



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

August 15, 2002

Docket No. 03005980  
Control No. 130955

License No. 37-00030-02

Larry Harmon  
Plant Manager  
Safety Light Corporation  
4150-A Old Berwick Road  
Bloomsburg, PA 17815

**SUBJECT: SAFETY LIGHT CORPORATION, ISSUANCE OF LICENSE AMENDMENT,  
CONTROL NO. 130955**

Dear Mr. Harmon:

This refers to your license amendment request. Enclosed with this letter is the amended license. This amendment authorizes the sorting, characterizing, and repackaging of the waste that was removed from the underground silos, as part of the site remediation of the radiological contamination at the Safety Light Corporation facility. Accordingly, License Condition 14 is modified to replace the previous plans with the Work Plan and referenced information dated February 6, 2002, April 25, 2002, and an e-mail dated May 28, 2002.

This license amendment also deleted Condition 13, because you had complied with this condition with your schedule, plan for continuation of site remediation, and revised decommissioning cost estimate, which was submitted by letter dated October 26, 2001, with revisions dated December 6, 2001. Accordingly, License Condition 18 was modified to add the above dates and remove the dates associated with your previous Decommissioning Plan and Work Plan. Please recognize that the deletion of Condition 13 does not remove the NRC requirement that when you apply for the next renewal of this license, you will submit a decommissioning funding plan demonstrating compliance with 10 CFR 30.35. Further your decommissioning funding plan would need to address the NRC review of your DCE, which included revised cost estimates that were provided to you by letter dated December 19, 2001.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. 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.

As required by 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/reading-rm.html>.

L. Harmon  
Safety Light Corporation

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Thank you for your cooperation.

Sincerely,

***Original signed by Francis M. Costello***

Ronald R. Bellamy, Chief  
Decommissioning and Laboratory Branch  
Division of Nuclear Materials Safety

Enclosure:  
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cc:  
Norman G. Fritz, Radiation Safety Officer  
David J. Allard, C.H.P., Director  
James F. Kopenhaver, Program Manager  
Sheri Minnick, Health Physicist  
Dennis Matlock, On-Scene Enforcement Officer

L. Harmon  
Safety Light Corporation

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NAME	MMiller/MTM1		RBellamy/FMCfor RRB1					
DATE	8/15/2002		8/15/2002					

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**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.

<p style="text-align: center;">Licensee</p> <p>1. Safety Light Corporation</p> <p>2. 4150-A Old Berwick Road Bloomsburg, Pennsylvania 17815</p>	<p>In accordance with the letter dated February 6, 2002</p> <p>3. License number 37-00030-02 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date December 31, 2004</p> <hr/> <p>5. Docket No. 030-05980 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material</p> <p>B. Any byproduct material</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. See Condition 12</p> <p>B. 1 millicurie</p>
<p>9. Authorized use:</p> <p>A. Characterization and decommissioning of contaminated facilities, equipment and land.</p> <p>B. Instrument calibration.</p>		

**CONDITIONS**

- 10. Licensed material may be used only at the licensee's facilities located at 4150-A Old Berwick Road, Bloomsburg, Pennsylvania.
- 11. A. Licensed material shall be used by, or under the supervision of, Charles Berlin, Norman G. Fritz, or Larry Harmon.
- B. The Radiation Safety Officer for this license is Norman G. Fritz.
- 12. The amount of material is limited to that amount existing in contaminated facilities, land, and equipment, as of January 3, 1995.
- 13. Deleted by Amendment 53, August 14, 2002.
- 14. Sorting, characterizing, and repackaging of the waste that was removed as part of the site remediation of the radiological contamination from the underground silos at the Safety Light Corporation facility shall be performed in accordance with the statements, representations and procedures described in the Work

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Plan for radioactive waste repackaging that was submitted by letter dated February 6, 2002, and Health and Safety Plan and Quality Assurance Plan that were submitted by letter dated April 25, 2002, and supplemental information regarding the Work Plan provided by e-mail dated May 28, 2002. The licensee is not authorized to begin other activities described in the licensee's Decommissioning Plan until a Work Plan and a Health and Safety Plan for other activities have been submitted to the U.S. Nuclear Regulatory Commission and the Plans are approved in writing by the Region I Office.

15. A. Sealed sources and detector cells containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed three years.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed three months.
- C. In the absence of a certificate from a transferor indicating that a leak test has been made within six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources and detector cells need not be leak tested if:
- (i) they contain only hydrogen-3; or
  - (ii) they contain only a radioactive gas; or
  - (iii) the half-life of the isotope is 30 days or less; or
  - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or

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- (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transfer to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source or detector cell shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within five days of the date the leak test result is known with the appropriate U.S. Nuclear Regulatory Commission, Regional Office referenced in Appendix D of 10 CFR Part 20. The report shall specify the source or detector cell involved, the test results, and corrective action taken.
- G. The licensee is authorized to collect leak test samples for analysis by the licensee. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
16. Pursuant to 10 CFR 30.11, the licensee is exempted from the provisions of 10 CFR 30.32(h) and 30.35(a) through 30.35(f), provided that the licensee sets aside from operating funds or any other funds, except insurance litigation funds, the following amounts as described in the licensee's letter dated August 3, 1999:
- January 1, 2000 and each month thereafter for 12 months: \$7,000.00;
- January 1, 2001 and each month thereafter for 24 months: \$8,000.00;
- January 1, 2003 and each month thereafter for 24 months: \$9,000.00
- for a total of \$492,000.00. These funds shall be deposited into Trust Account Number C32520 with the Chase Manhattan Bank (presently assumed by JP Morgan). The use of these funds, including disbursement of assets, shall be governed by the Trust Agreement which established the trust account. This exemption is valid until the date shown in Item 4 or the date of any failure to comply with this license condition.
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. Work Plan for Repackaging Waste with letter dated February 6, 2002
  - B. Health and Safety Plan and Quality Assurance Plan with letter dated April 25, 2002
  - C. E-mail dated May 28, 2002, with supplemental information for Work Plan for Repackaging Waste
  - D. Decommissioning Plan and Decommissioning Cost Estimate dated October 26, 2001 with revisions dated December 6, 2001
  - E. Letter dated February 11, 1999
  - F. Letter dated February 15, 1999
  - G. Letter dated August 3, 1999
  - H. Health and Safety Program, Revision 11, dated September 29, 1998
  - I. Trust Agreement (with The Chase Manhattan Bank, now JP Morgan), dated December 12, 1994

For the U.S. Nuclear Regulatory Commission

***Original signed by Francis M. Costello***Date August 14, 2002

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Francis M. Costello, Deputy Director  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406