

MATERIALS LICENSE

Amendment No. 44

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 letter dated December 8, 1992, and application dated February 25, 1993,

3. License number 37-02006-05 is amended in its entirety to read as follows:

4. Expiration date December 31, 1994

5. Docket or Reference No. 7030-06046

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. Any byproduct material with Atomic Numbers 3-83, except for Strontium 90

B. Any byproduct material with Atomic Numbers 3-83 except for Krypton 85

C. Any byproduct material with Atomic Numbers 3-83

D. Krypton 85
E. Strontium 90
F. Polonium 210
G. Americium 241
H. Uranium 235
I. Plutonium 238

J. Plutonium 239

K. Plutonium 239

L. Hydrogen 3

A. Sealed sources

B. Any

C. Neutron irradiated electronic components

D. Any
E. Sealed sources
F. Any
G. Sealed sources
H. Sealed sources
I. Sealed sources

J. Sealed sources

K. Sealed sources

L. Any

A. Not to exceed 10 curies per source and 75 curies total

B. 20 curies total except for:
Iodine 129-100 millicuries;
Iodine 131-330 millicuries;
Iodine 125-800 millicuries;
Phosphorus 32-1.5 curies
Strontium 90-2.5 curies

C. 2 curies

D. 45 curies
E. 10 curies
F. 0.6 curies
G. 4 curies
H. 4.7 grams
I. 6 milligrams total in 5 sources
J. 10 micrograms total in 2 sources
K. 6 micrograms total in 4 sources
L. 100 curies

Information in this record was deleted in accordance with the Freedom of Information Act.
Exemptions 2609-304
FOIA/PA

9307230234 930429
PDR ADDCK 03006046
PDR

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F-19

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

37-02006-05

Docket or Reference number

030-06046

Amendment No. 44

9. Authorized use

- A. through G. Research and development as defined in 10 CFR 30.4.
- H. through K. For storage and calibration of instruments.
- L. For storage or for use in gas chromatographs for sample analysis.

CONDITIONS

10. Licensed material may be used at facilities of the licensee located at the Valley Forge Space Center, 230 Goddard Boulevard, King of Prussia, Pennsylvania and ancillary facilities located on Third, Fifth and Vandenburg Avenues and on Allendale Road; 3198 Chestnut Street; D and Luzerne Streets; 401 E. Hunting Park Avenue; Skeats Hi Power Lab, Test Cell No. 6 and Lab Building 20, 7500 Lindbergh Boulevard, Philadelphia, Pennsylvania; Satellite Assembly Building, Cape Canaveral Air Force Station, Cape Canaveral, Florida; Vandenburg Air Force Base, California, and at temporary job sites of the licensee anywhere in the United States where the U. S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
11. A. Licensed material shall be used by, or under the supervision of, individuals designated by Ionizing Radiation Advisory Group, Dr. S. J. Mucha, Chairman.
B. The Radiation Safety Officer for this license is John L. Andrews.
12. Licensed material shall not be used in or on human beings or in field applications where activity is released except as authorized by specific condition of this license.
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.
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.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

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Amendment No. 44

(13. Continued)

CONDITIONS

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. In lieu of using the conventional radiation caution colors (magenta or purple on yellow background) as provided in 10 CFR 20.203(a)(1), the licensee is hereby authorized to label detector cells and cell baths, containing licensed material and used in gas chromatography devices, with conspicuously etched or stamped radiation caution symbols.
- 15. Detector cells containing a titanium tritide foil or a scandium tritide foil shall only be used in conjunction with a properly operating temperature control mechanism which prevents foil temperatures from exceeding that specified by the manufacturer.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

37-02006-05

Docket or Reference number

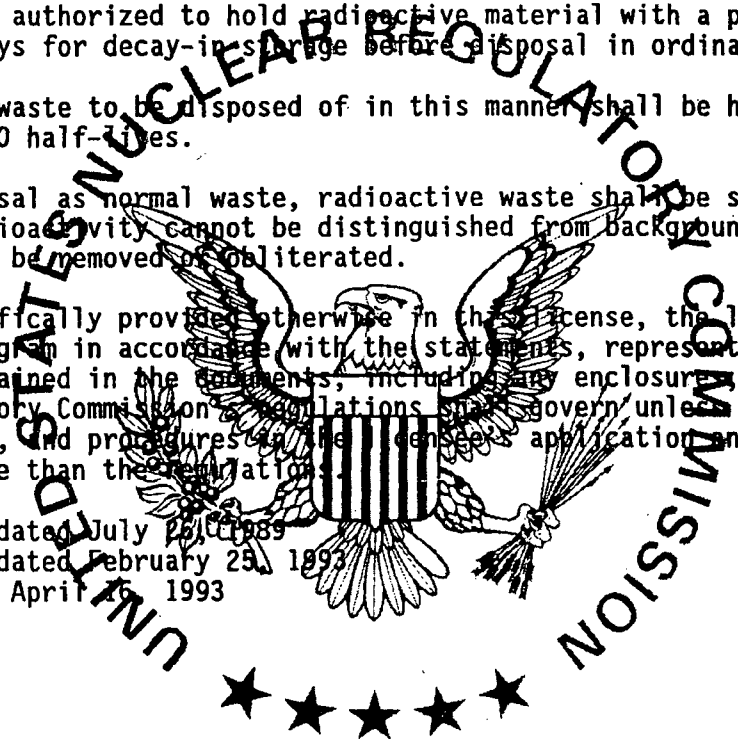
030-06046

Amendment No. 44

(Continued)

CONDITIONS

16. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory.
17. The licensee may transport licensed material in accordance with the provisions of 10 CFR 71, "Packaging and Transportation of Radioactive Material."
18. The licensee is authorized to hold radioactive material with a physical half-life of less than 65 days for decay-in-storage before disposal in ordinary trash provided:
- A. Radioactive waste to be disposed of in this manner shall be held for decay a minimum of 10 half-lives.
 - B. Before disposal as normal waste, radioactive waste shall be surveyed to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
19. 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 enclosure, 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 regulation.
- A. Application dated July 23, 1989
 - B. Application dated February 25, 1993
 - C. Letter dated April 26, 1993



For the U.S. Nuclear Regulatory Commission

Original Signed By:

By Elizabeth Ullrich

Nuclear Materials Safety Branch
Region I

King of Prussia, Pennsylvania 19406

Date APR 29 1993

APR 29 1993

License No. 37-02006-05
Docket No. 030-06046
Control No. 117539

Martin Marietta Corporation
ATTN: S. J. Mucha, M.D.
Chairman
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."

Your license has been issued in the name of an institution, please ensure that all license amendment or renewal requests are signed by a representative of the institution's management. This will assure that management has concurred with all commitments.

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.

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ML 10

Martin Marietta Corporation

-2-

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

Sincerely,

Original Signed By:
Elizabeth Ulrich

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

Enclosures:

1. Amendment No. 44
2. Requirements for Materials Licensees

DRSS:RI *juw*
Weidner/amw

4/20/93

DRSS:RI *JK*
Kinneman

4/27/93

MARTIN MARIETTA ASTRO SPACE

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

030-06046

MS 16
J-9

April 16, 1993

Ms. Carol Widener
Industrial Applications Section
Nuclear Materials Safety Branch
US Nuclear Regulatory Commission, Region 1
475 Allendale Road
King of Prussia, PA 19406-1415

Re: Your Telephone Call of April 1, 1993

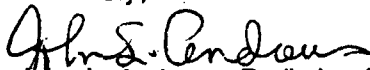
Dear Ms. Widener:

Regarding Materials License 37-02006-05 (Mail Control # 117539), the following response is provided in reply to the above telephone call:

- a. The ownership transfer by General Electric of its Aerospace business to Martin Marietta Corporation (MMC) did occur on April 2, 1993 following approvals by MMC shareholders and the US Department of Justice. As hopefully suitable evidence of same, I attach the pertinent press release as issued to employees as a 'Teaming Update' issue.
- b. My more complete resume is appended to supersede the earlier one which was prepared at the time of the renewal application for our two Gammacells; attached to it is an earlier certificate relating to training in 'radiological safety'.
- c. Mr. Charles Chilton, our predecessor RSO, is agreeable to being a Consultant to me for a period of one year. His Martin Marietta position remains in the King of Prussia area.
- d. Our radioactive source inventory includes very few unsealed sources; I believe my training in and use of bare oralloy (enriched uranium) is sufficient experience considering contemplated activity and the use of consultants and our IRAG members when advisable.
- e. Regarding deletion of allowed isotopes from this license, we would prefer to entertain that at the time of the next renewal (12/94). Over the next year we do not want to limit our new owner's approach to changing markets or types of R&D at this site. We note that MMC, based upon a reading of its Annual Report stresses technology developments and manages several major DOE sites.

Please feel free to contact us should you require further information. We look forward to receiving this and other license amendments per our recent requests.

Sincerely,



John L. Andrews, Radiation Safety Officer
Phone: 354-3840

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

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117539
11-10-92

April 2, 1993

Vol. 2, No. 13

This issue of Teaming Update includes information about the following:

- Martin Marietta closes GE Aerospace transaction;
- Administering a seamless transition;
- Software licenses;
- Unauthorized use of GE signs and logos for personal or historical use;
- GE Funds eligibility;
- Security Life Insurance;
- General subjects;
- New transition publication to replace **Teaming Update**;
- Attachment: "800" numbers reference guide;
- Attachment: instructions for placement of Martin Marietta adhesive strip on your current GE ID badge.

Martin Marietta closes GE Aerospace transaction...

BETHESDA, Maryland, April 2 -- Martin Marietta Corporation and the General Electric Company today completed a \$3.05-billion transaction combining GE's aerospace businesses with Martin Marietta.

The transaction combines the U.S. Department of Defense's two leading research and development contractors and creates a new Corporation with more than \$10 billion in annual sales, including \$3 billion generated from commercial, international and civil government customers.

The transaction also includes the transfer of all GE Financial Services Operations, GE Client Business Services, Inc. (CBSI) and GE Corporate Information Technology (CIT) employees in Lakeland, Florida to Martin Marietta.

"The synergies and critical mass created by this combination strengthen our ability to grow core businesses, protect jobs, serve our customers and maximize value to shareholders," said Norman R. Augustine, Martin Marietta chairman and chief executive officer.

John F. Welch, Jr., chairman and chief executive officer of General Electric, said, "This combination allows the new Martin Marietta Corporation to move into the global arena as number-one in its industry, with twice the resources and a fraction of the overhead rate of the two companies that created it. We believe the agreement presents a unique opportunity for employees of the new Corporation to be part of a dynamic enterprise that is well-positioned for the challenging business environment ahead."

At closing, GE received \$1 billion in Martin Marietta convertible preferred stock and \$906 million in cash. Martin Marietta assumes \$750 million of payment obligations associated with GE long-term debt, and GE retained \$394 million in accounts receivable.

"We are looking forward to an ongoing relationship with GE that will serve to ease and expedite the transaction, reduce costs and help maintain the high quality of product and financial performance associated with both companies," said Augustine.

Augustine said a transition committee, co-chaired by A. Thomas Young, president and chief operating officer of Martin Marietta, and Eugene F. Murphy, a GE senior vice president who also headed GE's Aerospace businesses, will be making recommendations on how best to structure the new organization to maximize effectiveness.

As we complete the combination of our business with the new Martin Marietta...

...it is important -- to the business and to each of us transferring to Martin Marietta -- that we provide for a transition that is as smooth and seamless as possible. A great deal of effort by many GE and Martin Marietta people has gone into making certain that most systems and processes remain the same or substantially similar. As the combination of GE Aerospace and Martin Marietta nears, please be aware of the following procedures and details so you can do your part to help ensure a compliant and seamless transition.

- COMPLIANCE:
 - All facets of the GE Aerospace compliance system remain the same, including guiding policies (20.10, 20.4, 20.5, etc.).
 - All requirements and processes to report compliance concerns, including the confidential process for reviewing reported concerns, remain the same.
 - The Corporate GE Ombudsperson will be replaced by the Martin Marietta Ombudsperson who can be reached at the Martin Marietta Ethics Office (1-800-3ETHICS), or mail at PO Box 616234, Orlando, Florida 32861-6234.
 - All systems for reporting concerns within GE operations being transferred to Martin Marietta remain the same: Aerospace Ombudsperson (1-800-633-2010) and site legal, auditing or contract practices individuals.
 - Site compliance review boards will remain in place, as well as the Managers as Counselors program, and a continuing compliance training and communication program.
 - An integration team, with GEA and Martin Marietta participants, has been formed to identify the "Best of the Best" from the GEA Compliance and Martin Marietta Ethics programs. However, until the integration team has completed its work, the current GEA compliance system will remain in place.

JOHN L. ANDREWS
RADIATION SAFETY OFFICER

PROFESSIONAL EMPLOYMENT

April 2, 1993 to Present	RADIATION SAFETY OFFICER / PRINCIPAL DEVELOPMENT ENGINEER Martin Marietta Astro Space King of Prussia, PA
June 1966 to April 1993	PRINCIPAL DEVELOPMENT ENGINEER GE Astro Space, King of Prussia, PA
June 1961 to August 1964	EXPERIMENTAL PHYSICIST GE Radiation Effects Laboratory, Syracuse, NY
September 1959 to June 1961	NUCLEAR (REACTOR) TEST ENGINEER GE Aircraft Nuclear Propulsion Department, Evendale, OH

EDUCATION

(b)(6)	S. B. in Physics	Massachusetts Institute of Technology Cambridge, MA
1966: M.S. in Nuclear Science and Engineering		Rensselaer Polytechnic Institute Troy, NY
1992: Radiation Safety Officer Training		Radiation Safety Associates, Inc. Hebron, CT
1962: Radiological Safety Training Program		Reynolds Electrical and Engineering Co. Inc. Mercury, NV

EXPERIENCE

Twenty-five years experience in project supervision performing nuclear survivability studies, principally on semiconductor electronics and shielding for various aerospace programs. Thirty-three years experience in radiation measurement and dosimetry, damage analysis and shielding design and implementation for a wide variety of nuclear environments. Twenty years experience in operation and handling of gamma cells, flash x-ray machines, reactor critical assemblies, radioactive electronic parts and a variety of radioactive issues of effects test operations at the AEC/DOE Nevada Test Site.

4/15/93

CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

JOHN L. ANDREWS

has participated in a

Radiological Safety Training Program

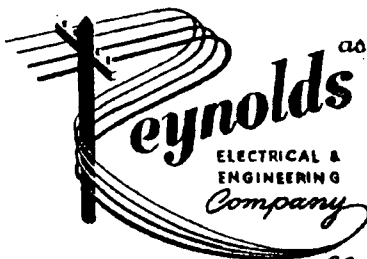
under the guidance of the HEALTH, MEDICINE, AND SAFETY DEPARTMENT

of the REYNOLDS ELECTRICAL AND ENGINEERING COMPANY, INC.

and that he has been examined and found duly qualified
to be designated

BASIC RADIATION MONITOR

as an acknowledgement of his knowledge and proficiency



Clinton S. Maupin MD
Department Manager

IN WITNESS WHEREOF, we have affixed our signatures
at Mercury, Nevada, this 28th day of April, 19 62.

Floyd W. [Signature]
Division Superintendent
[Signature]
Training Supervisor

4-1-93

TELEPHONE OR VERBAL CONVERSATION RECORD

TIME

9:30

☒ A.M.
☐ P.M.

☒ INCOMING CALL

☐ OUTGOING CALL

☐ VISIT

PERSON CALLING

John Andrews

OFFICE/ADDRESS

GE (Martin Marietta)

PHONE NUMBER

EXTENSION

354-3840

PERSON CALLED

T. Weidner

OFFICE/ADDRESS

RI

PHONE NUMBER

EXTENSION

X5272

CONVERSATION

SUBJECT

License Amendment

SUMMARY

1. Will send additional info on his experience.
2. Statement that the previous RSO will act as a consultant to him for a period of time.
3. Request removal of various isotopes from the license due to decreased usage.

REFERRED TO:

ACTION REQUESTED

ACTION TAKEN

☐ ADVISE ME OF ACTION TAKEN.

INITIALS

DATE

INITIALS

DATE

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GE Aerospace

030-06046

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

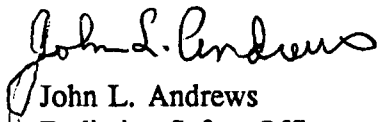
Dear Sir/Madam:

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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117539
FEB 26 1993

Hand Delivered

NRC FORM 313
(3-92)
10 CFR 30.32, 33,
34, 35 and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120
EXPIRES 6-30-93

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 (MMSB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0120), 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 30333

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
511 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-8084

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 94596-5308

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)

☐ A. NEW LICENSE

☒ B. AMENDMENT TO LICENSE NUMBER 37-02006-05

☐ C. RENEWAL OF LICENSE NUMBER _____

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code)

Aee 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 3L AMOUNT ENCLOSED \$ 540

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, 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

*John S. Andrews, For
S. J. Mucha, M.D.*

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. 37-02006-05

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

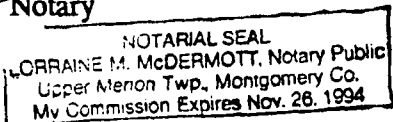
Date 2/24/93

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. McDermott
Notary

Thomas A. Stanley
Notary



Commission expires 11/23/95.

117539



GE Aerospace

February 12, 1993

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

Mr. James Bondick
Licensing Assistant Section
Nuclear Materials Safety Branch
US Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia , PA 19406-1415

Re: Followup on December 1992 letters

Dear Mr. Bondick:

A GE check is being sent to the NRC in Washington for the amendment fees on two licenses due to the RSO change per our letters of December 1992. The affected licenses are 37-02006-05 (Control #117539) and SUB-831 (Control # 117540). Attachment No. 1 is a copy of the check.

Regarding License 37-02006-09 (Control # 117541) , the new RSO had been shown on the October 14, 1992 application for renewal. Our letter of December 15, 1992 on this subject should have only advised you of the GE Aerospace merger (or sale) agreement with the Martin Marietta Corp. (MMC).

The merger date is now estimated as no earlier than late March 1993, subject to approvals such as those by the Dept. of Justice and MMC shareholders. GE has licenses at this and other sites which will be affected. GE in cooperation with MMC is preparing applications for all required license amendments per NRC's IN- 89-25.

Sincerely,

John L. Andrews, Radiation Safety Officer

cc: J.Doyle, S.J.Mucha, M.D., S.Kimberly (NRC)

FEB 17 1993

GENERAL ELECTRIC
FINANCIAL SERVICES OPERATION DEPT AR-480
P.O. BOX 33010 • LAKELAND, FL 33807-3010
813-644-0631

IN CORRESPONDENCE
WRITE TO AND REFER TO

CHECK No. R 122741

VENDOR CODE

CHECK DATE

TR TO

LOCATION

PREPARED BY

APPROVED BY

TC97S2

02-11-1993

S/ANDREWS

LB

AMOUNT

INVOICE DATE

DESCRIPTION

12-15-1992
370200605
HSCTC97

FEES FOR AMENDMENTS TO MATERIALS LICENSES
37-02006-05 (CONTROL # 117539)
SUB-831 (CONTROL # 117540)

\$1,020.00

RECEIVED FEB 15 1993



VOID AFTER 180 DAYS

No. R 122741

THIS CHECK IS IN FULL PAYMENT OF THE ACCOUNT STATED ON VOUCHER WHICH
ACCOMPANIED IT, AND THE PAYEE ACCEPTS IT AS SUCH BY ENDORSEMENT.

62-22
311

Financial Services Operation
P.O. Box 33010
Lakeland, FL 33807-3010

DATE

02-11-1993

PAY

*****\$1,020.00

FINANCIAL SERVICES OPERATION
LAKELAND, FLORIDA

TO
THE
ORDER
OF

U S NUCLEAR REGULATORY COMM. ATTN: S. KIMBERLEY
M.S.MNBB 4503 LICENSE FEE DEBT
COLL. BR. OC/DAF
WASHINGTON DC 20555



CoreStates Bank
of Delaware NA

(b)(4)

Benji L. Fournier
Dan Fournier

98

EX4



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

10N 15 1993

Posted 1/19/93
SSM Rcd 1/22/93
JLA Rcd 1/25/93

General Electric Company
Astro-Space Division
ATTN: S. J. Mucha, M.D., Chairman
Ionizing Radiation Advisory Group
P.O. Box 8555
Philadelphia, Pennsylvania 19101

Gentlemen:

This refers to your letters dated December 8, December 11, and December 15, 1992, for amendments to Materials Licenses 37-02006-C5, SUB-831 and 37-02006-09.

Your requests are subject to amendment fees totalling \$1,290 as specified in fee Categories 3L (\$540), 2C (\$480), and 3E (\$270) of \$170.31, 10 CFR 170, which went into effect August 24, 1992. A copy of the July 23, 1992, Federal Register notice regarding the revisions to the Commission's license and annual fee regulations (10 CFR 170 and 10 CFR 171) is enclosed.

Payment of the \$1,290 fee should be made to the U.S. Nuclear Regulatory Commission and mailed to the following address:

U.S. Nuclear Regulatory Commission
ATTN: Sandra Kimberley
License Fee and Debt Collection Branch, OC/DAF
Mail Stop MNBB 4503
Washington, D.C. 20555

Your application will be processed by the Region I Licensing staff located at 475 Allendale Road, King of Prussia, PA 19406. The fee, however, is required prior to issuance of the amendments. When submitting the fee, please refer to CONTROL NUMBERS 117539, 117540 or 117541.

If we do not receive a reply from you within 30 calendar days from the date of this letter, we shall assume that you do not wish to pursue your application and will void this action.

Sincerely,

A handwritten signature in cursive script that reads "Sandra Kimberley".

Sandra Kimberley
License Fee and Debt Collection Branch
Division of Accounting and Finance
Office of the Controller

Enclosure:
July 23, 1992, Federal Register notice

cc: Region I



GE Astro Space

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

030-06046

December 8, 1992

U. S. Nuclear Regulatory Commission
475 Allendale Road (Regional)
King of Prussia, PA 19406

Subject: NRC Materials License #37-02006-05 Change in
Radiation Safety Officer

Gentlemen:

This letter advises you of the recent appointment of a new Radiation Safety Officer for this location/license. He is Mr. John L. Andrews. Both his resume and a Certificate of Achievement (just received) attesting to independent training are appended.

John L. Andrews, for

S. J. Mucha, M.D.
Chairman - Ionizing Radiation
Advisory Group

cc: M. West, Manager - EH&S

1992 DEC 28 PM 2:12

Log	Jan 1 I
Remitter	
Check No.	R122741
Amount	2020 8520
Fee Category	1D (34) (117540 & 117541)
Type of Fee	AM
Date Check Rec'd	11/9/93
Date Completed	11/9/93
By:	AB

117539

OFFICIAL RECORD COPY ML 10

DEC 09 1992

CERTIFICATE OF ACHIEVEMENT

This is to Certify that

JOHN L. ANDREWS

Has Completed 40 Hours of Training in

Radiation Safety Officer

Novmeber 16-20, 1992





Jack Earley
Radiation Safety Associates, Inc.

Attachment 2 Resume

John L. Andrews
Principal Development Engineer

A. Education:

S.B. Degree in Physics, Massachusetts Institute of Technology
M.S. Degree in Nuclear Science and Engineering,
Rensselaer Polytechnic Institute

B. Experience:

- GE Astro Space Division, King of Prussia, PA
Principal Development Engineer
- GE Space Systems Division, King of Prussia, PA
Systems Development Engineer
- GE Space Division, King of Prussia, PA
Supervising Physicist
- GE Spacecraft Department, King of Prussia, PA
Radiation Effects Engineer
- GE Advanced Nuclear Systems Operation, King of Prussia, PA
Nuclear Systems Engineer
- GE Radiation Effects Laboratory, Syracuse, NY
Experimental Physicist
- GE, Aircraft Nuclear Propulsion Department, Evendale, OH
Nuclear Test Engineer

Twenty-five years experience in project supervision performing nuclear survivability studies principally on semiconductor electronics and shielding for various aerospace programs. Thirty-three years experience in radiation measurement, damage analysis and shielding for a wide variety of nuclear environments. Sixteen years experience in operation of AECL Gammacell Model 220 Irradiators.

JAN 15 1993

General Electric Company
Astro-Space Division
ATTN: S. J. Mucha, M.D., Chairman
Ionizing Radiation Advisory Group
P.O. Box 8555
Philadelphia, Pennsylvania 19101

Gentlemen:

This refers to your letters dated December 8, December 11, and December 15, 1992, for amendments to Materials Licenses 37-02006-05, SUB-831 and 37-02006-09.

Your requests are subject to amendment fees totalling \$1,290 as specified in fee Categories 3L (\$540), 2C (\$480), and 3E (\$270) of \$170.31, 10 CFR 170, which went into effect August 24, 1992. A copy of the July 23, 1992, Federal Register notice regarding the revisions to the Commission's license and annual fee regulations (10 CFR 170 and 10 CFR 171) is enclosed.

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ATTN: Sandra Kimberley
License Fee and Debt Collection Branch, OC/DAF
Mail Stop MNBB 4503
Washington, D.C. 20555

Your application^s will be processed by the Region I Licensing staff located at 475 Allendale Road, King of Prussia, PA 19406. The fee, however, is required prior to issuance of the amendments. When submitting the fee, please refer to CONTROL NUMBERS 117539, 117540 or 117541.

If we do not receive a reply from you within 30 calendar days from the date of this letter, we shall assume that you do not wish to pursue your application and will void this action.

Sincerely,

/s/

Sandra Kimberley
License Fee and Debt Collection Branch
Division of Accounting and Finance
Office of the Controller

Enclosure:
July 23, 1992, Federal Register notice

cc: Region I

DISTRIBUTION

Pending Fee File
OC/DAF R/F
LFDCB R/F (2)

OFFICE: OC/LFDCB
NAME: BBrown
DATE: 1/11/93

OC/LFDCB
SKimberley
1/13/93

OC/LFDCB
MMessier
1/13/93

RCJ/A:\GEC.AMD

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 03610
STATUS CODE: 0
FEE CATEGORY: 1D 3L
EXP. DATE: 19941231
FEE COMMENTS: -----
DECOM FIN ASSUR REQD: Y

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: GENERAL ELECTRIC CO.
RECEIVED DATE: 921209
DOCKET NO: 3006046
CONTROL NO.: 117539
LICENSE NO.: 37-02006-05
ACTION TYPE: AMENDMENT

2. FEE ATTACHED
AMOUNT: \$ 0
CHECK NO.: 0

3. COMMENTS
Ref. 117540 & 117541

SIGNED Rebecca J. Brown
DATE 12/28/92

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1.V)

1. FEE CATEGORY AND AMOUNT: 1D (3L) \$540

2. CORRECT FEE PAID. ☒ APPLICATION MAY BE PROCESSED FOR:
AMENDMENT
RENEWAL
LICENSE

3. OTHER

SIGNED Rebecca J. Brown
DATE 2/13/93