

# SIEMENS

## Fire Safety

June 1, 2009.

Mr. Jack Foster,  
Division of Materials Safety and State Agreements,  
Office of Federal and State Materials,  
and Environmental Management Programs,  
US Nuclear Regulatory Commission,  
Washington DC 20555.

Ref: License Amendment - 29-08864-04E

Dear Mr. Foster,

I am requesting an amendment to condition 12 of our current license referenced above, as follows.

That Siemens Building Technologies, Inc. located at 1,000 Deerfield Parkway, Buffalo Grove, IL 60889 be added as a distribution site for the distribution of the Series 3 Type Ionization Smoke Detectors using the NRD A-001 dual source (0.8 uCi each) for a total activity of 1.6 uCi Am-241 per detector.

The reason for the request is a recent business decision to cease manufacturing and distribution operations, except those for the return of customer equipment for repair or disposal, at our present location, 8 Fernwood Road, Florham Park, New Jersey 07932 as of December 31, 2009. The assembly, test and distribution of the Series 3 Type ionization smoke detectors using 1.6 uCi Am-241 will be done at the Buffalo Grove, IL site mentioned above. An Illinois State Radioactive Material License Number IL-02386-01 has been obtained to cover the possession and use of the NRD A-001 Am-241 sealed source at this new location. See attached.

Our Florham Park site will continue to be the location to handle the returns of these devices as well as those for which we were authorized to distribute in the past, from customers for repair or disposal.

I am the RSO for the operations at both locations covered under UNRC license 029-08864-03 and 029-08864-04E and the Illinois State license IL-02386-01.

### Siemens Building Technologies, Inc.

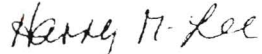
8 Fernwood Road  
Florham Park, NJ 07932

Tel: (973) 593 2600  
Fax: (973) 822 0819

Assembly of the smoke detectors in Buffalo Grove, IL will begin soon and these will be identical in all respects to those made in Florham Park, NJ. I am requesting that the amendment be granted as quickly as possible in order to avoid any disruption in shipping detectors to our customers.

Please do not hesitate to contact me at 973 593 6583 if you have any questions regarding this request. I can also be reached by e-mail at [harry.lee@siemens.com](mailto:harry.lee@siemens.com).

Sincerely yours,



Harry M. Lee  
Radiation Safety Officer

cc:

J. Nering

A. Quionnes

IDNS FLM-004-01 (9/91)

STATE OF ILLINOIS  
ILLINOIS EMERGENCY MANAGEMENT AGENCY  
DIVISION OF NUCLEAR SAFETY  
1035 OUTER PARK DRIVE  
SPRINGFIELD, ILLINOIS 62704  
(217) 785-9947

## RADIOACTIVE MATERIAL LICENSE

Pursuant to the Illinois Radiation Protection Act and the rules and regulations in 32 Illinois Administrative Code promulgated thereunder, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess and transfer radioactive material(s) listed herein, and to use such radioactive material(s) for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the Agency now or hereafter in effect and to any conditions specified in the license.

<u>LICENSEE</u>	<u>LICENSE NUMBER</u>	<u>EXPIRATION DATE</u>
Siemens Building Technologies, Inc. 8 Fernwood Road Florham Park, NJ 07932	IL-02386-01	May 31, 2014
	<u>AMENDMENT NUMBER</u>	
	0	
Attention: Harry M. Lee Radiation Safety Officer		

In accordance with application dated March 24, 2009, License Number IL-02386-01 is issued as follows:

ITEM	RADIONUCLIDE	CHEMICAL and/or PHYSICAL FORM	MAXIMUM ACTIVITY* PER SOURCE	MAXIMUM POSSESSION LIMIT
A.	Am-241	Foil Sources - NRD Model A001	0.8 µCi	3.0 Ci

Agency Note: Manufacturers/Distributors must verify authenticity of license and maximum possession limits with the Illinois Division of Nuclear Safety prior to shipment of radioactive material to this licensee.

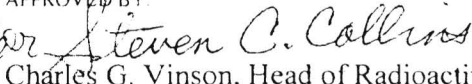
### AUTHORIZED USE:

- A. For use in manufacture, testing and storage of smoke detectors.

### CONDITIONS

1. Radioactive material listed shall be used only at the licensee's facility located at 1000 Deerfield Parkway, Buffalo Grove, Illinois in accordance with statements, representations and procedures listed in other conditions of this license.
2. Radioactive material shall be used by, or under the supervision of, Harry M. Lee, Mark Junge or Ben Verson.

\* µCi-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram; µg-microgram; kg-kilogram

APPROVED BY	DATE	PAGE of PAGES
 Charles G. Vinson, Head of Radioactive Materials IL 473-0059	May 12, 2009	1 3

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IDNS FL M-004-02 (8/91)

STATE OF ILLINOIS  
IEMA DIVISION OF NUCLEAR SAFETY  
RADIOACTIVE MATERIAL LICENSE

<u>LICENSEE</u>	<u>LICENSE NUMBER</u>	<u>AMENDMENT NUMBER</u>	<u>EXPIRATION DATE</u>
Siemens Building Technologies, Inc.	IL-02386-01	0	May 31, 2014

3. The Radiation Safety Officer for this license is Harry M. Lee.
4. This license does not authorize commercial distribution of radioactive material to persons exempt from licensing requirements pursuant to 32 Ill. Adm. Code 330.40(b) or the equivalent regulations of an Agreement State or the U.S. Nuclear Regulatory Commission.
5. Radioactive material shall not be used in or on human beings.
6. Sealed sources containing radioactive material shall not be opened.
7. Radiation surveys and contamination monitoring shall be conducted at intervals not to exceed 6 months (semi-annually).
8. The licensee shall have radiation survey instrument(s) used to establish compliance with 32 Ill. Adm. Code calibrated by a person specifically authorized by the Agency, an Agreement State, or the U.S. Nuclear Regulatory Commission to perform such services. Records of radiation survey instrument calibrations shall be maintained for Agency inspection.
9. The Radiation Safety Officer may delegate certain duties to specified individuals provided that:
  - A. The licensee maintains, for a period of 5 years, records of all individuals designated by the Radiation Safety Officer to perform duties or meet regulatory requirements that would otherwise be required as a duty of the Radiation Safety Officer. These records shall include:
    1. The name of the individual;
    2. A list of all duties the Radiation Safety Officer's designee is authorized to perform;
    3. The date upon which the designation became effective;
    4. The signature of the Radiation Safety Officer's designee; and
    5. The signature of the Radiation Safety Officer.

\*  $\mu$ Ci-microcurie, mCi-millicurie; Ci-Curie, MBq-Megabecquerel, GBq-Gigabecquerel, TBq-Terabecquerel; g-gram,  $\mu$ g-microgram, kg-kilogram

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Charles G. Vinson, Head of Radioactive Materials

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(Condition 9. continued)

Charles G. Vinson, Head of Radioactive Materials

May 12, 2009

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