

Docket File Information
SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION

1. LICENSEE

Safety Light Corporation

REPORT NUMBER(S) 2003-001

2. NRC/REGIONAL OFFICE

Region I
475 Allendale Road
King of Prussia, PA 19406-1415

3. DOCKET NUMBER(S)

030-05982/030-08335/030-08444

4. LICENSE NUMBER(S)

37-00030-08/37-00030-09G/37-00030-10G

5. DATE(S) OF INSPECTION

October 15 & 16, 2003

6. INSPECTION PROCEDURES USED

87125

7. INSPECTION FOCUS AREAS

03.01-03.07

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)

03214/03240/03241

2. PRIORITY

5/5/5

3. LICENSEE CONTACT

Larry Harmon, Plant Manager

4. TELEPHONE NUMBER

570-784-4344



Main Office Inspection

Next Inspection Date: October 2008



Field Office



Temporary Job Site Inspection

PROGRAM SCOPE

Under NRC License No. 37-00030-08, the licensee is authorized a maximum amount of 350,000 curies of tritium for the manufacture of electron tubes, self-luminous devices, foils, targets, rods, and pins and to conduct research and development activities at the licensee's facility located in Bloomsburg, PA. Under NRC License Nos. 37-00030-09G and 37-00030-10G, the licensee is authorized to distribute tritium EXIT signs and other luminous devices to general licensees.

Safety Light Corporation employs approximately 28 people at the Bloomsburg facility. The management organizational structure has not changed since the last inspection. Currently, no filling operations are being conducted and no specialty tubes are being manufactured. Approximately 3,500 EXIT signs (9 curies of tritium per sign) are shipped per month. Glass tubes are filled with tritium at Shield Corporation in Canada and then sent to Safety Light for shipment to customers. Safety Light receives tritium on an infrequent basis to make targets/foils for gas chromatographs (less than once per month.) The latest inventory indicates a total of 67,200 curies of tritium is currently on hand including waste.

Inspectors interviewed several employees, including the health physics technician, the shipping/receiving clerk, and an assembly worker. The workers were knowledgeable of radiation safety practices and procedures. The HP technician performs routine wipe tests of all occupied areas and also wipe tests all incoming and outgoing shipments of radioactive material, including returned signs/foils. The inspectors observed assembly workers packaging tritium EXIT signs. Appropriate labeling and paperwork was provided with the shipments. Bioassay are performed on a biweekly basis for all radiation workers. Effluents are continuously monitored and analyzed on a weekly basis. The inspectors reviewed records for shipping/receiving (including transfer records for generally licensed devices), bioassays, waste disposal, training, emergency response drills, and wipe tests. The RSO conducts an informal annual program review and reports program status to the plant manager. These reviews have not been documented as such. The RSO has committed to documenting future annual program reviews.

The subjects discussed in Temporary Instruction 2800/032 were reviewed during this inspection and no concerns were identified.