

MATERIALS LICENSE

Amendment No. 09

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

1. Martin Marietta Corporation

2. P. O. Box 8555
Philadelphia, Pennsylvania 19101

In accordance with the letter dated December 15, 1992 and the application dated February 25, 1993,
3. License number 37-02006-09 is amended in its entirety to read as follows:

4. Expiration date November 30, 1992 (extended)

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)

(b)(2)High 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.

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 L. 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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(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.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

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(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 August 28, 1987
- B. Letter dated July 5, 1989
- C. Letter dated April 12, 1990
- D. Letter dated March 3, 1992
- E. Letter dated May 18, 1992
- F. Application dated February 25, 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

APR 29 1993

APR 29 1993

License No. 37-02006-09
Docket No. 030-12894
Control No. 117541

Martin Marietta Corporation
ATTN: S. J. Mucha, M.D.
Chairman, Ionizing Radiation Advisory Group
P. O. Box 8555
Philadelphia, Pennsylvania 19101

Dear Dr. Mucha:

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) 337-5093, 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.

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

Sincerely,

Original Signed By:
Elizabeth Ullrich

for John D. Kinneman, Chief
Research, Development &
Decommissioning Section
Division of Radiation Safety
and Safeguards

Enclosures:

1. Amendment No. 09
2. Requirements for Materials Licensees

DRSS:RI *slw*
Weidner/smh

04/5/93

DRSS:RI
Kinneman

04/93



GE Aerospace

030-12894

General Electric Company
P.O. Box 8555, Philadelphia, PA 19101
215 354-1000

February 25, 1993

Licensing Assistant Section
Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia, PA 19406-1415

Re: Application for Amendment of Materials Licenses:
No. 37-02006-05, SUB-831, 37-02006-09

3-18-93

REVIEWER:

GE (now Martin
Marietta has 5
other pending actions.
All 6 must go
together to S. Kimberley.
117539-117540-
117843-115204-
and 117844.

RJB

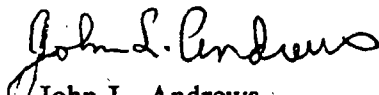
Dear Sir/Madam:

The accompanying three Amendment Applications, in duplicate, are hereby filed, and written NRC consent is requested in relation to sale by GE of a portion of its business to the Martin Marietta Corporation.

First notice of the sale was by letters to your office in December 1992, at which time control numbers 117539-117541 were assigned. The sale date is scheduled for late March 1993, pending various approvals.

I trust you will find the applications complete and in order. Expedited payment of the application fees will be handled by a separate mailing. For any questions, or if further clarification is necessary, please contact Mr. John Andrews, RSO, at (215) 354-3840.

Sincerely,


John L. Andrews
Radiation Safety Officer

cc: S. J. Mucha, M.D.
J. Doyle
M. West

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117541
FEB 26 1993

NRC FORM 313 (3-82) 10 CFR 30.32, 33, 34, 35 and 40	U.S. NUCLEAR REGULATORY COMMISSION	030-12894 APPROVED BY OMB: NO. 3180-0120 EXPIRES 8-30-83 ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 3.25 HOURS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNSB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555. AND TO THE PAPERWORK REDUCTION PROJECT (3180-0120), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.
APPLICATION FOR MATERIAL LICENSE		
INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.		
APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH: DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20555 ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS: IF YOU ARE LOCATED IN: CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO: LICENSING ASSISTANT SECTION NUCLEAR MATERIALS SAFETY BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION I 475 ALLENDALE ROAD KING OF PRUSSIA, PA 19406-1415 ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO: NUCLEAR MATERIALS SAFETY SECTION U.S. NUCLEAR REGULATORY COMMISSION, REGION II 101 MARIETTA STREET, NW, SUITE 2900 ATLANTA, GA 30332	IF YOU ARE LOCATED IN: ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO: MATERIALS LICENSING SECTION U.S. NUCLEAR REGULATORY COMMISSION, REGION III 790 ROOSEVELT ROAD GLEN ELLYN, IL 60137 ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO: MATERIAL RADIATION PROTECTION SECTION U.S. NUCLEAR REGULATORY COMMISSION, REGION IV 611 RYAN PLAZA DRIVE, SUITE 400 ARLINGTON, TX 76011-6064 ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO: NUCLEAR MATERIALS SAFETY SECTION U.S. NUCLEAR REGULATORY COMMISSION, REGION V 1450 MARIA LANE WALNUT CREEK, CA 94596-6308	
PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.		
1. THIS IS AN APPLICATION FOR (Check appropriate item) <input type="checkbox"/> A. NEW LICENSE <input checked="" type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <u>37-02006-09</u> <input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____	2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code) See Attachment No. 1	
3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED. 230 E. Goddard Blvd. King of Prussia, PA 19406		
4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION John Andrews		TELEPHONE NUMBER (215) 354-3840
SUBMIT ITEMS 5 THROUGH 11 ON 8 1/2 x 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.		
5. RADIOACTIVE MATERIAL a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.	6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.	
7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.	8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.	
9. FACILITIES AND EQUIPMENT.	10. RADIATION SAFETY PROGRAM.	
11. WASTE MANAGEMENT.	12. LICENSEE FEES (See 10 CFR 170 and Section 170.31) FEE CATEGORY <u>3R</u> AMOUNT ENCLOSED \$ <u>270</u>	
13. CERTIFICATION (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF. WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.		
SIGNATURE—CERTIFYING OFFICER <i>John S. Mucha, M.D.</i>	TYPED/PRINTED NAME S. J. Mucha, M.D.	TITLE Chairman, Ionizing Radiation Advisory group
DATE 2/25/93		
FOR NRC USE ONLY		
TYPE OF FEE	FEE LOG	FEE CATEGORY
COMMENTS		
AMOUNT RECEIVED	CHECK NUMBER	
APPROVED BY		DATE

ATTACHMENT NO. 1 to Application for Amendment

re: Material License No. 37-02006-09

Per NRC Info. Notice No. 89-25, the following detail is provided:

ITEM 2: NAME AND MAILING ADDRESS

a)

NAME

from: General Electric Co., Astro Space Division
to: Martin Marietta Corporation

ADDRESS

from/to: No change (P.O. Box 8555, Philadelphia, PA 19101)
Attention: John L. Andrews

c,d) The General Electric Company (GE) is selling a portion of its business (in general, its aerospace business) to the Martin Marietta Corporation (MMC). GE will remain in other businesses. Ownership of the licensed inventory and the use site are being transferred. The sale is being funded by cash, receivables and MMC stock.

b,e,f) No personnel named in the license or other matters other than ownership will be changed.

g) All surveillance requirements and records for the licensed activity are current.

h,i) The licensed items and their site are uncontaminated and fully operational. At or before the time of transfer, MMC will provide evidence of financial assurance which supports the existing decontamination plan.

j,k) By Attachment No. 2, GE and MMC memorialize the change in ownership of this licensed inventory and MMC commits to all terms of the existing license.

February 23, 1993

ATTACHMENT NO. 2

RADIOACTIVE MATERIAL LICENSES TRANSFER AGREEMENT
FOR GE AEROSPACE COMPONENT OF GENERAL ELECTRIC COMPANY

LICENSES AFFECTED:

GE-ASTRO SPACE
37-02006-05, SUB-831, 37-02006-09,
PA-0202, 29-09616-01

GENERAL ELECTRIC COMPANY-ORDNANCE SYSTEMS DIVISION
20-033160-09

GENERAL ELECTRIC COMPANY-A&ESD
SUB-986

GE AEROSPACE-GOVERNMENT COMMUNICATIONS SYSTEMS
29-01788-03

The undersigned authorized representatives of General Electric Co. ("Transferor") and the Martin Marietta Corporation ("Transferee"), respectively, hereby memorialize the agreement of the two companies to transfer, inter alia, those portions of the GE Aerospace business of Transferor to Transferee, including the sites, substances, and activities which are the subject of the above-referenced NRC licenses, effective upon the consummation of the Transaction Agreement of the parties dated November 22, 1992. Completion of the transfer is expected to be effective March 29, 1993. Upon consummation of the transfer, Transferee agrees to abide by all constraints, conditions, requirements, representations, and commitments identified in the above-referenced existing licenses.

General Electric Company

Martin Marietta Corporation

Printed Name Thomas A. Corcoran

Printed Name Robert Weston, Jr.

Title Vice President and General Manager
GE Aerospace Operations Division

Title Director
Corporate Environmental Management

Signature Thomas A. Corcoran Signature Robert Weston, Jr.

Date 2/23/93

Date 2/24/93

Sworn and Subscribed before me
on this 23rd Day of
February, 1993.

Sworn and Subscribed before me
on this 24th Day of
FEBRUARY, 1993.

Lorraine M. McDerriott
Notary

Lorraine M. McDerriott
Notary

NOTARIAL SEAL
LORRAINE M. McDERRIOTT, Notary Public
Upper Merion Twp., Montgomery Co.
My Commission Expires Nov. 26, 1994

Commission expires 11/25/95.

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117541

James R. ...
Deputy Assistant Director
Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission
Washington, D.C.

Andale Road
Pittsfield, PA 15460-1415

SEARCHED	INDEXED
SERIALIZED	FILED
OCT 14 1992	
FBI - PITTSBURGH	

Re: COT ... of December 1992 letters

... sent to the NRC in Washington for the amendment of two licenses due to the RGO change per our letters of December 1992. The affected licenses are 97-03006-05 (Control #117539) and 97-03007-05 (Control #117540). Attachment No. 1 is a copy of the check.

(Regarding License 97-03006-05 (Control #117540), the renewal showing on the October 14, 1992 LTR, should be for renewal. Our letter of October 15, 1992 on this subject should have only advised you of the (transfer or sale) agreement with the Martin Marietta Company.

RSO is addressed already in renewal

... date is now estimated as no earlier than late March 1993. ... approvals such as those ... the Department of Energy ... which will be ... with ... applications ... required license ... per NRC ... 97-03006-05

Sincerely,

John L. Anderson

John L. Anderson, Director, NRC

117541

Mike / RE Review
Per Mr. Andrews on 2/23/93,
Please hold off working on
this request until additional
information is sent in regarding
the change. He will either send
in add'l info, or withdraw
his request. See phone conversation
of 2/23/93. Thanks, Sandy Kimbly

CONVERSATION RECORD			TIME	DATE
TYPE <input type="checkbox"/> VISIT <input type="checkbox"/> CONFERENCE <input checked="" type="checkbox"/> TELEPHONE			<input type="checkbox"/> INCOMING <input type="checkbox"/> OUTGOING	
Location of Visit/Conference:				
NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU	ORGANIZATION (Office, dept., bureau, etc.)	TELEPHONE NO.		
John Andrews, RSO	GE	215 354 3840		
SUBJECT				
- 117541 -				
Amnd Request for 37-02006-09				

ROUTING	
NAME/SYMBOL	INT

SUMMARY

Mr. Andrews had wanted to not send in the amnd fee until the merger was certain. I explained; since they need to send additional information ^{for} into properly process ~~with~~ the amendment request, to send in the amnd fee, and we would hold up review on the amnd until he sent in the additional information -- that if the merger didn't take place, he could request withdrawal of the request.

He further stated the ^{estimated} date for the merger is now extended a month.

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION	SIGNATURE	DATE
	S. Kimberley	2/23/93
ACTION TAKEN		

SIGNATURE	TITLE	DATE



GE Aerospace

General Electric Company
P.O. Box 8555, Philadelphia, PA 19101
215 354-1000

December 15, 1992

1992 DEC 28 PM 2:14

37-02006-09

070-12894

Subject: NRC Materials License ~~XXXXXXXXXX~~, New Radiation Safety Officer

U. S. Nuclear Regulatory Commission
475 Allendale Rd (Region 1)
King of Prussia, PA 19406

Gentlemen :

This letter supercedes our prior letter on this subject which was dated December 8, 1992.

This letter advises you of the recent appointment of a new Radiation Safety Officer for this location/license. He is Mr. John L. Andrews. We have appended his resume and a Certificate of Achievement (just received) attesting to independent training. His phone number is 354-3840.

*addressed
in renewal*

Also, the GE Aerospace portion of GE is under merger agreement with the Martin Marietta Corp. The merger is anticipated to occur in early 1993 pending approvals. Timing may be such that we notify you of the new name prior to your issuance of any amendment/ acknowledgement of this notice.

*This and
addresses
this
portion*

As an aid , we also append Page 1 of this License.

S. J. Mucha, M.D.
S. J. Mucha, M.D.

Chairman, Ionizing Radiation Advisory Group

Log	<i>Jan 2 I</i>
Remitter	
Check No.	<i>R123490</i>
Amount	<i>\$220</i>
Fee Category	<i>3E (Also see 117539 + 117540)</i>
Type of Fee	<i>RND</i>
Date Check Rec'd	<i>12/17</i>
Date Completed	<i>12/17</i>
By	<i>[Signature]</i>

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117541

DEC 17 1992