By:
Jack Davis

Jack Davis
Nuclear Materials Safety Section C
Division of Radiation Safety
and Safeguards

Enclosures:

1. Amendment No. 06
2. Requirements for Materials Licensees

DRSS:RI
Davis/pmb/k1

9/6/89

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ML 37-02006-09/LTR - 0002.0.0
08/21/89



GE Aerospace

General Electric Company
P.O. Box 8555, Philadelphia, PA 19101

030-12894

July 5, 1989

U.S. Nuclear Regulatory Commission
Division of Radiation Safety & Safety
Region 1
475 Allendale Road
King Of Prussia, PA 19460

Log	Jul 23
Re: Dept.	Dep. Elec. Co.
Check No.	R174233
Amount	\$120
Fee Category	3E
Type of Fee	AMD
Date Check Rec'd.	7/20
Date Completed	7/26/89
By:	Jackson/Free

Reference: Irradiator License 37-02006-09
Docket or reference No. 030-12894

Gentlemen:

General Electric Co. Aerospace requests an amendment to the above referenced license to permit the recharging of one of our two Gammacell 220 irradiators with ^{(b)(4)} curies (plus or minus 10%) of Cobalt-60. This amendment should also include changing the sealed source model number from C-166 or C-167 to C-198. The recharging activity will be conducted by the Gammacell manufacturer, Nordian International, at their facility in Kanata, Ontario, Canada.

Related to the above request, a recent review of both our Gammacell 220's against records from the manufacturer indicates that both units currently contain model number C-198 sources. Thus, there is an inaccuracy in our license that apparently dates back to the original application made in 1977. However, the manufacture has indicated that there is no possible way to verify what source model number is in a particular unit without removing the source pencils.

We have discussed this situation with representatives from Nordian and they informed us that source C-198 is an improved version of the older C-166 and C167 models. The improvement apparently involves better source encapsulation capability for the C-198's. As a result, the error in our license does not represent any additional safety risk. However, since both our Gammacell 220's contain and will continue to contain source model number C-198 we request that our license be amended to reflect this situation.

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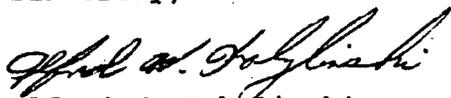
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Included with this request is a check for \$120.00 to cover the cost of this category 3E amendment.

Sincerely,


Alfred W. Kobylinski
Senior Industrial Hygienist
Radiation Safety Officer

cc: S.J. Mucha, M.D.
C.B. Chilton
D.M. Sternberg
L.C. Jeffers
J.L. Andrews
W.P. Thompson

