

April 2, 1996



FYRNETICS INC.

Chris Brown
U.S. NRC
Mail Stop TW8K7
Washington D.C. 20555

Subject: Addition of new smoke alarm model to current licence
12-16855-01E control # 021785

Dear Mr. Brown;

In our phone conversation on 4/2/96 you mentioned that you could not find the drawings relating to our model 0915 smoke alarm in the NRC file, and that you needed these drawings for comparison with the new model 0914 smoke alarm drawings. I have included the following drawings for the model 0915:

- 1, Circuit board drawing, which is referred to by UL as ILL. 19 page 2. The comparable drawing for the 0914 circuit board will be the drawing labeled with the part # 0925-5201 REV.00
- 2, Base drawing, which is referenced to by UL as ILL 26. The comparable drawing for the model 0914 will be the drawing labeled BASE with the part # 0919.
- 3, Cover drawing, which is referred to by UL as ILL 25. The comparable drawing for the 0914 will be the drawing labeled COVER with a part # of 0925.

You questioned if the 3 cover to base were the same on the 0914 as on the 0915. The 0914 also uses 3 snap latches. The 0914 latches have been re-engineered to increase their strength and to increase their tamper resistance.

All other aspects of the 0914 will be the same as that of the 0915, it will use the type 200 ionization chamber outlined in our current licence.

You also requested information relating to the point of purchase packaging for the model 0914. The information will be printed on the bottom flap of the retail package and will contain the following text:

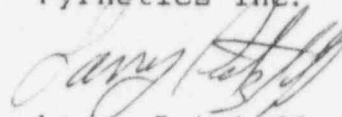
"This product is designed to detect products of combustion using the ionization technique. It contains 0.9 microcurie of Americium 241, a radioactive material. Distributed under U.S. NRC Licence No. 12-16856-01E. Manufactured in compliance with the U.S. NARC safety criteria in 10 CFR 32.27. The purchaser is exempt from any regulatory requirements."

9610180169 960819
PDR RC *
SSD PDR

The detector label will contain the following information:
Contains radioactive material. This device contains 0.9
microcurie of americium 241. This alarm is distributed under
U.S. NRC licence No. 12-16856-01E.

If you need additional information for this project please
call me.

Sincerely;
Fyrnetics Inc.



Larry Ratzlaff
Product Engineer

cc Tom Russo, JoAnne Sha

MATERIALS LICENSE

Amendment No. 10

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, 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.

Licensee		In accordance with application dated May 1, 1991	
1.	Fyrnetics, Inc.	3. License number	12-16856-01E is amended in its entirety to read as follows:
2.	1055 Stevenson Court, Suite 102-W Roselle, Illinois 60172	4. Expiration date	May 31, 1998
		5. Docket or Reference No	030-11752
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license	
A. Americium-241	A. Foil sources (Nuclear Radiation Developments Model A-001, Amersham Corp. Model AMM-1001)	A. Not applicable. (See Condition 10)	

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 each device does not exceed the amounts specified in the following table:

Device Model	Maximum Quantity per Device
SMD1	1.0 microcurie
0805	1.0 microcurie
0905	1.0 microcurie
0906	1.0 microcurie
0908	1.0 microcurie
0915	1.0 microcurie
0916	1.0 microcurie
0918	1.0 microcurie
1225	1.0 microcurie
1235	1.0 microcurie
1255	1.0 microcurie
1275	1.0 microcurie
1285	1.0 microcurie

9316100201 ZPD

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

12-16856-01E

Docket or Reference number

030-11752

Amendment No. 10

CONDITIONS

(Continued)

11. This license does not authorize possession or use of licensed material.
12. The licensee may distribute only from its facility located at 1055 Stevenson Court, Suite 102-W, Roselle, IL.
13. The licensee shall file periodic reports as specified in Section 32.29(c), 10 CFR Part 32.
14. 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 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 February 28, 1988;
 - B. Application dated May 1, 1991, as amended by application dated July 18, 1991;
 - C. Letter dated August 31, 1992; and
 - D. Registration Certificate No. NR-317-D-101-E dated January 4, 1993, as corrected by Certificate dated May 13, 1993.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

DATE: MAY 17 1993

BY:

Patricia C. Vacca

Patricia C. Vacca
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS
Washington, D.C. 20555