

CORRECTED COPY

MATERIALS LICENSE

Amendment No. 10

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 letter dated October 14, 1992,	
1. Martin Marietta Corporation		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 May 31, 1998	
		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. (b)(2)High 1 curies per source and (b)(2)High curies total	

9. Authorized use

A. For use in AECL Model Gammacell 220 Irradiator for irradiation of materials except explosives and flammable materials.

CONDITIONS

- 10. Licensed material shall be used only at 230 Goddard Boulevard, 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 John Andrews.
- 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. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed 3 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 3 months.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

37-02006-09

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030-12894

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(13. continued)

CONDITIONS

- C. In the absence of a certificate from a transferor indicating that a 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 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. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. 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 shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The 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.
- G. The licensee is authorized to collect leak test samples for analysis by the 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.
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.

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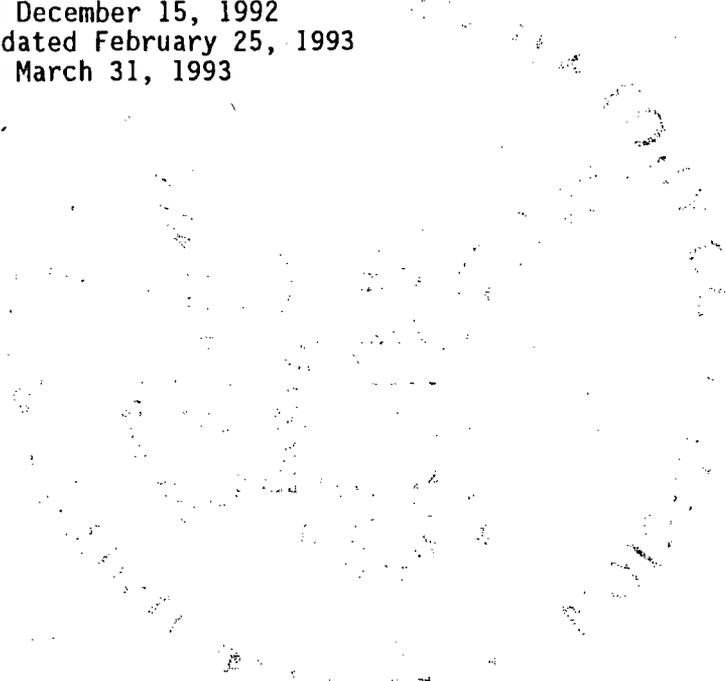
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Amendment No. 10

(Continued)

CONDITIONS

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 October 14, 1992
 - B. Letter dated December 15, 1992
 - C. Application dated February 25, 1993
 - D. Letter dated March 31, 1993



For the U.S. Nuclear Regulatory Commission

Original Signed By:
Elizabeth Ullrich

By

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

Date

JUL 09 1993

JUL 09 1993

License No. 37-02006-09
Docket No. 030-12894
Control No. 117305

Martin Marietta Corporation
ATTN: John L. Andrews
Radiation Safety Officer
P. O. Box 8555
Philadelphia, Pennsylvania 19101

5/21/93

Dear Mr. Andrews:

Enclosed is the Corrected Copy of Amendment No. 10 for License No. 37-02006-09. In accordance with the letter from you on June 14, 1993, Item 8.A. was corrected to read (b)(2)High er source ar (b)(2)High total.

Please note that the expiration date remains May 31, 1998. This date is the last day of the month, five years from the issue date.

Condition 15 correctly identifies the renewal application date as October 14, 1992 and not October 14, 1993 (sic) as indicated in your letter. The February 25, 1993 application is referenced in Condition 15 because it pertains to the change in ownership of the licensed entity.

We apologize for any inconvenience this error may have caused.

Sincerely,

Original Signed By:
Elizabeth Ullrich

Elizabeth Ullrich
Nuclear Materials Safety Branch
Division of Radiation Safety
and Safeguards

Enclosure:
Corrected Copy for Amendment No. 10

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ML 10

DRSS:RI
McGrath/cmm

6/ /93

~~DRSS:RI~~
~~Ulrich~~

~~9/ /93~~

MARTIN MARIETTA ASTRO SPACE

POST OFFICE BOX 8555
PHILADELPHIA, PENNSYLVANIA 19101
TELEPHONE (215) 354-1000

030-12894

June 14, 1993

Material Licensing Section: Region 1
US Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Re: Renewal of License 37-02006-09

Dear Ms Elizabeth Ullrich:

Upon review of the above renewed license (docket # 030-12894) dated April 29, 1993, we find changes are indicated in three blocks:

a. Block 4: The expiration date normally would be November 30, 1997. We do not understand the actual date shown.

b. Block 8A: The number of Curies per source should read 'not to exceed (b)(4) per source'. This same error appeared on Amendment # 8 (made at the time of a relocation within King of Prussia) and by phone call in early July of 1992 same was brought to the attention of your office by our Mr. Chilton who was the RSO at that time.

c. Block 15: The basic renewal application was dated October 14, 1993 and should be so noted herein. (The Feb. 1993 application dealt only with an ownership change).

Sincerely,


John L. Andrews, RSO
654-3840

cc: Dr. Mucha, Mr. Allers

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117305
JUN 16 1993