FORM AEC-374 (12-57)

U. S. ATOMIC ENERGY COMMISSION

Page 1 of 1 Pages

BYPRODUCT MATERIAL LICENSE

19-1398-22, AMENDMENT NO. (L62)

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 30, Licensing of Byproduct Material, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer and import byproduct material listed below; and to use such byproduct material for the purpose(s) and at the place(s) designated below. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

Licensee	
1. Name Martin-Marietta Corporation Nuclear Division	3. License number In accordance with application dated March 5, 1962, 19-1398-22 is amended in it entirety to read as follows
2. Address Baltimore 3, Maryland	4. Expiration date December 31, 1962
	5. Reference No.

6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioactivity which licensee may possess at any one time
A. Any byproduct material between Atomic Nos. 1 and 83, inclusive (See page 2)	A. Any (See page 2)	A. 500 millicuries (See page 2)

9. Authorized use
   A. Possession incident to decontamination of facilities in preparation for alteration and installation of new equipment.
   B. thru E. Laboratory check of analytical procedures.

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.

11. Byproduct material may only be used at Radioactive Materials Laboratory in facilities leased from the Pennsylvania State University of Quehanna, Pennsylvania.

12. The licensee shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards for Protection Against Radiation."

13. Byproduct material shall be used by, or under the supervision of, Donald L. Peters, James F. Bresson, Herman Alderman, or William B. Stringham.

14. Byproduct material shall not be used in or on human beings, in products distributed to the public, or in field applications where such activity is released.

15. The licensee is not authorized to open shipping and storage casks containing byproduct material stored at the Radioactive Materials Laboratory under a specific license issued to a person other than Martin-Marietta Corporation. Said casks may be moved by personnel of Martin-Marietta Corporation only with the permission of the person possessing said specific license. (See page 2)

MATERIAL LICENSE

Supplementary Sheet

Continued From Page 1

License Number 19-1398-22 (L62)

AMENDMENT NO. 4

6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioactivity which licensee may possess at any one time
B. Strontium 90 - Yttrium 90	B. Any	B. 10 millicuries
C. Americium 241	C. Any	C. 10 millicuries
D. Curium 242	D. Any	D. 10 millicuries
E. Any byproduct material between Atomic Nos. 3 and 83, inclusive	E. Mixed fission products	E. 10 millicuries

CONDITIONS

16. Except as provided otherwise by this license, the licensee shall possess and use byproduct material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in the application for license, and amendments thereto if any, submitted by the licensee's predecessor, the Martin Company; letter from the Martin Company dated October 10, 1961; letter from Martin-Marietta Corporation dated October 17, 1961; and application dated March 5, 1962.

17. Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 70, "Special Nuclear Material," you are further licensed to receive, possess, and use the special nuclear material resulting from the decay of Curium 242. This license shall be deemed to contain the conditions specified in Section 70.32(a) of said regulations.

For the U. S. Atomic Energy Commission

Date MAR 26 1962

DUPLICATED FOR FILE OF COMPLIANCE

By Original Signed by Lyall Johnson

Division of Licensing and Regulation
Washington 25, D. C.

REB 3/23/62

3-23-62

FORM AEC-374
(12-57)

U. S. ATOMIC ENERGY COMMISSION

BYPRODUCT MATERIAL LICENSE No. 19-1398-22, AGREEMENT NO. (L61)

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 30 Licensing of Byproduct Material, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer and import byproduct material listed below; and to use such byproduct material for the purpose(s) and at the place(s) designated below. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

Licensee	
1. Name Martin-Marietta Corporation Nuclear Division	3. License number In accordance with application dated March 5, 1962, 19-1398-22 is amended in its entirety to read as follows
2. Address Baltimore 3, Maryland	4. Expiration date December 31, 1962
	5. Reference No.

6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioactivity which licensee may possess at any one time
A. Any byproduct material between Atomic Nos. 1 and 83, inclusive	A. Any	A. 500 millicuries
(See page 2)	(See page 2)	(See page 2)

9. Authorized use
A. Possession incident to decontamination of facilities in preparation for alteration and installation of new equipment.
B. thru E. Laboratory check of analytical procedures.

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.

11. Byproduct material may only be used at Radioactive Materials Laboratory in facilities leased from the Pennsylvania State University of Quehanna, Pennsylvania.

12. The licensee shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards for Protection Against Radiation."

13. Byproduct material shall be used by, or under the supervision of, Donald L. Peters, James F. Bresson, Herman Alderman, or William S. Stringham.

14. Byproduct material shall not be used in or on human beings, in products distributed to the public, or in field applications where such activity is released.

15. The licensee is not authorized to open shipping and storage casks containing byproduct material stored at the Radioactive Materials Laboratory under a specific license issued to a person other than Martin-Marietta Corporation. Said casks may be moved by personnel of Martin-Marietta Corporation only with the permission of the person possessing said specific license. (See page 2)

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MATERIAL LICENSE

Supplementary Sheet

Continued From Page 1

License Number 19-1398-22 (162)

AMENDMENT NO. 4

6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioactivity which licensee may possess at any one time
B. Strontium 90 - Yttrium 90	B. Any	B. 10 millicuries
C. Americium 241	C. Any	C. 10 millicuries
D. Curium 242	D. Any	D. 10 millicuries
E. Any byproduct material between Atomic Nos. 3 and 83, inclusive	E. Mixed fission products	E. 10 millicuries

CONDITIONS

16. Except as provided otherwise by this license, the licensee shall possess and use byproduct material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in the application for license, and amendments thereto if any, submitted by the licensee's predecessor, the Martin Company; letter from the Martin Company dated October 10, 1961; letter from Martin-Marietta Corporation dated October 17, 1961; and application dated March 5, 1962.

17. Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 70, "Special Nuclear Material," you are further licensed to receive, possess, and use the special nuclear material resulting from the decay of Curium 242. This license shall be deemed to contain the conditions specified in Section 70.32(a) of said regulations.

MAR 26 1962

Date

For the U. S. Atomic Energy Commission

Original Signed by
Lyall Johnson

by

Division of Licensing and Regulation
Washington 25, D. C.

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