SAFETY LIGHT CORPORATION
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BLOOMSBURG, PA. 17815
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Q-5

NOVEMBER 3, 2003

37-00030-08
03005982

UNITED STATES NUCLEAR REGULATORY COMMISSION
REGION 1
475 ALLENDALE ROAD
KING OF PRUSSIA 19406-1415
ATTENTION: ELIZABETH ULLRICH

Dear Ms. Ullrich:

Enclosed, for your files, please find two(2) copies of revised pages updating our Health and Safety Program to Revision 12. Please insert in books and discard old pages.

This document will then supersede Revision 11, issued September 19, 1998.

Sinerely,
SAFETY LIGHT CORPORATION

Norman G. Fritz
Radiation Safety Officer

ENCLOSURE

133996

SAFETY LIGHT CORPORATION

HEALTH AND SAFETY PROGRAM

REVISION 12

DISTRIBUTION LIST:	NO. COPIES
L. HARMON	1
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H. PHYSICS	1
USNRC REGION I	2

November 3, 2003

FOREWORD

Prior to 1979, it was the responsibility of the Health Physics Department, under the direction of the Radiation Safety Officer, to ensure that an adequate radiation protection program was in place and that all recommended practices and procedures were adhered to. For reference purposes, a manual entitled "Nuclear Facility Health Physics Program", containing recommended practices related to radiation protection, was issued.

In 1979, the added responsibility of ensuring that adequate general industrial health and safety practices were being followed was also assigned to Health Physics. At the same time, the group's name was changed to Health & Safety Department. In November 1980, the name of the Nuclear Products Division was changed to Safety Light Corporation. An updated version of the above manual, entitled "Safety Light Corporation Health and Safety Program, Revision 2" was issued for use on 1 December, 1980. Revision 3 was issued on 1 July, 1983. On 4 April, 1986; a further updating was made, and issued as Revision 4. Revision 5, issued on 12 December, 1988; incorporated updated practices and procedures put into effect since Revision 4 was issued. Revision 6, 9 October, 1989; included additions to the employee training section and incorporated security procedures recently initiated.

Revision 7, dated 1 November, 1991; reflected changes to restricted area procedures, reaction to Processing Building alarm bell and available radiation and tritium monitoring equipment.

Revision 8, dated 1 January, 1994; incorporated the new revisions to 10 CFR Part 20, reflecting inclusion of Parts 20.1001 - 20.2401, with stress on the principle of operating to ALARA. As in previous program manuals, operating controls are designed to be equal to or more restrictive than regulations. This program shall be reviewed, at least annually, for content and implementation by the Radiation Safety Committee or their equivalent.

Revision 9, dated March 15, 1994; makes the corrections to the USNRC new telephone exchange number and reflects the correct reporting region (Region I) for any accountable occurrences.

Revision 10, dated April 15, 1998, updates telephone numbers, includes some minor corrections and reflects some changes in statements about current and past operations, revisions in stack exhaust monitoring, and receiving packages.

Revision 11, dated September 29, 1998, addresses changes in function of the Radiation Safety Committee and stack exhaust monitoring, and updates some telephone numbers.
Section 5.2 has been amended to reflect current wipe survey frequencies.

The present Revision 12, dated November 3, 2003, updates some telephone umbers, changes one area description and reduces by one (1) the list of tritium monitors.

1.0.0 DEFINED AREAS

1.1.0 RESTRICTED AREAS

A Restricted Area shall be any area to which access is controlled by Safety Light Corp. for the purpose of protection of individuals from undue exposure to radiation and radioactive materials.

1.2.0 RADIOACTIVE MATERIALS ZONES

1.2.1 Yellow Zone:

A Yellow Zone is an area in which there exists a potential hazard of radiation or contamination due to materials in process, storage, or transit, and in which contamination levels do not normally exceed the following limits:

a. Direct radiation to a major portion of the body not greater than 2 mrem/hr.

b. Airborne contamination not greater than the levels stated in Title 10, Code of Federal Regulations, part 20, Appendix B, Table 2, Col.1.

c. No removable tritium contamination above 5,000 dpm/100 cm^2.

d. Fixed alpha contamination not greater than 1,000 dpm/100 cm^2.

e. Unless otherwise given special approval by the Radiation Safety Officer, no removable alpha or beta-gamma contamination, other than tritium, above background.

1.2.2 Magenta Zone:

A Magenta Zone is an area is which any of the contamination levels exceed those of a Yellow Zone, but in which the occupants will not normally be exposed to contamination levels exceeding any of the following limits:

a. Direct radiation to a major portion of the body not greater than 5 mrem/hr.

b. Airborne contamination not greater than the levels stated in 10 CFR, Part 20, Appendix B, Table 1, Col. 3.

c. Fixed alpha contamination not greater than 10,000 dpm/100 cm^2.

EMERGENCY TELEPHONE NUMBERS:

FIRE	911
POLICE (Local)	911
POLICE (State)	387-4261
County Emergency Management Agency (CEMA)	389-5720
PA Emergency Management Agency (PEMA)	717/651-2001 or 911 or 800/434-7362
Bureau of Radiation Protection (BRP)	24 HR 717/651-2001 (PEMA 24 HR) 717/787-2163 Day Offices
NRC Emergency Operations Center (Bethesda, MD)	301/816-5100
Back-Up Number	301/951-0550
NRC Region I (King of Prussia, PA)	610/337-5000

10.6.3 Detection - Used to detect gamma activity.

10.6.4 Calibration - Calibrated yearly by the manufacturer, Ludlum Instruments Co., Sweetwater, TX.

10.6.5 Check Source - The source used is a Cs^{137}, 1 μCi activity.

10.7.0 TRITIUM AIR MONITORS

10.7.1 Description - The following tritium air monitors are used by Safety Light Corp.:

MANUFACTURER	MODEL NO.	NO. ON HAND
Johnston Laboratories	Triton 955B	2
Johnston Laboratories	Triton 1055B	1
Johnston Laboratories	Triton 111*	2
*Portable Type	TOTAL	5

10.7.2 Uses - These instruments are used to monitor tritium concentrations in room air and process hood and vacuum pump exhausts; they are also used in the leak checking of manufactured products and to monitor incoming tritium shipping containers and tritium devices returned by customers for disposal.

10.7.3 Detection - These instruments measure tritium concentration in air through beta detection. The sensitivity is 10 $\mu Ci/m^3$.

10.7.4 Calibration - The Triton room air monitor and the portable Triton are calibrated annually; the performance of the other Tritons is checked, as required against one of the calibrated Tritons.

For calibration, use is made of a Johnston Laboratories' Model CL-1 Calibrator; the procedure employed is as described in the "Calibrator Instruction Manual", kept on file in the Health & Safety Office.

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 03214
Status Code: 0
Fee Category: 3B
Exp. Date: 20041231
Fee Comments: ALWAYS
Decom Fin Assur Reqd: N

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED
   Applicant/Licensee: SAFETY LIGHT CORP.
   Received Date: 20031117
   Docket No: 3005982
   Control No.: 133996
   License No.: 37-00030-08
   Action Type: Notifications

2. FEE ATTACHED
   Amount: /
   Check No.: /

3. COMMENTS

Signed M.A. Jackson
Date 11/17/2003

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /__/)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:
   Amendment _____
   Renewal _____
   License _____

3. OTHER _____
   _____

Signed _____
Date _____