

Lockheed Martin Federal Systems  
9500 Godwin Dr. Manassas, VA 20110-4157  
TELEPHONE: (703) 367-4281  
INTERNET: michael.heffernan@lmco.com



Diane Heim  
U.S. NRC / Region II  
61 Forsyth St. SW, Suite 23T85  
Atlanta, GA 30303  
June 10, 1997

45-15253-03  
030-19653

Diane,

With this letter Lockheed Martin Federal Systems Manassas (LMFSM) is applying for a renewal of our Materials License (#45-15253-03) as directed in the NRC's letter to me dated 4/28/97 from their Medical, Academic and Commercial Use Safety Branch (enclosed). Although the submission of a renewal fee is referenced in this letter, I have been informed by Rita Messier of the NRC's License Fees / Accounts Receivable Branch (301-415-6067) that no fee is owed for our License renewal at this time. Since we are requesting changes be made to our License, I have included a license amendment fee of \$360.00.

We are requesting that the following changes be made to our current License:

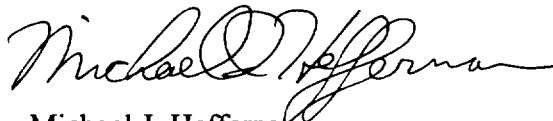
1. THE REMOVAL FROM OUR LICENSE OF THE FOLLOWING REFERENCED DOCUMENTS that are listed under item #19 in the "Conditions" section. These documents are merely an "historical accounting" of amendments to our previous Licenses that are now reflected in our current License:
  - a) Application dated January 2, 1992. This was an amendment to our License wherein our old Gammacell 220 was replaced with a J.L. Shepard Model 109 Irradiator. Both were used to irradiate electronic parts.
  - b) Letter dated March 13, 1992. This was a renewal application for our License. The documentation in item "1a" above was referenced in this communique.
  - c) Letter dated July 28th, 1992. This concerns the replacement of the site RSO.
  - d) Letter dated February 28, 1994. Ownership of the site was transferred from IBM to Loral Corp.

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- e) Letter dated May 21, 1996. This letter concerns a change in authorized users of the Irradiator.
  - f) Letter dated May 31, 1996. Ownership of the site was transferred from Loral to Lockheed Martin Federal Systems.
  - g) Letter dated June 12, 1996. This letter concerns amendments to our License (ie., name change, possession limit change and a change in RSO and supervisor personnel) and a clarification of the nature of the financial transaction through which Lockheed Martin purchased our site from Loral.
2. THE REPLACEMENT OF THE REMOVED DOCUMENTS (ABOVE) WITH A SINGLE DOCUMENT. This letter ("The LMFSM Radiation Safety Program", enclosed), when viewed with the wording of the current License, provides an accurate and up-to-date representation of the site's radiation safety program as it pertains to our Model 109 gamma irradiator.
3. THE REPLACEMENT OF TOM SCOTT WITH SPENCE CURTIS AS ALTERNATE RSO (Conditions 11 and 12). Spence Curtis has functioned as RSO in the past. I will enclose a description of his qualifications that can also be found in the letter (7/28/92) referenced in 1c above.

Please do not hesitate to call me at the number listed above if there are any questions.

Sincerely,



Michael J. Heffernan  
Radiation Safety Officer

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(7-96)

10 CFR 30, 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. Submittal 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-6 F33), 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 MARIETTA STREET, NW, SUITE 2900  
ATLANTA, GA 30323-0199

## 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.  
LISLE, IL 60532-4351

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  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TX 76011-8064

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)



NEW LICENSE

AMENDMENT TO LICENSE NUMBER 45-15253-03RENEWAL OF LICENSE NUMBER 45-15253-03

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

Michael J. Heffernan  
Lockheed Martin Federal Systems  
9500 Godwin Dr 115/015  
Manassas, VA 20110-4157

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

(see section 2)

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

Michael J. Heffernan

## TELEPHONE NUMBER

(703) 367-4281

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 170.31)

## FEE CATEGORY

AMOUNT  
ENCLOSED \$

## 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, 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.

## CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE

Michael J. Heffernan, Rad. Safety Officer

## SIGNATURE

Michael J. Heffernan

## DATE

6/10/97

## FOR NRC USE ONLY

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

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A.S."SPENCE" CURTIS - ADVISORY ENGINEER, ENVIRONMENTAL HEALTH

EDUCATION

- BS ENVIRONMENTAL HEALTH, FERRIS STATE COLLEGE, BIG RAPIDS, MI. 1973
- MPA PUBLIC ADMINISTRATION, WESTERN MICHIGAN UNIVERSITY, KALAMAZOO, MI. 1980
- VARIOUS IBM SPONSORED COURSES INCLUDING KEPNER TREGOE'S PROJECT MANAGEMENT AND PROBLEM SOLVING DECISION MAKING, PROCESS INDUSTRY PROJECT MANAGEMENT AND IBM NEW MANAGER SCHOOL.
- ENROLLED - OCCUPATIONAL & ENVIRONMENTAL RADIATION PROTECTION, HARVARD SCHOOL OF PUBLIC HEALTH. AUGUST 17-21, 1992.

EXPERIENCE:

1973-1980 WORKED FOR THE BRANCH-HILLSDALE-ST. JOSEPH DISTRICT HEALTH DEPARTMENT IN THE ENVIRONMENTAL HEALTH DIVISION. STAFF ENVIRONMENTAL HEALTH POSITION LEAD TO ASSIST DIRECTOR OF ENVIRONMENTAL HEALTH FOR ENFORCEMENT OF LOCAL, STATE AND FEDERAL REGULATIONS.

1980 JOINED IBM, MANASSAS, VA. HELD SEVERAL ENGINEERING POSITIONS, EXPERIENCE INCLUDES DEIONIZED WATER, GROUND WATER, CHEMICAL SYSTEMS, CRYOGENIC GASES, TOXIC AND HAZARDOUS GASES, AND ENVIRONMENTAL MASTER PLANNING. MANAGEMENT EXPERIENCE INCLUDES TOXIC AND HAZARDOUS GAS OPERATIONS AND ENGINEERING, ENVIRONMENTAL ENGINEERING, FACILITIES ENGINEERING AND DESIGN, MECHANICAL ENGINEERING, FACILITIES SYSTEMS ENGINEERING AND MAINTENANCE MANAGEMENT TEAM LEADER.

MAY 1992, JOINED ENVIRONMENTAL HEALTH AND SAFETY, WITH RESPONSIBILITIES TO INCLUDE CHEMICAL MANAGEMENT AND SAFETY, NON-IONIZING RADIATION, TOXIC AND HAZARDOUS GASES, SITE PROCESS HAZARD REVIEW, AND RADIATION SAFETY OFFICER.

JULY 28, 1992

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

APRIL 28, 1997

LOCKHEED/MARTIN FEDERAL SYSTS. INC  
9500 GODWIN DRIVE  
MANASSAS, VA 22110

License No. 45-15253-03  
Expiration Date: 07/31/97  
Program Code: 03520

Gentlemen:

SUBJECT: NOTICE OF EXPIRATION

Your NRC license specified above will expire on the date shown. If you wish to continue your program, you must submit an application for license renewal in accordance with the enclosed instructions. Please pay particular attention to the enclosed instruction because due to major regulation changes or several major amendments to your license, you may be required to submit a complete renewal application that is complete in all respects and does not need to refer to any previous license documentation. You are also reminded that you are required to comply with the applicable provisions of the revised 10 CFR Part 20 which became effective January 1, 1994.

If your application for license renewal is filed at least 30 days before the expiration date of your license and the application is accompanied by the appropriate fee for license renewal (see 10 CFR 170.31), your license will remain in effect until final action is taken on your application. However, if your application is filed less than 30 days before the expiration date and it cannot be processed before that date, you would be without a valid license when the license expires. You would have to place the material in locked storage pending a decision on your application and could not use the material until a new license is issued. Use of the material after the expiration date may subject you to enforcement action as described below.

If you do not wish to renew your license, you must dispose of or transfer all licensed radioactive material in your possession in an authorized manner (see 10 CFR 30.36), complete the enclosed Form NRC-314, "Certificate of Disposition of Materials," and return it before the expiration date of your license with a request that your license be terminated. If you cannot dispose of or transfer all licensed radioactive material in your possession before the expiration date, you must request a license renewal for storage only of the radioactive material to avoid enforcement action for violations involving possession of licensable material without a valid license. Enforcement action may include a substantial civil monetary penalty as well as daily civil penalties of \$500 per day until you achieve compliance.

This notice of your license expiration is sent for your convenience and it should not be interpreted that similar notices will be sent in the future. The responsibility for timely submission of license renewal remains with the licensee. If you have any questions regarding this notice or license expiration/renewal, please contact our Regional Office that handles your license.

Medical, Academic and Commercial  
Use Safety Branch  
Division of Industrial and  
Medical Nuclear Safety

Enclosures:

1. Renewal Instructions
2. Form 313
3. Form 314
4. 10 CFR Parts 30 and 170
5. Reg. Guide 10.9

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## INSTRUCTIONS FOR PREPARATION OF APPLICATION FOR LICENSE RENEWAL

In the past, we have requested that renewal applications be submitted in their entirety, with no references to previous submittals. This ensured that complete, up-to-date information on licensee programs was submitted at least every 5 years. If you so choose, you may submit a complete, up-to-date renewal application in duplicate with proper fee, as has been done in the past.

However, in order to simplify the license renewal procedures and save paperwork, you may wish to consider an alternative which would allow submittal of only the essential information which is necessary for us to assess your current program and any changes you may request. If you chose this alternative, you should do the following:

1. Review your current license to determine that the information concerning the radionuclides, chemical and/or physical forms of the radionuclides, quantities you wish to possess, and uses for the radionuclides accurately represents your current and anticipated program. Identify any additions, deletions, or other changes. For additions or other changes, you must prepare information concerning personnel, facilities, equipment, and radiation safety procedures appropriate for the requested additions and changes.
2. Review the documents you have submitted in the past to determine that the information in them is up-to-date and accurately represents your management control program, facilities, equipment, personnel, radiation safety procedures, waste disposal procedures, location(s) of use, and any other information pertinent to your program. The documents which you consider to be those which represent your current program MUST BE IDENTIFIED BY DATE. Any out-of-date and superseded documents should also be identified for removal. (Those documents which you have submitted in the past which are part of your license are referenced usually in the last condition of your current license.) Changes should be made in the documents, as necessary, to reflect your current program.
3. Review NRC regulations to assure that any changes in the regulations are appropriately covered in your program description.
4. After you have completed your review as specified in Items 1, 2, and 3, submit a letter requesting renewal of your license and SUBMIT A COPY of those documents which reflect your current program. The letter and documents must be submitted, in duplicate together with the proper fee.

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5. If your current license and/or supporting documents do not reflect your current program, you should identify and specify changes as appropriate. If you request additional authorization and changes in your program, you should include appropriate supporting documents in duplicate.
6. Please include the name and telephone number of the person who may be contacted concerning your renewal application, and include your correct mailing address if it is not indicated correctly on your license.
7. Mail your application to the appropriate address shown in 10 CFR Sections 30.6, 40.5, or 70.5.

It is important that the information you provide in your application for license renewal, which will become part of your license by reference, accurately reflects your program. You will be expected to fulfill the commitments you make. You will be inspected against those commitments as well as NRC regulations and the terms and conditions of your license.

After our review of your application for license renewal, we reserve the right to request any additional information, including a complete up-to-date application, which we may deem necessary prior to issuance of a renewed license. In particular, up-to-date information may be requested for licenses which have been amended frequently or are supported by a large number of fragmented or disjointed documents.

Your renewal application may not be processed immediately by NRC; however, NRC will confirm receipt of any application received before the date of license expiration. This confirmation will also indicate that your current license will not expire until final action has been taken by NRC.

Because renewal applications are processed by NRC at a lower priority than amendment request, you should make a separate application if your license requires immediate amendment. Otherwise, you will be subject to citation by an NRC inspector for violations of your current license identified before your renewed license is issued and for which you have not submitted a request for license amendment.

An important element of the regulatory process is the maintenance of an up-to-date license. It is your responsibility to request a license amendment for changes you wish to make in your program. Changes in your program may not be implemented until you receive the license amendment. If your license is kept up-to-date, future license renewals should be simple and straightforward.

UNITED STATES NUCLEAR REGULATORY COMMISSION  
RULES and REGULATIONS

TITLE 10, CHAPTER 1, CODE OF FEDERAL REGULATIONS - ENERGY

**PART  
170**

**FEEs FOR FACILITIES, MATERIALS, IMPORT AND EXPORT  
LICENSES AND OTHER REGULATORY SERVICES  
UNDER THE ATOMIC ENERGY ACT OF 1954, AS AMENDED**

170.2(f)

**GENERAL PROVISIONS**

- Sec.  
170.1 Purpose.  
170.2 Scope.  
170.3 Definitions.  
170.4 Interpretations.  
170.5 Communications.  
170.8 Information collection requirements:  
OMB approval.  
170.11 Exemptions.  
170.12 Payment of fees.  
170.20 Average cost per professional staff  
hour.

58 FR 38686  
[ Authority: 31 U.S.C. 9701; sec. 301, Pub.  
L. 92-314, 86 Stat. 222 (42 U.S.C. 2201w);  
sec. 201, 88 Stat. 1242, as amended (42  
U.S.C. 5841); sec. 205, Pub. L. 101-576, 104  
Stat. 2842, (31 U.S.C. 902). ]

**GENERAL PROVISIONS**

**§ 170.1 Purpose.**

40 FR 8794  
[ The regulations in this part set out  
fees charged for licensing services ren-  
dered by the Nuclear Regulatory Com-  
mission as authorized under Title V of  
the Independent Offices Appropria-  
tion Act of 1952 (65 Stat. 290; 31  
U.S.C. 483a) and provisions regarding  
their payment. ]

**SCHEDULE OF FEES**

- 170.21 Schedule of fees for production  
and utilization facilities, review of  
standard referenced design approvals,  
special projects, inspections, and  
import and export licenses.  
170.31 Schedule of fees for materials licenses and  
other regulatory services, including inspec-  
tions, and import and export licenses.  
170.32 Schedule of fees for health and  
safety, and safeguards inspections for  
materials licenses.

**ENFORCEMENT**

- 170.41 Failure by applicant or licensee to  
pay prescribed fees.  
170.51 Right to review and appeal of pre-  
scribed fees.

**§ 170.2 Scope.**

52 FR 8225  
[ Except for persons who apply for or  
hold the permits, licenses, or approv-  
als exempted in § 170.11, the regula-  
tions in this part apply to a person  
who is: ]

58 FR 7715  
[ (a) An applicant for or holder of a  
specific byproduct material license  
issued pursuant to Parts 30 and 32  
through 36 and 39 of this chapter. ]

(b) An applicant for or holder of a  
specific source material license issued  
pursuant to Part 40 of this chapter;

(c) An applicant for or holder of a  
specific special nuclear material li-  
cense issued pursuant to Part 70 of  
this chapter;

(d) An applicant for or holder of spe-  
cific approval of spent fuel casks and  
shipping containers issued pursuant to  
Part 71 of this chapter;

(e) An applicant for or holder of a  
specific license to possess power reac-  
tor spent fuel and other radioactive  
materials associated with spent fuel  
storage in an independent spent fuel  
storage installation issued pursuant to  
Part 72 of this chapter;

(f) An applicant for or holder of a  
specific approval of sealed sources and  
devices containing byproduct material  
source material, or special nuclear ma-  
terial; ]



## SCHEDULE OF MATERIALS FEES—Continued

(See footnotes at end of table)

Category of materials licenses and type of fees <sup>1</sup>	Fee <sup>2,3</sup>
C. Licenses for possession and use of special nuclear material in sealed sources contained in devices used in industrial measuring systems, including x-ray fluorescence analyzers: <sup>4</sup>	
Application—New license .....	\$550.
Amendment .....	\$300.
D. All other special nuclear material licenses, except licenses authorizing special nuclear material in unsealed form in combination that would constitute a critical quantity, as defined in § 150.11 of this chapter, for which the licensee shall pay the same fees as those for Category 1A: <sup>4</sup>	
Application—New license .....	\$600.
Amendment .....	\$290.
E. Licenses for construction and operation of a uranium enrichment facility:	
Application .....	\$125,000.
License, Renewal, Amendment .....	Full Cost.
Inspections .....	Full Cost.
2. Source material:	
A. (1) Licenses for possession and use of source material in recovery operations such as milling, in-situ leaching, heap-leaching, refining uranium mill concentrates to uranium hexafluoride, ore buying stations, ion exchange facilities and in processing of ores containing source material for extraction of metals other than uranium or thorium, including licenses authorizing the possession of byproduct waste material (tailings) from source material recovery operations, as well as licenses authorizing the possession and maintenance of a facility in a standby mode:	
License, Renewal, Amendment .....	Full Cost.
Inspections .....	Full Cost.
(2) Licenses that authorize the receipt of byproduct material, as defined in Section 11e(2) of the Atomic Energy Act, from other persons for possession and disposal except those licenses subject to fees in Category 2.A. (1):	
License, renewal, amendment .....	Full Cost.
Inspections .....	Full Cost.
(3) Licenses that authorize the receipt of byproduct material, as defined in Section 11e(2) of the Atomic Energy Act, from other persons for possession and disposal incidental to the disposal of the uranium waste tailings generated by the licensee's milling operations, except those licenses subject to the fees in Category 2.A. (1):	
License, renewal, amendment .....	Full Cost.
Inspections .....	Full Cost.
B. Licenses which authorize the possession, use and/or installation of source material for shielding:	
Application—New license .....	\$160.
Amendment .....	\$240.
C. All other source material licenses:	
Application—New license .....	\$2,800.
Amendment .....	\$420.
3. Byproduct material:	
A. Licenses of broad scope for possession and use of byproduct material issued pursuant to Parts 30 and 33 of this chapter for processing or manufacturing of items containing byproduct material for commercial distribution:	
Application—New license .....	\$3,000.
Amendment .....	\$550.
B. Other licenses for possession and use of byproduct material issued pursuant to Part 30 of this chapter for processing or manufacturing of items containing byproduct material for commercial distribution:	
Application—New license .....	\$1,200.
Amendment .....	\$580.
C. Licenses issued pursuant to §§ 32.72, 32.73, and/or 32.74 of this chapter authorizing the processing or manufacturing and distribution or redistribution of radiopharmaceuticals, generators, reagent kits and/or sources and devices containing byproduct material:	
Application—New license .....	\$4,100.
Amendment .....	\$520.
D. Licenses and approvals issued pursuant to §§ 32.72, 32.73, and/or 32.74 of this chapter authorizing distribution or redistribution of radiopharmaceuticals, generators, reagent kits and/or sources or devices not involving processing of byproduct material:	
Application—New license .....	\$1,500.
Amendment .....	\$430.
E. Licenses for possession and use of byproduct material in sealed sources for irradiation of materials in which the source is not removed from its shield (self-shielded units):	
Application—New license .....	\$1,200.
Amendment .....	\$360.
F. Licenses for possession and use of less than 10,000 curies of byproduct material in sealed sources for irradiation of materials in which the source is exposed for irradiation purposes. This category also includes underwater irradiators for irradiation of materials where the source is not exposed for irradiation purposes:	
Application—New license .....	\$1,500.
Amendment .....	\$370.
G. Licenses for possession and use of 10,000 curies or more of byproduct material in sealed sources for irradiation of materials in which the source is exposed for irradiation purposes. This category also includes underwater irradiators for irradiation of materials where the source is not exposed for irradiation purposes:	
Application—New license .....	\$6,000.
Amendment .....	\$780.

61 FR 16203