

Office Memorandum • UNITED STATES GOVERNMENT

TO : L. R. Rogers, Radiation Safety Branch of
Division of Licensing and Regulation, Washington, D. C. DATE: January 17, 1958

FROM : J. R. Mason, Chief, Isotope Extension
Division of Licensing and Regulation, Oak Ridge

SUBJECT: LICENSE NUMBER 4-580-6A60 (PROPOSED)

Attention: C. M. Ferrell

SYMBOL: IEB:RLH

You will find enclosed the original and four copies of proposed License Number 4-580-6A60 as per R. L. Herwin's telephone conversation with C. M. Ferrell on January 17, 1958.

Encl:
Proposed Lic. No. 4-580-6A60 (5 copies)

A/8

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

PROPOSED

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	Isotopes Specialties Company, Inc. Industrial Department	3. License number 4-580-6A60
2. Address	170 West Providencia Burbank, California	4. Expiration date January 31, 1960
		5. Reference No. 4-580-3
6. Byproduct material (element and mass number) Any byproduct material between Atomic Numbers 3-83, inclusive, and source materials.	7. Chemical and/or physical form Any form as waste materials.	8. Maximum amount of radioactivity which licensee may possess at any one time 100 curies total of byproduct and source material wastes.
9. Authorized use		
1. Collection of byproduct and source materials in the form of wastes from A.E.C. licensed users.		
2. Preparation of waste materials for storage and disposal.		
3. Sea disposal of byproduct and source material wastes.		

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
11. Byproduct and source materials to be handled by, or under the supervision of individuals designated by the Radioisotope Committee, Allen M. Goldstein, General Manager.
12. Written administrative instructions covering appropriate radiological protection phases of operational procedures and establishing responsibility for radiological protection, control, and security of the byproduct material shall be supplied individuals handling or having responsibility for handling of such material.
13. At least 10 days prior to each disposal event, the licensee shall notify the Atomic Energy Commission of the ownership and description of vessel used for sea disposal, proposed date for disposal, location (longitude and latitude) of disposal site, total number of containers (barrels, etc.), the total activity in millicuries and the most hazardous radioisotope(s) contained in each container.

(Continued on page 2)

For the U. S. Atomic Energy Commission

Date January 30, 1958

by

Chief, Isotopes Extension
PROPOSED Div. of Licensing & Regulation
Oak Ridge, TennesseeIsotopes Extension
Division of Civilian Applications
Oak Ridge, Tennessee

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U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

Supplementary Sheet

PROPOSEDLicense Number 4-580-6A60

(Continued)

14. The licensee shall comply with the following conditions for transportation of licensed material outside of a restricted area: Every motor vehicle transporting a radioactive material with quantity greater than 500 milligrams must be marked or placarded "Caution - Radioactive Material", on each side and the rear with a placard or lettering not less than 3 inches high on a contrasting background.

15. Service to be performed in accordance with application dated December 2, 1957, and previous related correspondence which includes:

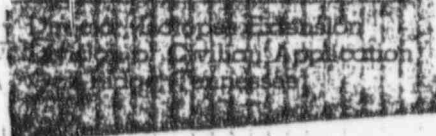
Letter - A. M. Goldstein to J. E. Magurek, dated October 13, 1955.
Letter - A. M. Goldstein to J. E. Magurek, dated November 18, 1955.
Letter - A. M. Goldstein to L. R. Rogers, dated August 28, 1956.
Letter - A. M. Goldstein to L. R. Rogers, dated September 13, 1956.

For the U. S. Atomic Energy Commission

Date January 30, 1958

by _____

Chief, Isotopes Extension,
Div. of Licensing & Regulation
Oak Ridge, Tennessee





U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSEPROPOSED

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 Isotopes Specialties Company, Inc.	3. License number 4-580-6460	
2. Address Industrial Department 170 West Providence Burbank, California	4. Expiration date January 31, 1960	
	5. Reference No. 4-580-3	
6. Byproduct material (element and mass number) Any byproduct material between Atomic Numbers 3-83, inclusive, and source materials.	7. Chemical and/or physical form Any form as waste materials.	8. Maximum amount of radioactivity which licensee may possess at any one time 100 curies total of byproduct and source material wastes.

9. Authorized use

1. Collection of byproduct and source materials in the form of wastes from A.E.C. licensed users.
2. Preparation of waste materials for storage and disposal.
3. Sea disposal of byproduct and source material wastes.

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
11. Byproduct and source materials to be handled by, or under the supervision of individual designated by the Radioisotope Committee, Allen M. Goldstein, General Manager.
12. Written administrative instructions covering appropriate radiological protection phases of operational procedures and establishing responsibility for radiological protection, control, and security of the byproduct material shall be supplied individuals handling or having responsibility for handling of such material.
13. At least 10 days prior to each disposal event, the licensee shall notify the Atomic Energy Commission of the ownership and description of vessel used for sea disposal, proposed date for disposal, location (longitude and latitude) of disposal site, total number of containers (barrels, etc.), the total activity in millicuries and the most hazardous radioisotope(s) contained in each container.

(Continued on page 2)

For the U. S. Atomic Energy Commission

Date January 30, 1958by _____
Chief, Isotopes Extension
Div. of Licensing & Regulation
Oak Ridge, TennesseeDirector, Isotopes Extension
Division of Civilian Application
Oak Ridge, Tennessee

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BYPRODUCT MATERIAL LICENSE

Supplementary Sheet

PROPOSED

License Number 4-580-6A60

(Continued)

14. The licensee shall comply with the following conditions for transportation of licensed material outside of a restricted area: Every motor vehicle transporting a radioactive material with quantity greater than 500 millicuries must be marked or placarded "Caution - Radioactive Material", on each side and the rear with a placard or lettering not less than 3 inches high on a contrasting background.
15. Service to be performed in accordance with application dated December 2, 1957, and previous related correspondence which includes:

Letter - A. M. Goldstein to J. E. Machurek, dated October 13, 1955.
Letter - A. M. Goldstein to J. E. Machurek, dated November 28, 1955.
Letter - A. M. Goldstein to L. R. Rogers, dated August 28, 1956.
Letter - A. M. Goldstein to L. R. Rogers, dated September 13, 1956.

For the U. S. Atomic Energy Commission

Date January 30, 1958

by -----

Extension
Licensing & Regulation
Oak Ridge, Tennessee

Director, Isotopes Extension
Division of Civilian Application
Oak Ridge, Tennessee

U.S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSEPROPOSED

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 1, of Byproduct Material, and in reliance on statements and representations heretofore made by the licensee, 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	Isotopes Specialties Company, Inc. Industrial Department	3. License number 4-580-6A60
2. Address	170 West Providencia Burbank, California	4. Expiration date January 31, 1960
		5. Reference No. 4-580-3
6. Byproduct material (element and mass number) Any byproduct material between Atomic Numbers 3-83, inclusive, and source materials.	7. Chemical and/or physical form Any form as waste materials.	8. Maximum amount of radioactivity which licensee may possess at any one time 100 curies total of byproduct and source material wastes.
9. Authorized use		
1. Collection of byproduct and source materials in the form of wastes from A.E.C. licensed users.		
2. Preparation of waste materials for storage and disposal.		
3. Sea disposal of byproduct and source material wastes.		

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
11. Byproduct and source materials to be handled by, or under the supervision of individual designated by the Radioisotope Committee, Allen M. Goldstein, General Manager.
12. Written administrative instructions covering appropriate radiological protection phases of operational procedures and establishing responsibility for radiological protection, control, and security of the byproduct material shall be supplied individuals handling or having responsibility for handling of such material.
13. At least 10 days prior to each disposal event, the licensee shall notify the Atomic Energy Commission of the ownership and description of vessel used for sea disposal, proposed date for disposal, location (longitude and latitude) of disposal site, total number of containers (barrels, etc.), the total activity in millicuries and the most hazardous radioisotope(s) contained in each container.

(Continued on page 2)

For the U. S. Atomic Energy Commission

Date January 30, 1958

by

Chief, Isotopes Extension	Director, Isotopes Extension
Div. of Licensing & Regulation	Division of Civilian Application
Oak Ridge, Tennessee	Oak Ridge, Tennessee

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U.S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

Page 2 of 2 Pages

Supplementary Sheet
PROPOSED

License Number 4-580-A60

(Continued)

14. The licensee shall comply with the following conditions for transportation of licensed material outside of a restricted area: Every motor vehicle transporting a radioactive material with quantity greater than 500 millicuries must be marked or placarded "Caution - Radioactive Material", on each side and the rear with a placard or lettering not less than 3 inches high on a contrasting background.
15. Service to be performed in accordance with application dated December 2, 1957, and previous related correspondence which includes:

Letter - A. M. Goldstein to J. E. Machurek, dated October 13, 1955.
Letter - A. M. Goldstein to J. E. Machurek, dated November 28, 1955.
Letter - A. M. Goldstein to L. R. Rogers, dated August 28, 1956.
Letter - A. M. Goldstein to L. R. Rogers, dated September 13, 1956.

For the U.S. Atomic Energy Commission

Date January 30, 1958

By -----
Director, Isotopes Extension
Division of Civilian Application
Oak Ridge, Tennessee

Chief, Isotopes Extension
Div. of Licensing & Regulation
Oak Ridge, Tennessee

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE**PROPOSED**

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	Isotopes Specialties Company, Inc.	3. License number
	Industrial Department	4-580-4160
2. Address	170 West Providence	4. Expiration date
	Barbours, California	January 31, 1960
		5. Reference No.
		4-580-3
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
Any byproduct material be- tween Atomic Numbers 3-83, inclusive, and source materials.	Any form as waste materials.	100 curies total of byproduct and source material wastes.
9. Authorized use		
1. Collection of byproduct and source materials in the form of wastes from A.E.C. licensed users.		
2. Preparation of waste materials for storage and disposal.		
3. Sea disposal of byproduct and source material wastes.		

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
11. Byproduct and source materials to be handled by, or under the supervision of individual designated by the Radioisotope Committee, Allen E. Goldstein, General Manager.
12. Written administrative instructions covering appropriate radiological protection phases of operational procedures and establishing responsibility for radiological protection, control, and security of the byproduct material shall be supplied individuals handling or having responsibility for handling of such material.
13. At least 10 days prior to each disposal event, the licensee shall notify the Atomic Energy Commission of the ownership and description of vessel used for sea disposal, proposed date for disposal, location (longitude and latitude) of disposal site, total number of containers (barrels, etc.), the total activity in millimuries and the most hazardous radioisotope(s) contained in each container.

(Continued on page 2)

For the U. S. Atomic Energy Commission

Date **January 30, 1958**by _____
Chief, Isotopes Extension
Div. of Licensing & Regulation
Oak Ridge, TennesseeDirector, Isotopes Extension
Division of Civilian Application
Oak Ridge, Tennessee

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U.S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

Supplementary Sheet

PROPOSED

License Number

4-580-6460

(Continued)

14. The licensee shall comply with the following conditions for transportation of licensed material outside of a restricted area: Every motor vehicle transporting a radioactive material with quantity greater than 900 millicuries must be marked or placarded "Caution - Radioactive Material", on each side and the rear with a placard or lettering not less than 3 inches high on a contrasting background.
15. Service to be performed in accordance with application dated December 2, 1957, and previous related correspondence which includes:

Letter - A. M. Goldstein to J. E. Machurek, dated October 13, 1955.
Letter - A. M. Goldstein to J. E. Machurek, dated November 28, 1955.
Letter - A. M. Goldstein to L. R. Rogers, dated August 28, 1956.
Letter - A. M. Goldstein to L. R. Rogers, dated September 13, 1956.

For the U.S. Atomic Energy Commission

by

Date

January 30, 1958

Isotopes Extension
Div. of Licensing & Regulation
Oak Ridge, Tennessee

Director, Isotopes Extension
Division of Civilian Application
Oak Ridge, Tennessee

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

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Licensee 1. Name Isotopes Specialties Company, Inc. Industrial Department 2. Address 170 West Providence Barbours, California		3. License number h-580-6460 4. Expiration date January 31, 1960 5. Reference No. h-580-3
6. Byproduct material (element and mass number) Any byproduct material between Atomic Numbers 3-83, inclusive, and source materials.	7. Chemical and/or physical form Any form as waste materials.	8. Maximum amount of radioactivity which licensee may possess at any one time 100 curies total of byproduct and source material wastes.
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(Continued on page 2)

For the U. S. Atomic Energy Commission

Date January 30, 1958

by _____
Director, Isotopes Extension
Division of Civilian Application
Oak Ridge, Tennessee

U. S. Atomic Energy Commission
Oak Ridge, Tennessee

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U.S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

Page 2 of 2 Pages

Supplementary Sheet
PROPOSED

License Number 4-580-6A60

(Continued)

14. The licensee shall comply with the following conditions for transportation of licensed material outside of a restricted area: "every motor vehicle transporting a radioactive material with quantity greater than 500 millicuries must be marked or placarded "Caution - Radioactive Material", on each side and the rear with a placard or lettering not less than 3 inches high on a contrasting background.
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Letter - A. M. Goldstein to L. R. Rogers, dated August 28, 1956.
Letter - A. M. Goldstein to L. R. Rogers, dated September 13, 1956.

January 10, 1958

Date

For the U.S. Atomic Energy Commission

by

Isotopes Extension
Div. of Licensing & Regulation
Oak Ridge, Tennessee

Director, Isotopes Extension
Division of Civilian Application
Oak Ridge, Tennessee