



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

October 31, 2001

Docket No. 03017205
Control No. 130114

License No. 06-19244-01

Vincent Clark
President and Radiation Safety Officer
Delta Lighting Corp.
P.O. Box 270
Stamford, CT 06904

SUBJECT: DELTA LIGHTING CORP., ISSUANCE OF LICENSE RENEWAL, CONTROL NO. 130114

Dear Mr. Clark:

This refers to your request for renewal of your NRC license. Enclosed with this letter is the renewed license. Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

Please note that, on your license, we have updated the name of the manufacturer, "Saunders-Roe Developments", to their current company name, "SRB Technologies, Inc." In addition, we have continued to list "Shurelight" although we do not have a company by that name listed in the NRC's Sealed Source and Device Registry.

The NRC is required to have your Taxpayer Identification Number in order to make payments (refunds). The self-addressed, stamped NRC Form 531, "Request for Taxpayer Identification Number," is enclosed.

The NRC expects licensees to conduct their programs with meticulous attention to detail and high standards of compliance. Because of the serious consequences to employees and the public that can result from failure to comply with NRC requirements, you must conduct your program according to NRC regulations, the conditions of your NRC license, and the representations made in your application. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify the NRC in writing of any change in mailing address.

3. In accordance with 10 CFR 30.36(d), notify the NRC, promptly, in writing, and request termination of the license
 - a) when you decide to terminate all activities involving materials authorized under the license; or
 - b) if you decide not to acquire or possess and use authorized material.
4. Request and obtain a license Amendment before you:
 - a) change Radiation Safety Officers;
 - b) order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license; or
 - c) add or change the areas of use, or addresses of use identified in the license application or on the license; or
 - d) change the name or ownership of your organization.
5. Submit a complete renewal application or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations.

In addition, please note that NRC Form 313 requires the applicant, by signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or a certifying official of the licensee rather than a consultant.

You will be periodically inspected by the NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in NUREG 1600, "General Policy and Procedure for NRC Enforcement Actions" (Enforcement Policy).

V. Clark
Delta Lighting Corp.

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In accordance with 10 CFR 2.790, a copy of this letter will be placed in the NRC Public Document Room and will be accessible from the NRC Web site at <http://www.nrc.gov/NRC/ADAMS/index.html>.

Thank you for your cooperation.

Sincerely,

Original signed by Elizabeth Ullrich

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

Enclosures:

1. Amendment No. 9
2. 10 CFR Parts 19, 20, 21, 30, 71, 170, and 171
3. NRC Forms 3, 313, and 531
4. Section 206 of the Energy Reorganization Act of 1974
5. NUREG 1600, General Policy and Procedure for NRC Enforcement Actions (Enforcement Policy)

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| OFFICE | DNMS/RI | N | DNMS/RI | DNMS/RI | | |
| NAME | EXU for KModes | EUIrich/EXU | | | | |
| DATE | 10/31/2001 | 10/31/2001 | | | | |

OFFICIAL RECORD COPY

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

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| Licensee 1. Delta Lighting Corp. 2. P. O. Box 270 Stamford, Connecticut 06904 | In accordance with the application dated July 30, 2001, 3. License number 06-19244-01 is amended in its entirety to read as follows: 4. Expiration date November 30, 2011 5. Docket No. 030-17205 Reference No. |
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| 6. Byproduct, source, and/or special nuclear material A. Hydrogen 3 B. Hydrogen 3 | 7. Chemical and/or physical form A. Sealed Sources (MB-Microtec, SRB Technologies, Inc., Self-Powered Lighting, or Shurelight models manufactured in accordance with U.S. Army Dwg. Nos. 11739179-1 and 11739179-2) B. Sealed Sources (MB-Microtec, SRB Technologies, Inc., Self-Powered Lighting, or Shurelight models manufactured in accordance with U.S. Army Dwg. Nos. 10556128, 10556135, and 10556136) | 8. Maximum amount that licensee may possess at any one time under this license A. 10 curies per source and see Condition 12. B. 10 curies per source and see Condition 12. |
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| 6. Byproduct, source, and/or special nuclear material | 7. Chemical and/or physical form | 8. Maximum amount that licensee may possess at any one time under this license |
| C. Hydrogen 3 | C. Sealed Sources (MB-Microtec, SRB Technologies, Inc., Self-Powered Lighting, or Shurelight models manufactured in accordance with U. S. Army Dwg. Nos. 11729510 and 11729512) | C. 0.075 curies per source and see Condition 12. |
| D. Hydrogen 3 | D. Sealed Sources (MB-Microtec, SRB Technologies, Inc., Self-Powered Lighting, or Shurelight models manufactured in accordance with U. S. Army Dwg. Nos. 10544462 and 10544463) | D. 1.5 curies per source and see Condition 12. |
| E. Hydrogen 3 | E. Sealed Sources (MB-Microtec, SRB Technologies, Inc., Self-Powered Lighting, or Shurelight models manufactured in accordance with U. S. Army Dwg. Nos. 11730922-01, 11730922-02, and 11730922-03) | E. 0.5 curies per source and see Condition 12. |
| F. Hydrogen 3 | F. Sealed Sources (MB-Microtec, SRB Technologies, Inc., Self-Powered Lighting, or Shurelight models manufactured in accordance with U. S. Army Dwg. No. 11729517) | F. 4.4 curies per source and see Condition 12. |

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| 6. Byproduct, source, and/or special nuclear material | 7. Chemical and/or physical form | 8. Maximum amount that licensee may possess at any one time under this license |
| G. Hydrogen 3 | G. Sealed Sources (MB-Microtec, SRB Technologies, Inc., Self-Powered Lighting, or Shurelight models manufactured in accordance with U. S. Army Dwg. Nos. 11733748 and 11733744) | G. 15 curies per source and see Condition 12. |
| H. Hydrogen 3 | H. Sealed Sources (MB-Microtec, SRB Technologies, Inc., Self-Powered Lighting, or Shurelight models manufactured in accordance with U. S. Army Dwg. Nos. 11728891, 11730286, and 11729519) | H. 15 curies per source and see Condition 12. |
| I. Hydrogen 3 | I. Sealed Sources (MB-Microtec, SRB Technologies, Inc., Self-Powered Lighting, or Shurelight models manufactured in accordance with U. S. Army Dwg. Nos. 11730274 and 11730273) | I. 15 curies per source and see Condition 12. |
| J. Hydrogen 3 | J. Sealed Sources (MB-Microtec, SRB Technologies, Inc., Self-Powered Lighting, or Shurelight models manufactured in accordance with U. S. Army Dwg. Nos. 11733744 and 11733745) | J. 15 curies per source and see Condition 12. |

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| 6. Byproduct, source, and/or special nuclear material | 7. Chemical and/or physical form | 8. Maximum amount that licensee may possess at any one time under this license |
| K. Hydrogen 3 | K. Sealed Sources (MB-Microtec, SRB Technologies, Inc., Self-Powered Lighting, or Shurelight models manufactured in accordance with U. S. Army Dwg. Nos. 12002965 and 12002966) | K. 15 curies per source and see Condition 12. |
| L. Hydrogen 3 | L. Sealed Sources (MB-Microtec, SRB Technologies, Inc., Self-Powered Lighting, or Shurelight models manufactured in accordance with U. S. Army Dwg. Nos. 12002965, 12002966, and 12304729) | L. 10.2 curies per source and see Condition 12. |
| M. Hydrogen 3 | M. Sealed Sources (MB-Microtec, SRB Technologies, Inc., Self-Powered Lighting, or Shurelight models manufactured in accordance with U. S. Army Dwg. No. 11834818) | M. 0.8 curies per source and see Condition 12. |

9. Authorized use:

- A. Manufacture of aiming posts Models M58 and M59 for distribution to Department of Defense facilities authorized to receive the licensed material pursuant to the terms and conditions of specific licenses issued by the U.S. Nuclear Regulatory Commission.
- B. Manufacture of M1A1 Aiming Reference Collimator in accordance with U. S. Army Drawing No. 10556128 for distribution to Department of Defense facilities authorized to receive the licensed material pursuant to the terms and conditions of specific licenses issued by the U.S. Nuclear Regulatory Commission.

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- C. Manufacture of M1A2, M14A1, M17, M18, M64, M64A1, M171 and M187 Vial, Level (Potted) in accordance with U. S. Army Drawing No. 11729512 for distribution to Department of Defense facilities authorized to receive the licensed material pursuant to the terms and conditions of specific licenses issued by the U.S. Nuclear Regulatory Commission.
- D. Manufacture of M139 and M140 Cap, potted in accordance with U. S. Army Drawing No. 105544462 for distribution to Department of Defense facilities authorized to receive the licensed material pursuant to the terms and conditions of specific licenses issued by the U.S. Nuclear Regulatory Commission.
- E. Manufacture of M14A1, M17, M18, M137, M137A1, M187, and M113A1 Panoramic Telescopes for distribution to Department of Defense facilities authorized to receive the licensed material pursuant to the terms and conditions of specific licenses issued by the U.S. Nuclear Regulatory Commission.
- F. Manufacture of M114A1 Elbow Telescopes for distribution to Department of Defense facilities authorized to receive the licensed material pursuant to the terms and conditions of specific licenses issued by the U.S. Nuclear Regulatory Commission.
- G. Manufacture of M64 Light Weight Mortar Sight for distribution to Department of Defense facilities authorized to receive the licensed material pursuant to the terms and conditions of specific licenses issued by the U.S. Nuclear Regulatory Commission.
- H. Manufacture of M114A1 Elbow Telescopes for distribution to Department of Defense facilities authorized to receive the licensed material pursuant to the terms and conditions of specific licenses issued by the U.S. Nuclear Regulatory Commission.
- I. Manufacture of M113A1 Panoramic Telescopes for distribution to Department of Defense facilities authorized to receive the licensed material pursuant to the terms and conditions of specific licenses issued by the U.S. Nuclear Regulatory Commission.
- J. Manufacture of M64 and M64A1 Panoramic Telescopes for distribution to Department of Defense facilities authorized to receive the licensed material pursuant to the terms and conditions of specific licenses issued by the U.S. Nuclear Regulatory Commission.
- K. Manufacture of aiming post assemblies for distribution to Department of Defense facilities authorized to receive the licensed material pursuant to the terms and conditions of specific licenses issued by the U.S. Nuclear Regulatory Commission.
- L. Manufacture of Cell Assembly used in Muzzle Reference Units for distribution to Department of Defense facilities authorized to receive the licensed material pursuant to the terms and conditions of specific licenses issued by the U.S. Nuclear Regulatory Commission.
- M. Manufacture of Range Indicators for distribution to Department of Defense facilities authorized to receive the licensed material pursuant to the terms and conditions of specific licenses issued by the U.S. Nuclear Regulatory Commission.

CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 200 Henry Street, Stamford, Connecticut.
11. A. Licensed material shall be used by, or under the supervision of, Vincent Clark or James Wallin.
- B. The Radiation Safety Officer for this license is Vincent Clark.

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12. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material at a single location to quantities below the limits specified in 10 CFR 30.72 which require consideration of the need for an emergency plan for responding to a release of licensed material. That quantity for hydrogen-3 is 20,000 curies.
13. The licensee shall not use licensed material in or on human beings.
14. The licensee shall not use licensed material in field applications where it is released except as provided otherwise by specific condition of this license.
15. This license does not authorize commercial distribution of licensed material to persons generally licensed pursuant to 10 CFR Part 31 or to persons exempt from licensing pursuant to 10 CFR 30.14 through 30.21, inclusive, or equivalent regulations of any Agreement State.
16. The licensee shall conduct a physical inventory every six months, or at other interval approved by the U.S. Nuclear Regulatory Commission, to account for all sealed sources and/or devices received and possessed under the license.
17. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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18. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Letter dated April 21, 1980
- B. Letter received April 14, 1981
- C. Letter dated September 11, 1981
- D. Letter dated October 11, 1982
- E. Letter dated November 30, 1982
- F. Letter dated April 6, 1984
- G. Application dated March 12, 1985
- H. Letter dated March 20, 1985
- I. Letter dated April 16, 1986
- J. Letter dated April 21, 1989
- K. Application dated July 30, 2001
- L. Facsimile dated October 25, 2001



For the U.S. Nuclear Regulatory Commission

Date October 31, 2001

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