

MATERIALS LICENSE

Amendment No. 38

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, 36, 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.

302405

Licensee

1. General Electric Company
Medical Systems
2. P. O. Box 414
Milwaukee, Wisconsin 53201

In accordance with letter dated
February 10, 19973. License Number 40-00337-05 is amended in its
entirety to read as follows:

4. Expiration Date August 31, 2001

5. Docket or
Reference No. 030-067096. Byproduct, Source, and/or
Special Nuclear Material

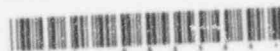
A. Americium-241

B. Barium-133

C. Cesium-137

7. Chemical and/or Physical
FormA. Sealed sources
(which have been
registered pursuant
to 10 CFR 30.32(g)
or equivalent
Agreement State
regulations)B. Sealed sources
(which have been
registered pursuant
to 10 CFR 30.32(g)
or equivalent
Agreement State
regulations)C. Sealed sources
(which have been
registered pursuant
to 10 CFR 30.32(g)
or equivalent
Agreement State
regulations)8. Maximum Amount that Licensee
May Possess at Any One Time
Under This LicenseA. 25 sources not to
exceed 10
millicuries eachB. 135 sources not to
exceed 3
millicuries eachC. 10 sources not to
exceed 1 millicurie
each

210010

9704210049 970410
PDR ADOCK 03006709
C PDR

COPY

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

48-00337-05

Docket or Reference Number

030-06709

Amendment No. 38

- | | | |
|---|--|--|
| 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 |
| D. Iron-55 | D. Sealed sources (which have been registered pursuant to 10 CFR 30.32(g) or equivalent Agreement State regulations) | D. No single source to exceed 100 microcuries. Total not to exceed 10 millicuries. |
| E. Molybdenum-99 | E. Elution Generator | E. 2 curies |
| F. Technetium-99m | F. Any | F. 2 curies |
| G. Gadolinium-153 | G. Sealed sources (which have been registered pursuant to 10 CFR 30.32(g) or equivalent Agreement State regulations and which are installed in shielded collimators) | G. 4 sources not to exceed 500 millicuries each |
| H. Strontium-90/Yttrium-90 | H. Sealed source | H. One source not to exceed 15 millicuries |

9. Authorized Use:

- A. through F. To be used in the calibration and testing of gamma cameras, image tubes, positron emission tomography equipment, and other electronic equipment.
- G. Two sources installed in collimators to be used for research and development of a device for attenuation correction on medical imaging equipment. Two sources installed in collimators for possession as necessary for replacement of sources in the attenuation correction device.
- H. For storage only, incident to disposal.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located in the Milwaukee Metropolitan area.

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11. A. Licensed material shall only be used by, or under the supervision of, individuals designated by the Radiation Safety Committee, David F. Knight, Chairperson.
- B. The Radiation Safety Officer for the activities authorized by this license is David F. Knight.
12. 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 specified by the certificate of registration referred to in 10 CFR 32.210.
- 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 leak test has been made within 6 months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- D. Sealed sources 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 transferred 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.
- E. The leak 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 in accordance with 10 CFR 30.50(b)(2), and the source shall be removed immediately 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 III, ATTN: Chief, Nuclear Materials Safety Branch, 801 Warrenville Road, Lisle, Illinois 60532-4351. The report shall specify the source involved, the test results, and corrective action taken.

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- F. 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.
13. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
14. Licensed material shall not be used in or on human beings or in products distributed to the public.
15. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
16. 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.
17. 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 February 20, 1995 (Items 1 through 4 only); and
 - B. Letters dated August 8, 1996 (with attachments), October 22, 1996, and February 10, 1997.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date APR 10 1997

By

Loren J. Hunter

Nuclear Materials Licensing Branch, Region III

COPY

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 03620
Status Code: 1
Fee Category: 3M
Exp. Date: 20010831
Fee Comments:
Decum Fin Assur Req'd N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: GENERAL ELECTRIC COMPANY
Received Date: 970311
Docket No: 3006709
Control No.: 302405
License No.: 48-00337-05
Action Type: Amendment

2. FEE ATTACHED

Amount: 610
Check No.: 0011947600

3. COMMENTS

Signed
Date

D. Hershey
3/14/97

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /✓/)

1. Fee Category and Amount: 3M \$610

2. Correct Fee Paid. Application may be processed for:

Amendment ✓
Renewal
License

3. OTHER

Signed
Date

SC
3/17/97

MAR 19 1997

Log	Mar 6 III
Remitter	
Check No.	11947600
Amount	\$610
Fee Category	3M
Type of Fee	AmD
Date Check Rec'd	3/17/97
Date Completed	3/17/97
By:	SC

10 February, 1997

Mr. Loren Hueter
United States Nuclear Regulatory Commission
Region III
801 Warrenville Rd.
Lisle, IL 60532-4351

Dear Loren:

The following is a request for an amendment to license #48-00337-05. We request that Mr. Charles Abounader be removed from the license as the management representative, in that he is no longer working for General Electric Medical Systems. He is to be replaced by Mr. Dennis Hussey, Global Manager-Environmental Health and Safety. Mr. Hussey's training and experience information is attached. If you should have questions regarding this amendment request, please feel free to contact me or Susan Engelhardt, of Engelhardt & Associates, Inc. at 1-608-274-4227. Thank you.

Best regards,

David F. Knight

David F. Knight
Radiation Safety Officer

RECEIVED

MAR 11 1997

REGION III

Pm: 3-10-97

302405
MAR 11 1997

**MANAGER
GLOBAL ENVIRONMENTAL
HEALTH & SAFETY
D.M. Hussey¹**

MARGARET GREB, Admin.

**GEMS-AMERICAS
D. M. HUSSEY ***

MGR. GLOBAL H&S PROG.
J. McGEOUGH *

MGR. AIR/CMS
M. DAVIS *

MGR. RCRA/PREVENTION
J. RAO *

RADIATION SAFETY
D. KNIGHT *

TUBE MANUFACTURING
L. HERRIGES *

CT MANUFACTURING
G. SCHMITZ * TECH

MR CENTER
C. SAGE * TECH

WAUKESHA MANUFACTURING
J. THOME * TECH

DIGITAL BOARD REPAIR
T. ZIMMERMAN * TECH

ULTRASOUND
S. PECK * TECH

RECYCLING CTR.
P. NEUMILLER

TUBE TARGET
L. HOYACK

MAGNET PLANT
W. MUSICK

SERVICE EHS MGR.
H. JONES *

SERVICE EHS PROG. LDR. - VPP
(Open) *

EHS SPECIALIST - WEST ZONE
T. CURRAN *

EHS SPECIALIST - N-CENTRAL
J. TURRIFF *

EHS SPECIALIST - CENT/ATL ZONE
D. TYLER *

EHS SPECIALIST - S-EAST ZONE
(Open)

EHS SPECIALIST - N-EAST ZONE
L. WESTBROOK *

EHS SPECIALIST - LATIN AMERICA
A. CALVACHE *

EHS SPECIALIST - CANADA
M. HAYES

LEGAL
E. WILSON

MEDICAL
R. MONK, MD

**GEMS-EUROPE
G. DURCY ***

BUC
G. FAIVET/IA FRANCOIS *

BUC
G. HAULETTE *

LONCIN
A. BRAKMEYN *

SLOUGH
OPEN

WOMMELGEM
L. KATS *

MEDICAL
J.P. BACARISSE, MD

LEGAL
M. CHARTIER

CHINA (WUXI)
WEI DE HUA

INDIA WIPRO (Goe)
K. JAYARAGHAVAN

**GEMS-ASIA
G. GAUR**

THAILAND
MAL

AUSTRALIA
P. MUEGGE

CHINA (BEIJING)
JASON LI

CHINA (CHENGDU)
BAI ZHOU CHI

INDIA ELPRO (Pune)
V. L. LATKAR

INDIA WIPRO (Bangalore)
G. KULKARNI

JAPAN (YMS)
T. INOUE *

JAPAN (TANAKA)
Y. KUKITA

KOREA
K.T. BANG

SINGAPORE
Y.S. ENG

TAIWAN
P. LEE

LEGAL
L. EATES

* Full Time

1. Reports to VP, Sourcing & Manufacturing

Issued by D. M. Hussey
January 30, 1997
dmh 1/30/97



INDIVIDUAL EXPERIENCE RECORD

**Strictly
Private**

NAME HUSSEY, DENNIS M.
(LAST, FIRST, INITIAL)

SOCIAL SECURITY NO [REDACTED] AGE SERVICE 11/10/80 CITIZENSHIP U.S.
(mo/day/yr) specify

EDUCATION

School & Location	Curriculum or Major	Dates Attended	Degree
St. Martin HS Detroit, MI	College Prep	9/64 to 5/68	Diploma
U. of Michigan Ann Arbor, MI	General Studies	9/68 to 5/73	BGS
U. of Michigan Ann Arbor, MI	Environmental Health	9/74 to 5/76	MPH
Wayne State Univ. Detroit, MI	Industrial Hygiene	5/78 to 12/82	MS

MAJOR PROGRAMS & TRAINING (Show formal training programs, e.g. FMP, Edison Engineering Program, MMP, etc., & courses such as "A", "B", or "C" engineering courses, AMMS, MDC, BMC, EDC, etc. Also show dates.)

Completed Management Practices Course
Completed 10 modules of the Middle Management Development Course
Completed Course on Managing Personal Growth
Completed Global Leadership Program (1991)
Completed 6-Step Problem Solving Process Course (1992)
Completed New Manager Devel. Course (NMDC) (1992)
Completed Project Leadership Course (PLC 1) (1992)
Completed Experienced Managers Course (EMS) (1993)
Completed Six Thinking Hat Course (1994)
Completed Effective Communication Course (1994)
Participated in Global Leadership Forum (1995)
Completed Basic Finance Course

PROFESSIONAL EXPERIENCE SUMMARY (Identify specific competencies, e.g., functional, product, market, customer, technical.)

American industrial Hygiene Association, (Full Member)
Water Pollution Control Federation Member
Air Pollution Control Association Member
Member, Federation of Environmental Technologists
Nineteen Years of Environmental, Health and Safety Expertise, including 10 years of Global EHS experience.

OTHER QUALIFICATIONS (Professional licenses, honors, patents, awards, special recognition, community experiences, etc.)

Certified Industrial Hygienist; Certified Hazardous Materials Manager; Received Wisconsin Business Friend of the Environment Award 1990, 1991, 1992, 1994; Received Wisconsin Department of Natural Resources Award for Trumpeter Swan Restoration Program, 1990
Received Environmental Vision Award, 1992
Received WDNR P/E/P Award for Pollution Prevention 1993
Received Wisconsin Governors Award for Pollution Prevention 1995

GEOGRAPHIC CONSIDERATIONS (Indicate limitations, strong preferences, timing.)

Are you interested in assignments outside your present country location? (Y/N)

N

LANGUAGES (Describe any second/third language proficiencies.)

Completed 120 Modules of Berlitz French

INDIVIDUAL EXPERIENCE RECORD

Strictly
Private

NAME HUSSEY, DENNIS M.
(LAST, FIRST, INITIAL)

WORK EXPERIENCE Begin with first position held. Include military service and work with other companies.

DATES	PL	Component or Business Location, Manager	Position
6/68-9/70		Ketchum Detroit Division Detroit, MI	General Warehouse Worker
7/71-9/71		Equip. Manufacturers, Inc. Detroit, MI	Assembly Line Riveter
10/71-5/76		University of Michigan Ann Arbor, MI	Cook/Kitchen Supervisor
5/76-9/76		University of Michigan Ann Arbor, MI	Laboratory Assistant, Aquatic Biology Laboratory
1/77-9/77		Anatec Services, Inc. Ann Arbor, MI	Environmental Laboratory Technician
10/77-12/77		Children's Hosp. of MI Detroit, MI	Laboratory Technician
1/78-11/80		Chrysler Corporation Detroit, MI	Environmental Engineer
11/80-1/89	10	GENERAL ELECTRIC Medical Systems Milwaukee, WI	Environmental Engineer/Industrial Hygienist
1/89-1/91	13	R. Jervis C. M. Thomas	Environmental Engineer/Industrial Hygienist
1/91 - 6/94	EB	T. E. Dunham R. F. Segalini	Manager, Environmental, Health & Safety
6/94 - Present	EB	S. Huot	Manager, Global Environmental Health & Safety

MG 1/30/97

APR 10 1997

David F. Knight
Radiation Safety Officer
General Electric Company
Medical Systems
P. O. Box 414
Milwaukee, WI 53201

Dear Mr. Knight:

Enclosed is Amendment No. 38 to your NRC Material License No. 48-00337-05 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

This amendment authorizes the change in the management representative on the Radiation Safety Committee for your NRC license, as requested.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC, in writing, within 30 days:
 - a. When the Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or
 - b. When the mailing address listed on the license changes. (No fee is required if the location of byproduct material remains the same.)
3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license when a decision is made to terminate all activities involving materials authorized under the license.
4. Request and obtain a license amendment before you:
 - a. Change Radiation Safety Officers;

302405

- b. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
 - c. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
 - d. Change ownership of your organization.
5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Statement of Policy and Procedure for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,

Original Signed By
Loren J. Hueter
Nuclear Materials Licensing Branch

License No.: 48-00337-05
Docket No.: 030-06709

Enclosure: Amendment No. 38

DOCUMENT NAME: M:\03006709.CL

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	DNMS/RIII	<input checked="" type="checkbox"/>							
NAME	LJHUETER:jaw	<input checked="" type="checkbox"/>							
DATE	04/9/97	<input checked="" type="checkbox"/>							

OFFICIAL RECORD COPY



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

March 14, 1997

David F. Knight
Radiation Safety Officer
General Electric Company
Medical Systems
P. O. Box 414
Milwaukee, WI 53201

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE
(Letter Dated 02/10/97)

Dear Licensee:

In response to your request, we have completed the initial processing, which is an administrative review of your application for a(n):

☐ New License ☒ Amendment ☐ Renewal
☐ Termination ☐ Auth User (Amendment not required)
☐ Other _____

No administrative deficiencies were identified during this initial review. However, it should be noted that a technical review may identify omissions in the submitted information.

It appears that your request is routine (see 1-3 below, as applicable).

1. New and amendment actions are normally processed within 90 days, unless we find major deficiencies, or policy issues requiring central program office assistance.
2. Renewal actions are normally processed within 180 days, however, under timely filing (before expiration) you may continue to operate under your existing license.
3. Termination actions are normally processed within 90 days, unless confirmatory surveys following decontamination/decommissioning activities are involved.

A copy of your correspondence has been forwarded to our Licensing Fee and Debt Collection Branch (301/415-6097) for approval of the fee category and amount, if required.

If you have a compelling safety or business-related reason for requesting expedited review, please contact the Materials Licensing Branch at (630) 829-9887. We will try to complete your request as soon as practicable. Any correspondence about this request should reference the control number.

Nuclear Materials Support Branch

Mail Control No. 302405
License No. 48-00337-05