

**MATERIALS LICENSE**

Licensee	
1. Lockheed Martin Corporation Communications and Power Center	3. License number SUB-831
2. 100 Campus Drive Newtown, Pennsylvania 18940	4. Expiration date Not Applicable
	5. Docket No. 040-07344 Reference No.

In accordance with the letter dated August 26, 1999, and concurrent with the issuance of Amendment No. 13 to License No. 37-02006-09, this license is hereby terminated.

For the U.S. Nuclear Regulatory Commission

Date September 10, 1999

By

***Original signed by Elizabeth Ullrich***

Elizabeth Ullrich  
Nuclear Materials Safety Branch 2  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406

September 13, 1999

Docket No. 040-07344  
Control No. 127259

License No. SUB-831

Kenneth R. Johnson  
Vice President  
Lockheed Martin Corporation  
Communications and Power Center  
100 Campus Drive  
Newtown, PA 01840

Dear Mr. Johnson:

Concurrent with the issuance of Amendment No. 13 to License No. 37-02006-09, please find enclosed Amendment No. 25 terminating License No. SUB-831 as requested by your letter dated August 26, 1999. All facilities previously used for licensed activities may be released for unrestricted use.

Your cooperation with us is appreciated.

Sincerely,

***Original signed by Elizabeth Ullrich***

Elizabeth Ullrich  
Senior Health Physicist  
Nuclear Materials Safety Branch 2  
Division of Nuclear Materials Safety

Enclosure:  
Amendment No. 25

cc:  
Jeff N. Evans, Radiation Safety Officer

ML10

K. Johnson  
Lockheed Martin Corporation

2

DOCUMENT NAME: B:\DNMS Documents\Lic Cover Letter\LSUB-831.127259.wpd

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

OFFICE	DNMS/RI	N	DNMS/RI				
NAME	JBondick <i>JB</i>		EUIrich				
DATE	09/13/99		09/17/99		09/ /99		09/ /99

OFFICIAL RECORD COPY

# Materials License Termination/Retirement Form

LICENSE #(s): 54B-831  
 ADDRESS: 100 Campus Drive  
Newtown PA  
18940

DOCKET #(s): 040-07344  
 EXPIRATION DATE: 10/31/200  
 DATE OF CONTACT: 9/10/99  
 CONTACTED BY: JMB  
 TITLE: NP  
 TELEPHONE: \_\_\_\_\_

LICENSE TERMINATED: ☒

LICENSE TRANSFERRED: ☒

LICENSE TRANSFERRED TO: Name: Lockheed Martin Corp.  
 Address: 100 Campus Drive  
Newtown Pa 18940  
 Telephone: \_\_\_\_\_

BASIS FOR TERMINATION AND/OR RETIREMENT: License  
activities covered under amendment 13 to  
License # 37-02006-05

## TERMINATION DOCUMENTATION

1. License termination meets Type I criteria:

Y ☒ N ☐

- ☐ Licensee used sealed sources only and the most recent leak test demonstrates that they did not leak while in the licensee's possession
- ☐ Licensee used radioactive material with  $T_{1/2} \leq 60$  days and it has decayed to less than the activity in 10 CFR Part 20 Appendix C

2. License termination meets Type II criteria:

Y ☐ N ☒

- ☐ Licensee possessed and used only sealed sources but cannot demonstrate that the sources did not leak while in the licensee's possession
- ☐ Licensee possessed unsealed radioactive material with  $T_{1/2} \leq 60$  days but the maximum activity authorized under the license has not decayed to less than the quantity specified in 10 CFR Part 20, Appendix C
- ☐ Licensee possessed unsealed radioactive material with  $T_{1/2} > 60$  days but  $\leq 120$  days.
- ☐ Licensee possessed  $^{14}\text{C}$  or  $^3\text{H}$  but the total activity(s) and use authorized under the license warrants decommissioning under Type II (describe rationale above)

127259

3. License termination meets Type III criteria: Y \_\_\_ N \_\_\_  
\_\_\_ Decommissioning qualifies for a categorical exclusion under 10 CFR 51.22 (c) and  
\_\_\_ Licensee will decommission its facility in accordance with the NRC's criteria for unrestricted use.
4. License termination meets Type IV criteria: Y \_\_\_ N \_\_\_  
\_\_\_ Decommissioning does not qualify for a categorical exclusion under 10 CFR 51.22 (c)  
\_\_\_ Licensee will decommission its facility such that residual radioactive material may remain in excess of NRC's criteria for unrestricted use.
5. Termination survey required: Y \_\_\_ N ☒  
☒ Termination survey submitted by licensee  
\_\_\_ Termination survey satisfies NRC survey requirements
6. Form 314 or equivalent submitted: Y ☒ N \_\_\_  
☒ Staff verified disposition of sealed sources:  
or unsealed radioactive material  
by:  
☒ letter from Form 314 recipient  
\_\_\_ call to Form 314 recipient
7. Licensee transfer records discussed in 10 CFR Parts 30.35, 30.36,  
30.51; 40.36, 40.42, 40.61; or 70.25, 70.38, 70.51 Y ☒ N \_\_\_  
\_\_\_ To USNRC  
\_\_\_ To individual assuming responsibility for the license, with a copy of the cover letter to NRC
8. NRC closeout inspection required: Y \_\_\_ N ☒  
\_\_\_ Closeout inspection performed: *License activities to continue under license 37-02006-09*  
on: \_\_\_\_\_  
Inspector: \_\_\_\_\_
9. Closeout survey performed: Y \_\_\_ N \_\_\_  
on: \_\_\_\_\_  
by: \_\_\_\_\_
- Licensing assistant  
completing form: \_\_\_\_\_ Date: \_\_\_\_\_  
or  
License reviewer  
completing form: *Jane M. Bonnell* Date: *9/10/99*  
Branch Chief: \_\_\_\_\_ Date: \_\_\_\_\_

This is to acknowledge the receipt of your letter/application dated received  
9-9-99, and to inform you that the initial processing which  
includes an administrative review has been performed.

☒ <sup>Term</sup> There were no administrative omissions. Your application was assigned to a  
technical reviewer. Please note that the technical review may identify additional  
omissions or require additional information. 840-831/40-07344

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts  
Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 1 2 7 2 5 9  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

Sincerely,  
Licensing Assistance Team Leader

151528

**Attachment No. 2  
Renewal Summary**

Lockheed Martin Corporation, Communications and Power Center (LM-CPC) hereby submits an Amendment Application for the purpose of adding two items to the license number 37-02006-09. The intent of this amendment is to consolidate the use of radioactive materials at both the Valley Forge and Newtown, Pennsylvania sites as part of the Communications and Power Center's operations. This amendment is also in conjunction with the closure of the Lockheed Martin Valley Forge license number 37-02006-05. The Radiation Safety Officer for the Valley Forge Site, Mr. Todd Williams, is coordinating the request to terminate license number 37-02006-05. Please reference control number 127073 regarding the closure of license number 37-02006-05.

LM-CPC requests that the thorium, which is currently listed on the LM-CPC SUB 831 license be transferred to license number 37-02006-09 and at the same time, requests termination of the SUB 831 license. The thorium machining performed at the LM-CPC site constitutes a small part of our radioactive materials use and the material is classed the same as the other radioactive material related to research and development.

LM-CPC also requests that the addition of byproduct material with atomic numbers 3 through 83 inclusive to the 37-02006-09 license. This request is specific to the testing of neutron irradiated electronic components which was originally listed on the 37-02006-05 license.

LM-CPC will require that the off-site laboratories performing neutron irradiation for LM-CPC electronic components hold the components for a minimum time of 24 hours post irradiation. The laboratories will perform gamma spectroscopy analysis after the 24 hour hold period to determine the radioisotopes present in the components. The isotopes identified must have half lives less than or equal 120 days, or they must be less than 1000 times the Appendix B, 10CFR 30 activities (the 1/r rule applies). The results of the gamma spectroscopy analysis shall be forwarded to the LM-CPC Radiation Safety Officer prior to shipment of the components back to Lockheed Martin.

The radioactive materials used at both the Newtown and Valley Forge sites will be under the control of the Radiation Safety Committee, a single Radiation Safety Officer, and one set of Standard Operating Procedures. The details of this requested License Amendment are enclosed.

**LOCKHEED MARTIN**  
Communications and Power Center

August 26, 1999

Mr. James M. Bondick  
Nuclear Materials Safety Branch  
US Nuclear Regulatory Commission: Region 1  
476 Allendale Road  
King of Prussia, PA 19406-1415

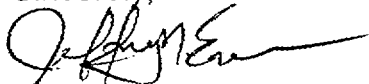
Subject: Amendment Application  
Reference: License No. 37-02006-09  
Docket No. 030-12894  
Control No. 117305

Dear Mr. Bondick:

Lockheed Martin Corporation, Communications and Power Center hereby submits an Amendment Application on Form 313, with Attachments (1 original, 1 copy), for the purpose of adding two items to the above referenced license. The intent of this amendment is to consolidate the use of radioactive materials at both the Valley Forge and Newtown, Pennsylvania sites as part of the Communications and Power Center's operations. This amendment is also in conjunction with the closure of the Lockheed Martin Valley Forge license number 37-02006-05. The Radiation Safety Officer for the Valley Forge Site, Mr. Todd Williams, is coordinating the request to terminate license number 37-02006-05. Please reference control number 127073 regarding the closure of license number 37-02006-05.

If you have any questions regarding this Amendment application, please contact me at 215-497-1312.

Sincerely,



Jeff Evans  
Radiation Safety Officer

Enclosures

Cc: K. Johnson-LM-CPC (w/o enclosures)  
E. Hoffman-LM-CPC (w/o enclosures)  
C. LumKong-LM-CPC (w/o enclosures)  
T. Williams-LM-VF  
File 5.4

1 2 7 2 5 4  
1 2 7 2 5 9

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(7-93)

10 CFR 31, 32, 33,  
34, 35, 36, 39 and 40

## APPLICATION FOR MATERIAL LICENSE

Estimated burden per response to comply with this information collection request: 7 hours. Submission of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Forward comments regarding burden estimate to the Information and Records Management Branch (T-8 P33), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to the Paperwork Reduction Project (3150-0120), Office of Management and Budget, Washington, DC 20503. NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

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 MATERIALS SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

## 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 LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION II  
101 MARQUETTA STREET, NW, SUITE 2000  
ATLANTA, GA 30333-0199

## 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  
801 WARRENVILLE RD.  
LIBLE, IL 60532-4391

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS,  
LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA,  
OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH,  
WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
811 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TX 76011-8094

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 37-02006-09  
☐ C. RENEWAL OF LICENSE NUMBER \_\_\_\_\_

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

Lockheed Martin Corporation  
Communications and Power Center  
100 Campus Drive  
Newtown, PA 18940

## 3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Communications and Power Center, 100 Campus Drive,  
Newtown, PA; Valley Forge Missiles and Space  
Operations, 230 Mall Blvd., King of Prussia, PA  
Also, please see Attachment 7.

## 4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Jeffrey N. Evans, RSO

## TELEPHONE NUMBER

215-497-1312

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 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 170.37)

FEE CATEGORY 3P

AMOUNT ENCLOSED \$ 0.00

## 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, 39 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, 1949 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.

## CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE

Kenneth R. Johnson, Vice President

## SIGNATURE

*Kenneth R. Johnson*

## DATE

8-26-99

## FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

pulled out 127254  
SEP - 9 1999  
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BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

Program Code: 11300  
Status Code: 0  
Fee Category: 2C  
Exp. Date: 20001031

Fee Comments:  
Decom Fin Assure Recd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: LOCKHEED MARTIN CORPORATION  
Received Date: 19990909  
Docket No: 4007344  
Control No.: 127259  
License No.: 508-031  
Action Type: Termination

2. FEE ATTACHED

Amount: /  
Check No.: /

3. COMMENTS

Reference 127254

Signed Rebecca D. Brown  
Date 9/10/99

RECEIVED  
7/26/99

B. LICENSE FEE MANAGEMENT BRANCH (Check when m

1. Fee Category and Amount:

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

Amendment  
Renewal  
License

3. OTHER

Signed  
Date

RECEIVED BY LFDOR	
Date	8 Sep 11 I (B)
Log	38
By	
Date Completed	9/24/99

NOTE TO DOCUMENT MANAGEMENT BRANCH (DMB):

THE ATTACHED DOCUMENTS ARE TO BE PROCESSED  
AS ONE MATERIALS LICENSING PACKAGE.

LICENSE NUMBER SUB-831

DOCKET NUMBER 040-87344

CONTROL NUMBER 127259

*Reference 127023 & 127254*

THIS SHEET MAY BE DISCARDED AFTER PROCESSING.

THANK YOU.

*TERMINATION*

LAT, DNMS, REGION I