

License Nos.: 37-00030-02  
37-00030-08

Docket Nos.: 03005980  
03005982

Safety Light Corporation

Title: United States Radium Corp License No. GL 237

This document is Exhibit No. 5 to NRC Staff's Motion for Summary Disposition As To NRC Jurisdiction Over USR Industries, Inc., USR Lighting, Inc., USR Chemical Products, Inc., USR Metals, Inc., and USR Natural Resources, Inc., dated June 30, 1992 (ML040230156) and NRC Staff's Statement of Undisputed Material Facts As to Which No Genuine Issue Remains (ML040230151)

List of all Exhibits at ML040220785.

**J. S. ATOMIC ENERGY COMMISSION  
BYPRODUCT MATERIAL LICENSE**

Staff Exh. 5

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.

<b>Licensee</b>		
<b>1. Name</b> United States Radium Corporation	<b>2. License number</b> GL 237 (A67)	
<b>2. Address</b> 4150 Old Berwick Road Bloomsburg, Pennsylvania 17815	<b>3. Expiration date</b> January 31, 1967	
	<b>5. Reference No.</b>	
<b>6. Byproduct material</b> (element and mass number)	<b>7. Chemical and/or physical form</b>	<b>8. Maximum amount of radioactivity</b> which licensee may possess at any one time
A. Hydrogen 3	A. Sealed sources (U. S. Radium Model LAB 785)	A. As limited by AEC License No. 37-30-2

9. Authorized use: A. Pursuant to Section 32.51, Title 10, Code of Federal Regulations, Part 32, the licensee is authorized to manufacture luminous devices specified in Condition No. 10 of this license subject to the conditions and limitations contained herein and to distribute such devices to persons generally licensed pursuant to Section 31.5, Title 10, Code of Federal Regulations, Part 31, or equivalent provisions of the regulations of any Agreement State.

**CONDITIONS**

10. The following luminous devices may be manufactured and distributed pursuant to the terms and conditions of this license:

<u>U. S. Radium Drawing No.</u>	<u>Type</u>	<u>Maximum Total Activity</u>
LAB 737-2, <del>Rev. B</del>	EXIT sign	10½ curies
LAB 737-2a	EXIT sign	6½ curies
LAB 737-2b	Arrow sign	4 curies

11. U. S. Radium Corporation shall furnish to each general licensee to whom it transfers a generally licensed device a copy of Section 31.5, 10 CFR 31; Sections 30.34 and 30.51 through 30.63, 10 CFR 30; Sections 20.402 and 20.403, 10 CFR 20; and Appendix 10 CFR 20.

12. This license does not authorize the export of Hydrogen 3.

(See Page 2)

BYPRODUCT MATERIAL LICENSE

Supplementary Sheet

License Number GL 237  
(A67)

CONDITIONS

13. A. Each device distributed under this license shall be provided with a durable label(s) which contains the statements:

1. "The receipt, possession, use, and transfer of this device, Model No. \_\_\_\_\_, Serial No. \_\_\_\_\_, are subject to a general license or the equivalent and the regulations of the U. S. Atomic Energy Commission or a state with which the AEC has entered into an agreement for the exercise of regulatory authority." (The model and serial number may be omitted from this statement provided they are elsewhere specified in labeling affixed to the device.)
2. "DO NOT DISMANTLE OR OPEN THIS SIGN unless specifically licensed by AEC or an Agreement State."
3. "DO NOT ABANDON OR DISPOSE OF THIS SIGN except by transfer to persons specifically licensed by AEC or an Agreement State."
4. "Use of this sign is prohibited if there is any indication of failure of, or damage to, containment of radioactive material."

B. Each device shall also be provided with a label containing the radiation symbol in conventional colors, magenta or purple on yellow background, the words "CAUTION (or DANGER) RADIOACTIVE MATERIAL", the identity and quantity of radioactive material and its date of measurement and the name of the distributor of the device.

C. Each label required by this condition shall contain the statement, "Removal of this label is prohibited".

14. A durable, clearly visible label bearing the statement, "Licensed by U.S. AEC. See instructions on back before disposal", shall be affixed to the front plate of each device distributed under this license.

15. The licensee shall report to the Director, Division of Materials Licensing, U. S. Atomic Energy Commission, Washington, D. C. 20545, all transfers of devices distributed under this license to persons generally licensed pursuant to Section 31.5, 10 CFR 31. Such reports shall identify each general licensee by name and address, the number and type of devices transferred, and the quantity of byproduct material contained in each device. The report shall be submitted within thirty days after the end of each calendar quarter in which any such device is transferred to a generally licensed person.

16. Except as specifically provided otherwise by this license, devices distributed under this license shall be manufactured, tested, and labeled in accordance with the provisions of this license and letter dated December 6, 1965, from C. C. Carroll.

JAN 13 1966

Date \_\_\_\_\_

For the U. S. Atomic Energy Commission

Original signed by

William O. Miller

by \_\_\_\_\_ Isotopes Branch

Division of Materials Licensing  
Washington, D. C. 20545

*1. Stone/1966*

U. S. ATOMIC ENERGY COMMISSION  
BYPRODUCT MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Parts 30, 32, 33, 34, and 35, and in reliance on statements and representations heretofore made by the licensee, this 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 33 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 condition specified below.

<p align="center"><b>Licensee</b></p> <p>1. Name <b>United States Radium Corporation</b></p> <p>2. Address <b>411 Old Derby Road Florenceburg, Pennsylvania 17835</b></p>		<p>3. License number <b>37-00030-09G</b></p> <p>4. Expiration date <b>March 31, 1974</b></p> <p>5. Reference No. <b>Supersedes License No. GL-237</b></p>
<p>6. Byproduct material (element and mass number)</p> <p><b>A. Hydrogen 3</b></p>	<p>7. Material for physical</p> <p><b>A. Sealed sources U.S. Radium Model LAB 737-2</b></p>	<p>8. Maximum amount of radioactivity which licensee may possess at any one time</p> <p><b>Not applicable</b></p>

**9. Authorized use**

- A. Pursuant to Section 32.51, 10 CFR 32, the licensee is authorized to distribute luminous devices specified in Condition No. 10 of this license to be used generally licensed pursuant to Section 31.5, 10 CFR 31, or equivalent provisions of the regulations of any Agreement State.

**CONDITIONS**

10. The following luminous devices may be manufactured and distributed pursuant to the terms and conditions of this license:

<u>U.S. Radium Drawing No.</u>	<u>Type</u>	<u>Maximum Total Activity</u>
LAB 737-2	EXIT sign	10 1/2 curies
LAB 737-2a	EXIT sign	6 1/2 curies
LAB 737-2b	Arrow sign	4 curies

U. S. ATOMIC ENERGY COMMISSION  
BY PRODUCT MATERIAL LICENSE

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Supplementary Sheet

License Number 97-00030-09

CONDITIONS

(Continued)

11. U. S. Radium Corporation shall furnish to each general licensee to whom it transfers a generally licensed device a copy of Section 31.1, 10 CFR 31; sections 30.34 and 30.51 through 30.63, 10 CFR 30; sections 20.402 and 20.403, 10 CFR 20; and Appendix D, 10 CFR 20.
12. This license does not authorize the export of Hydrogen 3.
13. A. Each device distributed under this license shall be provided with a durable, clearly visible label(s) which contains the statements:
  1. "The receipt, possession, use, and transfer of this device, Model No. \_\_\_\_\_, Serial No. \_\_\_\_\_, are subject to a general license or the equivalent and the regulations of the U. S. AEC or a state with which the AEC has entered into an agreement for the exercise of regulatory authority." (The model and serial number may be omitted from this statement provided they are elsewhere specified in labeling affixed to the device).
  2. "DO NOT DISMANTLE OR OPEN THIS SIGN unless specifically licensed by AEC or an Agreement State."
  3. "DO NOT ABANDON OR DISPOSE OF THIS SIGN except by transfer to persons specifically licensed by AEC or an Agreement State."
  4. "Use of this sign is prohibited if there is any indication of failure of, or damage to, containment of radioactive material."
- B. Each device shall also be provided with a label containing the radiation caution symbol in conventional colors, orange or purple on yellow background, the words "CAUTION (DANGER) - RADIOACTIVE MATERIAL", the identity and quantity of radioactive material and its date of measurement, and the name of the distributor of the device.
- C. Each label required by this condition shall contain the statement, "Removal of this label is prohibited."
14. A durable, clearly visible label bearing the statement, "Licensed by U. S. A. E. C. See instructions on back before disposal", shall be affixed to the front plate of each device distributed under this license.

U. S. ATOMIC ENERGY COMMISSION  
BYPRODUCT MATERIAL LICENSE

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Supplementary Sheet

License Number 37-00030-C90

CONDITIONS

(Continued)

15. The licensee shall report to the Director, Division of Materials Licensing, U. S. Atomic Energy Commission, all transfers of devices distributed under this license to persons generally licensed under Section 31.5, 10 CFR 31. Such report shall identify each general licensee by name and address, the type of device transferred, the quantity and type of byproduct material contained in the device, and the specific location where each device is installed. The report shall be submitted within 30 days after the end of each calendar quarter in which any such device is transferred to a generally licensed person.
16. Except as specifically provided otherwise by this license, devices distributed under this license shall be manufactured, tested, and labeled in accordance with the provisions of this license, letter dated December 6, 1965, from C. C. Carroll, and letter, plus enclosures, dated December 12, 1968, from O. L. Olson.

Date October 13, 1969

For the U. S. Atomic Energy Commission  
Original Signed By  
James C. Malaro  
by Isotopes Branch

Division of Materials Licensing  
Washington, D. C. 20545

U. S. ATOMIC ENERGY COMMISSION  
BYPRODUCT MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Parts 30, 32, 33, 34, and 35, 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.

<p align="center"><b>Licensee</b></p> <p>1. Name <b>United States Radium Corporation</b></p> <p>2. Address <b>P.O. Box 245 Morristown, New Jersey 07960</b></p>		<p>3. License number <b>29-13537-01G</b></p> <p>4. Expiration date <b>March 31, 1974</b></p> <p>5. Reference No. <b>Supersedes License Number GL-237 and 37-0030-09G</b></p>
<p>6. Byproduct material (element and mass number)</p> <p><b>A. Hydrogen 3</b></p>	<p>7. Chemical and/or physical form</p> <p><b>A. Sealed sources (U.S. Radium Model LAB 785)</b></p>	<p>8. Maximum amount of radioac- tivity which licensee may pos- sess at any one time</p> <p><b>Not applicable</b></p>

9. Authorized use

Pursuant to Section 32.51, 10 CFR 32, the licensee is authorized to distribute luminous devices specified in Condition No. 10 of this license to persons generally licensed pursuant to Section 31.5, 10 CFR 31, or equivalent provisions of the regulations of any agreement State.

**CONDITIONS**

10. The following luminous devices may be manufactured and distributed pursuant to the terms and conditions of this license:

<u>U.S. Radium Drawing No.</u>	<u>Type</u>	<u>Maximum Total Activity</u>
LAB 737-2	EXIT sign	10 1/2 curies
LAB 737-2a	EXIT sign	6 1/2 curies
LAB 737-2b	Arrow sign	4 curies

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BYPRODUCT MATERIAL LICENSEPage 2 of 3 Pages

Supplementary Sheet

(continued)

License Number 29-13537

11. U. S. Radium Corporation shall furnish to each general licensee to whom it transfers a generally licensed device a copy of Section 31.5, 10 CFR 31; Sections 30.34 and 30.51 through 30.63, 10 CFR 30; Sections 20.402 and 20.403, 10 CFR 20; and Appendix D, 10 CFR 20.
12. This license does not authorize the export of Hydrogen 3.
13. A. Each device distributed under this license shall be provided with a durable, clearly visible label(s) which contains the statements:
1. "The receipt, possession, use, and transfer of this device, Model No. \_\_\_\_\_, Serial No. \_\_\_\_\_, are subject to a general license or the equivalent and the regulations of the U. S. AEC or a state with which the AEC has entered into an agreement for the exercise of regulatory authority." (The model and serial number may be omitted from this statement provided they are elsewhere specified in labeling affixed to the device).
  2. "DO NOT DISMANTLE OR OPEN THIS SIGN unless specifically licensed by AEC or an Agreement State."
  3. "DO NOT ABANDON OR DISPOSE OF THIS SIGN except by transfer to persons specifically licensed by AEC or an Agreement State."
  4. "Use of this sign is prohibited if there is any indication of failure of, or damage to, containment of radioactive material."
- B. Each device shall also be provided with a label containing the radiation caution symbol in conventional colors, magenta or purple on yellow background, the words "CAUTION (or DANGER) - RADIOACTIVE MATERIAL", the identity and quantity of radioactive material and its date of measurement, and the name of the distributor or the device.
- C. Each label required by this condition shall contain the statement, "Removal of this label is prohibited."
14. A durable, clearly visible label bearing the statement, "Licensed by U. S. A. E. C. See instructions on back before disposal", shall be affixed to the front plate of each device distributed under this license.



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BYPRODUCT MATERIAL LICENSE

Supplementary Sheet

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29-13537-01

License Number

CONDITIONS

(Continued)

15. The licensee shall report to the Director, Division of Materials Licensing, U. S. Atomic Energy Commission, all transfers of devices distributed under this license to persons generally licensed under Section 31.5, 10 CFR 31. Such report shall identify each general licensee by name and address, the type of device transferred, the quantity and type of byproduct material contained in the device, and the specific location where each device is installed. The report shall be submitted within 30 days after the end of each calendar quarter in which any such device is transferred to a generally licensed person.
16. Except as specifically provided otherwise by this license, devices distributed under this license shall be marked with the words "BYPRODUCT MATERIAL", and labeled in accordance with the provisions of the license letter dated December 6, 1963, from C. C. Carroll, and the letter, plus enclosures dated December 12, 1968, from C. L. Mason.

Date January 6, 1970

For the U. S. Atomic Energy Commission

Original Signed By  
James C. Malero

by Isotopes Branch

Division of Materials Licensing  
Washington, D. C. 20545

*CRM/gac*

U. S. ATOMIC ENERGY COMMISSION  
BYPRODUCT MATERIAL LICENSE

License No. 37-00030-09G

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Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Parts 30, 31, 33, 34, and 35, 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 133 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.

<p align="center"><b>Licensee</b></p> <p>Name U.S. Radium Corporation</p> <p>2. Address 4150 Old Berwick Road Bloomsburg, Pennsylvania 17815</p>		<p>3. License number 37-00030-09G</p> <p>4. Expiration date March 31, 1974</p> <p>5. Reference No. Supersedes License Number 29-13537-01G</p>
<p>6. Byproduct material (element and mass number)</p> <p>A. Hydrogen 3</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed sources (U.S. Radium Model LAB 785)</p>	<p>8. Maximum amount of radioactivity which licensee may possess at any one time Not applicable</p>

**9. Authorized use**

A. Pursuant to Section 32.51, 10 CFR 32, the licensee is authorized to distribute luminous devices specified in Condition No. 10 of this license to persons generally licensed pursuant to Section 31.5, 10 CFR 31, or equivalent provisions of the regulations of any Agreement State.

**CONDITIONS**

10. The following luminous devices may be distributed pursuant to the terms and conditions of this license:

USRC Dwg. No.	Sign Type	Letter Height	Sign Model No.	Maximum Total Activity
LAB737-2 Rev. H	EXIT	8"	737-2-8	10 1/2 curies
LAB737-2 Rev. H	EXIT	6"	737-2-6	8 1/2 curies
LAB737-2 Rev. H	EXIT	4"	737-2-4	6 1/2 curies
LAB737-2 Rev. H	EXIT	2"	737-2-2	4 1/2 curies

U. S. ATOMIC ENERGY COMMISSION  
BYPRODUCT MATERIAL LICENSE

Supplementary Sheet

License Number 37-00030-

10. Continued

<u>USHC Dwg. No.</u>	<u>Sign Type</u>	<u>Letter Height</u>	<u>Sign Model No.</u>	<u>Maximum Total Activity</u>
LAB737-2B Rev. E	ARROW (horizontal)		737-1-1	4 curies
LAB737-2B Rev. E	ARROW (right up or left down)		737-1-2	4 curies
AB737-2B Rev. E	ARROW (left up or right down)		737-1-3	4 curies

11. U. S. Radium Corporation shall furnish to each general licensee to whom it transfers a generally licensed device a copy of Section 31.5, 10 CFR 31; Sections 30.34 and 30.51 through 30.63, 10 CFR 30; Sections 20.402 and 20.403, 10 CFR 20; and Appendix D, 10 CFR 20.

12. This license does not authorize the export of Hydrogen 3.

13. A. Each device distributed under this license shall be provided with a durable, clearly visible label(s) which contains the statements;

1. "The receipt, possession, use, and transfer of this device, Model No. \_\_\_\_\_, Serial No. \_\_\_\_\_, are subject to a general license or the equivalent and the regulations of the U.S. AEC or a state with which the AEC has entered into an agreement for the exercise of regulatory authority." (The model and serial number may be omitted from this statement provided they are elsewhere specified in labeling affixed to the device).
2. "DO NOT DISMANTLE OR OPEN THIS SIGN unless specifically licensed by AEC or an Agreement State."
3. "DO NOT ABANDON OR DISPOSE OF THIS SIGN except by transfer to persons specifically licensed by AEC or an Agreement State."
4. "Use of this sign is prohibited if there is any indication of failure of, or damage to, containment of radioactive material."

B. Each device shall also be provided with a label containing the radiation caution symbol in conventional colors, magenta or purple on yellow background, the words "CAUTION (or DANGER) - RADIOACTIVE MATERIAL", the identity and quantity of radioactive material and its date of measurement, and the name of the distributor of the device.

U. S. ATOMIC ENERGY COMMISSION  
HYDROGEN ISOTOPE MATERIAL LICENSE  
Supplementary Sheet

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License Number 37-00030-1

11. continued

C. Each label required by this condition shall contain the statement "Removal of this label is prohibited."

12. A durable, clearly visible label bearing the statement, "Approved by U. S. A. E. C. See instructions on back before disposal" shall be affixed to the front plate of each device distributed under this license.

13. The licensee shall report to the Director, Division of Materials Licensing, U. S. Atomic Energy Commission, all transfers of devices distributed under this license to persons generally licensed under Section 31.5, 10 CFR 31. Such report shall identify each general licensee by name and address, the type of device transferred, and the quantity and type of byproduct material contained in the device. The report shall be submitted within 30 days after the end of each calendar quarter in which any such device is transferred to a general licensee.

14. Except as specifically provided otherwise by this license, devices distributed under this license shall be manufactured, tested, and labeled in accordance with the provisions of this license letter dated December 6, 1965 from C. C. Carroll, and letter, plus enclosures, dated December 12, 1968, January 30, 1970 and February 19, 1970, from C. L. Olson.

Date January 4, 1972

*gms*  
*1/17/72*

For the U. S. Atomic Energy Commission  
Original Signed By  
Jack M. Bell  
by Materials Branch

Division of Materials Licensing  
Washington, D. C. 20545