

## MATERIALS LICENSE

Amendment No. 01

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.

## OFFICIAL RECORD COPY

Licensee	In accordance with the letter dated May 24, 1996, 3. License Number 20-15084-02 is amended in its entirety to read as follows:	
1. Lockheed Martin IR Imaging Systems, Inc.		
2. 2 Forbes Road Lexington, Massachusetts 02173	4. Expiration Date August 31, 2004	
	5. Docket or Reference No. 030-33373/20-15084-01	
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. Hydrogen 3	A. Sealed sources (Mb-Microtec Model 400 Series)	A. 5.0 curies total
9. Authorized use		
A. For calibration of detector systems.		

## CONDITIONS

10. Licensed material may be stored at the licensee's facilities located at 2 Forbes Road, Lexington, Massachusetts and may be used only 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 only be used by, or under the supervision and in the physical presence of, individuals who have received the training described in application dated June 13, 1994, and have been designated in writing by the Radiation Safety Officer.  
B. The Radiation Safety Officer for this license is Jeffrey R. Heinrichs.
12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
13. The licensee shall conduct a physical inventory every six months to account for all sealed sources and devices containing licensed material received and possessed under the license.
14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number

20-15084-02

Docket or Reference Number

030-33373/20-15084-01

Amendment No. 01

15. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d), 40.36(b), and 70.25(d) for establishing financial assurance for decommissioning.
16. 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 November 1, 1993
  - B. Letter dated June 13, 1994
  - C. Letter dated July 23, 1996

For the U.S. Nuclear Regulatory Commission

**ORIGINAL SIGNED BY:**  
**JO ANN V. STAMBAUGH**

By

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

AUG - 5 1996

Date \_\_\_\_\_

AUG - 5 1996

Mr. John Dehne  
President  
Lockheed Martin IR Imaging Systems, Inc.  
2 Forbes Road  
Lexington, MA 02173

Dear Mr. Dehne:

This refers to your license amendment request. Enclosed with this letter is the amended license. Please note that as part of this amendment, in accordance with 10 CFR 30.36, effective February 15, 1996, the expiration date of your license has been extended by a period of five years. Your new expiration date is stated in Item 4 of the license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

Thank you for your cooperation.

Sincerely,

**ORIGINAL SIGNED BY:**

JoAnn V. Stambaugh  
Division of Nuclear Materials Safety

License No. 20-15084-02  
Docket No. 030-33373  
Control No. 123285

Enclosure:  
Amendment No. 01

DOCUMENT NAME: R:\WPS\L2015084.02

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI				
NAME	Stambaugh/jvs						
DATE	08/05/96 8/5/96		08/ /96		08/ /96		08/ /96

OFFICIAL RECORD COPY **ML 10**

LOCKHEED MARTIN

John S. Dehne  
President

MS 16

L-8

July 23, 1996

Ms. JoAnn V. Stambaugh  
US Nuclear Regulatory Commission  
Region 1  
475 Allendale Road  
King of Prussia, PA 19406-1415

Dear Ms. Stambaugh:

In reference to your letter dated June 13, 1996, control No. 123285, docket No. 030-33373 for license No. 20-15084-02, please see the following for responses to your questions.

- 1a) Please change the name of the licensee to Lockheed Martin IR Imaging Systems, Inc., from Loral Infrared & Imaging Systems, Inc.
- 1b) Please remove Roy J. Murphy as Radiation Safety Officer. Add Jeffrey R. Heinrichs as the new Radiation Safety Officer. Mr. Heinrichs will be responsible for the maintenance of the licensed radiation safety program. You are already in receipt of Mr. Heinrichs's curriculum vitae. Mr. Heinrichs is currently the Company Safety Administrator.
- 1c) On April 29, 1996, Loral Infrared & Imaging Systems, Inc., a wholly owned subsidiary of Loral Corporation, changed its name to Lockheed Martin IR Imaging Systems, Inc. This name change resulted from the acquisition by Lockheed Martin Corporation of stock of Loral Corporation. As a result of that acquisition, the affected Loral business units have been renamed Lockheed Martin Tactical Systems, Inc. which has been established as a wholly owned subsidiary of Lockheed Martin Corporation. Most divisions and subsidiaries of the former Loral Corporation changed their names accordingly.
- 1d) There are no planned changes in the organization, facilities, storage or uses of licensed material, equipment or procedures.
- 1e) There are no planned changes in the use or storage of licensed materials.

OFFICIAL RECORD COPY

ML 10

/23285

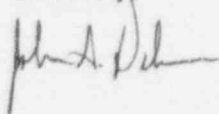
JUL 29 1996

Ms. Stambaugh  
23 July 1996  
Page 2

- 1f) All surveillance items and records were in place at the time of the transfer.
- 1g) There is no radioactive contamination at our facility. If contamination does occur, Lockheed Martin agrees to assume full responsibility for decontamination of the facility.
- 1h) There are currently no decontamination plans in place as there has been no contamination or releases of material. All the assets under our former name (Loral Infrared & Imaging Systems, Inc.) still belong to us under our new name (Lockheed Martin IR Imaging Systems, Inc.). Therefore, Lockheed Martin will be responsible for all required financial assurance arrangements, just as we were prior to the name change, which affects neither our responsibilities nor our liabilities.
- 1i) Lockheed Martin does intend to abide by all constraints, conditions, requirements, commitments and representations identified in the existing license. These include, but are not limited to: maintaining decommissioning records required by 10 CFR 30.35(g); implementing decontamination activities and decommissioning of the site; and completing corrective actions for open inspection items and enforcement actions.
- 1j) Since only the name of our company has changed, transferor and transferee are one and the same. Lockheed Martin IR Imaging Systems Inc. assumes all responsibility for ownership or control of the licensed material and activity. There are no open inspection items or possible resulting enforcement actions.

Should you have any questions or desire additional information, please contact Jeff Heinrichs, our Radiation Safety Office at this address or call (817) 863-4573..

Sincerely,



cc: Jeff Heinrichs



JUN 13 1996

License No. 20-15084-02  
Docket No. 030-33373  
Control No. 123285

Ms. Donna Murphy  
Vice President, Finance & Controller  
Lockheed Martin IR Imaging Systems, Inc.  
2 Forbes Road  
Lexington, MA 02173

Dear Ms. Murphy:

This is in reference to your letter dated May 24, 1996 . In order to continue our review, we need the following additional information:

1. It appears from your letter that a possible change of ownership has occurred. 10 CFR 30.34(b) requires NRC consent prior to a change of ownership. Provide the following information:
  - a. Provide the new name of the licensed organization, or state that there is no change.
  - b. Any planned changes in personnel having control over licensed activities (e.g., officers of the corporation) and any changes in personnel named in the license such as the radiation safety officer, authorized users, or any other persons identified in previous license applications as responsible for radiation safety of use of licensed material.
  - c. A complete, clear description of the transaction. The description should include any transfer of stocks or assets, mergers, etc.
  - d. Any planned changes in organization, location, facilities, storage or uses of licensed material, equipment or procedures. If such changes are to be made, they should be fully described.
  - e. A detailed description of any changes in the use, possession or storage of licensed materials.
  - f. An indication of whether all surveillance items and records, (e.g., calibrations, surveys, inventories and accountability requirements) will be current at the time of transfer.

OFFICIAL RECORD COPY

**ML 10**

Ms. Donna Murphy  
Lockheed Martin IR Imaging Systems, Inc.

-2-

- g. A description of the status of the facility. Specifically, the presence or absence of radioactive contamination should be documented. If contamination is present, will decontamination occur before transfer? If decontamination does not occur before the transfer, does the successor company agree to assume full liability for the decontamination of the facility?
- h. A description of any decontamination plans, including financial assurance arrangements, as required by 10 CFR 30.35, 40.36, and 70.25. Include information about how the transferee and transferor propose to divide the transferor's assets.
- i. Confirmation that the transferee or successor company agree to abide by all constraints, conditions, requirements, commitments and representations identified in the existing license. These include, but are not limited to: maintaining decommissioning records required by 10 CFR 30.35(g); implementing decontamination activities and decommissioning of the site; and completing corrective actions for open inspection items and enforcement actions. If not, the transferee must provide a description of its program to assure compliance with the license and regulations.
- j. Documentation that both the transferor and the transferee agree to the change in ownership or control of the licensed material and activity, and the conditions of transfer, and that the transferee has been made aware of all open inspection items and possible resulting enforcement actions.

We will continue our review upon receipt of this information. Please reply in duplicate to my attention at the Region I Office and refer to Mail Control No. 123285. If you have any technical questions regarding this deficiency letter, please call JoAnn V. Stambaugh at (610) 337-6904.

We request a reply from you within 30 calendar days from the date of this letter.

Sincerely,

**ORIGINAL SIGNED BY:  
JO ANN V. STAMBAUGH**

JoAnn V. Stambaugh  
Division of Nuclear Materials Safety

License No. 20-15084-02  
Docket No. 030-33373  
Control No. 123285

Enclosures:

1. 10 CFR Parts 20, 30, 40, 70 and 71

OFFICIAL RECORD COPY

Ms. Donna Murphy  
 Lockheed Martin IR Imaging Systems, Inc.  
 -3-

DOCUMENT NAME: R:\WPS\DLTR\D2015084.02

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI				
NAME	Stambaugh/jvs	9/8					
DATE	06/13/96	6/13/96	06/ /96	06/ /96	06/ /96	06/ /96	

OFFICIAL RECORD COPY



LOCKHEED MARTIN



24 May 1996

U.S. Nuclear Regulatory Commission  
Region I  
475 Allendale Road  
King of Prussia, PA 19406

Ref: NRC License No. 20-15084-01  
Docket No. 030-08550

Gentlemen:

Loral Infrared & Imaging Systems requests to amend our NRC License #20-15084-01<sup>2</sup> as follows:

- (1) Please remove Roy J. Murphy as Radiation Safety Officer. Add Jeffrey R. Heinrichs as the new Radiation Safety Officer. Mr. Heinrichs will be responsible for the maintenance of the licensed radiation safety program. Attached please find Mr. Heinrichs curriculum vitae. Mr. Heinrichs is currently the Company Safety Administrator.
- (2) Please change the name of the licensee to Lockheed Martin IR Imaging Systems, Inc. from Loral Infrared & Imaging Systems.

Enclosed please find a check in the amount of \$290.00, the amendment fee for a Category 3P License. If you require any additional information, please do not hesitate to contact Mr. Heinrichs. Thank you in advance for your help with this amendment process.

Sincerely,

*Donna M. Murphy*

Donna Murphy  
Vice President, Finance & Controller

/bcw  
Enclosure

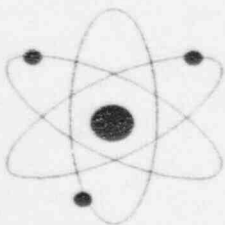
**Radiation Safety & Control Services, Inc.**

*Awards this certificate to*

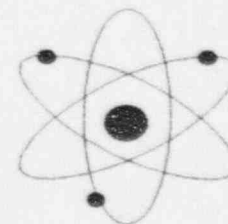
**Jeff Heinrichs**

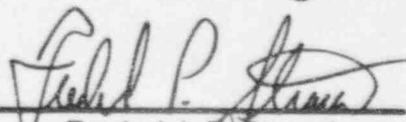
*in recognition of satisfactory completion of*

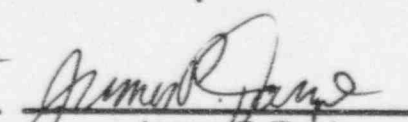
**RADIATION SAFETY OFFICER  
TRAINING COURSE**




Portsmouth, New Hampshire  
August 28 - September 1, 1995



  
Frederick P. Straccia

  
James P. Tarzia

  
Eric L. Darois

**JEFFREY R. HEINRICH**  
**1 Royal Crest Drive #7**  
**Nashua, New Hampshire 03060**  
**(603) 891-4276**

## **EXPERIENCE**

**Apr. 94 - Present**

Loral Infrared & Imaging Systems Lexington, MA.  
Safety Administrator

### **Responsibilities**

Manage all aspects of a comprehensive Safety Program for a 256,00 sq. ft. facility housing over 600 employees, involved in the manufacture of defense related products based on semi-conductor (mercury, cadmium, tellurium substrates) technology in clean and non-clean room environments, with a heavy emphasis on hazardous material (chemical, toxic and pyrophoric gasses, ionizing & non-ionizing radiation, lasers, confined space, hazardous energy, RF, etc.) and process evaluation, establishment of safety protocols, development of safety training curriculum, evaluation and establishment of policies, procedures & programs to meet OSHA compliance and Division needs.

### **Accomplishments**

Reduced total OSHA reportable accidents 48%, lost work day accidents 57% and total lost work days 88%.  
Vastly improved Haz Com Program to include, automation of MSDS records, establishment of a generic labeling system and development of specific and generic Haz Com training curriculum.  
Participated in the implementation of the needed culture change to establish Environmental Safety & Health programs throughout Division Operating Groups.  
Established several new Safety policies to include Ergonomics, Asbestos Control, Personal Protective Equipment, Non-Ionizing Radiation and Emergency Evacuation Procedures.

**Dec. 1992 - Apr. 94**

Loral Infrared & Imaging Systems Lexington, MA.  
Supervisor Physical Security & Safety

### **Responsibilities**

In addition to Security Supervision, augment Division Safety Program to include but not limited to: administration of Personal Protective Equipment program, Hazardous Communication Program, Facilitate the Chemical & Medical Emergency Response Teams, new area design review to include the physical (fire/machine/chemical) safety of the areas, accident investigation and Insurance Loss Control contact.

### **Accomplishments**

Implemented automated Safety Inspection program  
Established Division Safety Committee  
Completed a total revision of the Division Safety Manual

July 1989 - Dec. 1992 Loral Infrared & Imaging Systems Lexington, MA.  
Supervisor Physical Security

**Responsibilities**

Supervise a proprietary security force of 16 full time and 18 part time officers covering three facilities totaling 382,000 square feet with an employee pop. of 850. Supervise mail room activities, including the evaluation and purchase of mailing equipment. Budget coordinator for Human Resources Group. Budget of \$2.3 million per year for six departments. Security budget responsibility of \$955 K per year. Evaluate & coordinate the purchase and maintenance of security equipment including alarms, CCTV, communications, vehicles, uniforms, tour systems, etc.

**Accomplishments**

Reduced sick time by over 50%, Reduced overtime costs by 46%, Reduced uniform and equipment costs by 50%

Designed & implemented a successful training program for security officers that significantly raised the overall level of competence of the security force.

Reduced reported thefts 50%, security incidents 62%.

August 1988 - July 1989

Loral Infrared & Imaging Systems Lexington, MA. ( Honeywell EOD until Jan. 1989 ) Physical Security Administrator

November 1982 - August 1988

Honeywell EOD Lexington, MA. Security Shift Sergeant

December 1980 - November 1982

Honeywell EOD Lexington, MA. Security Officer

August 1976 - September 1980

United States Air Force, Law Enforcement Specialist

**EDUCATION** New Hampshire College - MBA - expected graduation 12/97  
 New Hampshire College - BS Business Administration 1988  
 Middlesex Community College - AS Business Management 1986  
 Community College of the Air Force - Law Enforcement Studies

## **OTHER SKILLS AND EDUCATION**

CPR & First Aid Certified

Personal Protection & Safety for Emergency Response Operations & Annual Refresher as required by 29 CFR 1910.120 (HAZWOPPER)

Advanced Safety Certificate National Safety Council

Annual DOT HM 181 & HM 126F Transportation of Hazardous Material - MA. Safety Council

Annual Contractor/Supervisor Asbestos Abatement - Institute For Environmental Education, Inc.

Basic Industrial Hygiene, OSHA Construction Safety - MA. Safety Council

Laser Safety Officer - Rockwell Laser Institute

Radiation Safety Officer - Radiation Safety & Control Services, Inc.

Indoor Air Quality - TSI Incorporated

Computer literate(MAC & DOS), Use of Internet for Safety & Health research

Member American Society of Safety Engineers/National Fire Protection Association



BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM  
AND  
REGIONAL LICENSING SECTIONS

: (FOR LFMS USE)  
: INFORMATION FROM LTS  
: -----  
: PROGRAM CODE: 03124  
: STATUS CODE: 0  
: FEE CATEGORY: 3P  
: EXP. DATE: 20040831  
: FEE COMMENTS: -----  
: DECOM FIN ASSUR REQD: N  
: .....  
: .....

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED  
APPLICANT/LICENSEE: LORAL INFRARED AND IMAGING SYS., INC  
RECEIVED DATE: 960530  
DOCKET NO: 3033373  
CONTROL NO.: 123285  
LICENSE NO.: 20-15084-02  
ACTION TYPE: AMENDMENT

2. FEE ATTACHED  
AMOUNT: \$290.00  
CHECK NO.: 0383865

3. COMMENTS

SIGNED M. A. Perkins  
DATE 6/3/96

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

1. FEE CATEGORY AND AMOUNT: 3P \$290

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

3. OTHER -----  
-----

SIGNED B. Brown  
DATE 6/12/96

June 8 1996

Log	
Item/Ref	
Check No.	<u>0383865</u>
Amount	<u>\$290</u>
Fee Category	<u>3P</u>
Type of Fee	<u>AMT</u>
Check Rec'd	<u>6/12/96</u>
Checked	<u>B. Brown</u>

1996 JUN -7 AM 11:18