

**From:** Seung Lee  
**To:** internet: memhof@dynalec.com  
**Date:** Mon, Nov 15, 1999 9:45 AM  
**Subject:** Request Information

Good morning, Michael!

Based on telephone conversation on 10/27/99, I'm supposed to know the relationship between Edwards Smoke Detector (G.S. Building Corp.) P/N 6250B and Dynalec P/N 63103-000 in a week. However, I did not get any information on this relationship so far. Without knowing the relationship, I can not review your amendment request any further. If I did not have any information from you by 11/27/99, I'll return your application due to the lack of information. If you have any questions, please let me know.

Thank you very much.

Seung Lee

**Mail Envelope Properties** (38301C97.506 : 6 : 20584)

**Subject:** Request Information  
**Creation Date:** Mon, Nov 15, 1999 9:45 AM  
**From:** Seung Lee

**Created By:** TWFN\_DO.TWF4\_PO:SJL

<b>Recipients</b>	<b>Action</b>	<b>Date &amp; Time</b>
Post Office internet memhof (internet: memhof@dynalec.com)	Transferred	11/15 9:46 AM
<b>Domain.Post Office</b> internet	<b>Delivered</b>	<b>Route</b> internet:dynalec.com

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	1243	Monday, November 15, 1999 9:45 AM

**Options**

**Auto Delete:** No  
**Expiration Date:** None  
**Notify Recipients:** Yes  
**Priority:** Standard  
**Reply Requested:** No  
**Return Notification:** None

**Concealed Subject:** No  
**Security:** Standard

**To Be Delivered:** Immediate  
**Status Tracking:** Delivered & Opened

## CONVERSATION RECORD

(C:\SJJ\dynalec.cov)

TYPE:

Outgoing Telephone (315) 483-6923  
Incoming Telephone  
Meeting

NAME OF PERSON CONTACTED:

Michael J. Emhof, RSO

ORGANIZATION:

Dynalec Corp.

TIME:

10:00 AM

DATE:

10/27/1999

SUBJECT:

Clarification of P/N

SUMMARY:

Requested the relationship between Edwards Smoke Detetor (G.S. Building Systems Corp.) P/N 6250B and Dynalec P/N 63103-000.

ACTION REQUIRED:

Mr. Emhof will get some information from Edwards and call me back next week.

PLACE THIS RECORD IN:

Registration File NR-  
QA File  
Incident File  
General File

PERSON DOCUMENTING THE  
CONVERSATION:

Seung J. Lee

SIGNATURE:



DATE:

10/27/99

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES  
SAFETY EVALUATION OF DEVICE  
(AMENDED IN ITS ENTIRETY)

NO.: NR-0271-D-101-E

DATE: JUL 15 1998

PAGE 1 OF 3

DEVICE TYPE: Ionization Smoke Detector

MODEL: 305 Series, 235 Series

DISTRIBUTOR/MANUFACTURER:

G.S. Building Systems Corp.  
doing business as  
EST (Edwards Systems Technology)  
5 N. Main Street  
Pittsfield, ME 04967-1500

SEALED SOURCE MODEL DESIGNATION: NRD Model A001

ISOTOPE:

MAXIMUM ACTIVITY:

MODELS:

Americium-241

1.10 microcurie (40.70 kBq)

235 Series

Americium-241

0.55 microcurie (20.35 kBq)

305 Series

LEAK TEST FREQUENCY: Not Required

PRINCIPAL USE: (P) Ion Generators, Smoke Detectors

CUSTOM DEVICE: \_\_\_\_\_ YES \_\_\_\_\_ X \_\_\_\_\_ NO

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DEVICE TYPE: Ionization Smoke Detector

DESCRIPTION:

The 305 Series are round, single station smoke detectors and consist of two models: the "A" chamber which is a low wall housing for duct detectors, and the "B" chamber which is a high wall housing for area detectors. These models are sold under various brand names which may have different plastic housings. All 305 Series models contain one source with nominal activity of 0.55 microcurie (20.35 MBq). EST may market the models in this series under different brand names. However, in all cases, the smoke detector design will not change and the label will reference EST's license number.

The 235 Series are round, single station smoke detectors. The ion chamber in the 235 Series may contain any activity up to 1.1 microcurie (40.7 MBq). The models in this series differ only in the activity in the ion chamber. EST may market the models in this series under different brand names. However, in all cases, the smoke detector design will not change and the label will reference EST's license number.

REFERENCES:

The following supporting documents are hereby incorporated by reference and are made a part of this registry document.

- G.S. Building Systems Corporation's letters dated February 27, 1984, May 10, 1984, October 25, 1984, December 23, 1991, January 13, 1992, October 27, 1993, March 15, 1994, April 22, 1994, January 3, 1995, February 24, 1995, March 8, 1995, and June 27, 1997, with enclosures thereto.

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES  
SAFETY EVALUATION OF DEVICE  
(AMENDED IN ITS ENTIRETY)

NO.: NR-0271-D-101-E

DATE: JUL 15 1998

PAGE 3 OF 3

DEVICE TYPE: Ionization Smoke Detector

REFERENCES (Cont'd):

- EST's letter dated April 24, 1998.

ISSUING AGENCY:

U.S. Nuclear Regulatory Commission

Date: JUL 15 1998

Reviewer:

Michele L. Burgess

Michele L. Burgess

Date: JUL 15 1998

Concurrence:

Steven L. Baggett

Steven L. Baggett

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 05

Licwater

**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. G.S. Building Systems Corporation dba EST (Edwards Systems Technology)</p> <p>2. 5 North Main Street Pittsfield, Maine 04967-1500</p>	<p>In accordance with letter dated June 27, 1997,</p> <p>3. License number 18-19750-02E is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date March 31, 2005</p> <hr/> <p>5. Docket No. 030-19260 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Americium-241</p>	<p>7. Chemical and/or physical form</p> <p>A. Foil Source (NRD Model A001)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. Not Applicable (See Condition 10)</p>
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9. Authorized use:

Pursuant to Section 32.26, 10 CFR Part 32, the licensee is authorized to distribute smoke detector devices specified in Condition 10 to persons exempt from the requirements for a license pursuant to Section 30.20, 10 CFR Part 30, or equivalent provisions of the regulations of any Agreement State.

**CONDITIONS**

10. The following smoke detector devices may be distributed pursuant to this license provided the amount of americium-241 contained in the device does not exceed the amounts specified in the following table:
- | <u>Device Series</u> | <u>Maximum Quantity per Device</u> |
|----------------------|------------------------------------|
| 235 Series           | 1.1 microcuries (40.7 kBq)         |
| 305 Series           | 0.55 microcurie (20.4 kBq)         |
11. This license does not authorize possession or use of licensed material.
12. The licensee may distribute only from its facility located at 5 North Main Street, Pittsfield, Maine.
13. The licensee shall file periodic reports as specified in Section 32.29(c), 10 CFR Part 32.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
18-19750-02EDocket or Reference Number  
030-19260

Amendment No. 05

**CONDITIONS**

(Continued)

14. The licensee may distribute additional models for the 235 and 305 Series under different brand names, provided that the smoke detector design does not change and the license number is referenced on the required label.
15. Except as specifically provided otherwise by 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. Application dated March 14, 1994;
  - B. Device Registration Certificate No. NR-0271-D-101-E; and
  - C. Letter dated June 27, 1997.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

DATE: \_\_\_\_\_

BY: \_\_\_\_\_

J. Bruce Carrico  
Materials Safety Branch  
Division of Industrial and  
Medical Nuclear Safety  
Office of Nuclear Material Safety  
and Safeguards  
Washington, DC 20555