

11/7/2001



US Nuclear Regulatory Commission
Materials Inspection and Safety Branch
Attn: Michele Burgess
Washington D.C. 20555-0001

RE License Number 20-15285-03E

Dear Michele

The purpose of this letter is to assist the NRC with the completion of our recent license renewal.

We certify that operations at Kidde-Fenwal with regard to licensed activities have not changed since our last license renewal application. All models of smoke detectors and quantities of radioactivity have not changed.

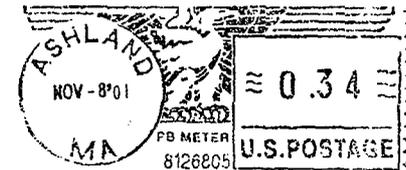
If I can be of any further assistance please call me at (508) 881-2000.

Sincerely,
Bill Sawyer RSO
Kidde-Fenwal, Inc.

A handwritten signature in cursive script that reads "Bill Sawyer".

B-15

 **Kidde Fenwal**



US Nuclear Regulatory Commission
Materials Inspection and Safety Branch
Attn: Michele Burgess
Washington D.C. 20555-0001

20555+0001



PERFORMANCE AND LIMITED REVIEW CHECKLIST

Licensee: Kidde-Fenwal, Inc.
 License or Docket No: 20-15285-03E, 030-32498
 Control No: 022192

The following performance indicators were reviewed:

<u>Performance Indicator</u>	<u>Conclusion</u>	<u>If YES, explain:</u>
Enforcement History	YES <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/>	none found in NIMED & NUDACS & ADAMS
Loss of Material	YES <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/>	
Unauthorized Disposal or Release of Material	YES <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/>	
Overexposure	YES <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/>	

If any of the above items are checked "YES", perform a Comprehensive Review using the applicable guidance contained in NUREG 1556. If all boxes are checked "NO," perform a Limited Review. An exception must be approved by a supervisor, documented on this form, or a copy of the documentation must be attached to this document for placement in the docket file.

Additional Information or Explanation of Exception

Comprehensive Review
 Limited Review

A. Kirkwood 12/17/01
 Reviewer / Date

 Supervisor / Date

LIMITED REVIEW ITEMS¹

Licensee: Kidde-Fenwal, Inc.
License or Docket No: 20-15285-03E, 030-32498
Control No: 022192

- NRC-313 or appropriate equivalent signed and dated by senior licensee representative.
- Place of use is a physical location (i.e., not P.O. Box, etc.)
- NA RSO and key personnel are appropriately qualified.
- NA Facilities and equipment are adequate.
- All uses qualify for a categorical exclusion in 10 CFR Part 51.
- NA Organizational structure conforms with applicable regulations and NUREG 1556 guidance² (appropriate individuals are present and are assigned necessary authority & responsibility)
- NA The audit program structure conforms with applicable regulations and NUREG 1556 guidance².
- NA New authorizations requested by the licensee and any major program elements which require change as a result of the new authorization structure conform with applicable regulations and NUREG 1556 guidance².

Major program changes, new high risk technology programs, and changes in control (ownership) normally require only a focused review of the specific changes. If these changes are so extensive that a Comprehensive Review of the entire application is needed, obtain Branch Chief approval before proceeding. Each of the following three items must be marked with NA or a check and the change briefly identified.

NA Major program change conforms with applicable regulations and NUREG 1556 guidance².

NA New high risk technology program conforms with regulations for similar technologies, guidance provided for similar technologies in NUREG 1556 guidance², and specific licensing conditions for the new technology.

¹ Use either a check mark to designate a satisfactory response, "NA" to designate not applicable or "D" to designate deficiency as appropriate.

² Reviewers are reminded licensees have the flexibility to provide information equivalent to that requested in NUREG 1556.

NA

Change in Control (Ownership) conforms with applicable regulations and NUREG 1556 guidance².

NA

A brief overview of the remainder of the application found the major areas discussed in the guidance² described in Section 8 of the appropriate NUREG 1556 series are present. *Licensee stated no changes from previously approved program.*

NA

An obvious failure or a deficiency in a significant area resulted in a thorough review of that area.

NA

A Comprehensive Review was conducted and the reason for changing from a Limited Review to a Comprehensive Review is documented on the "Performance and Limited Review Check List."

✓

Appropriate additional information was requested (circle as appropriate: phone log / e-mail/ fax/ letter / _____)

dgl.ste - TNVTPlus

<<NUDOCS/AD>> TCON113 Nuclear Regulatory Commission HDQ73 V6.3.23.0
 = Records 1 - 5 == Subject/Field/Boolean Results = Select Count 7 =

Accession#	Docket	Author Name	Affil	Issued	Microfiche Address
9809230325 (*)	03032498	KIRKWOOD, A.S.	NOMACDI	980917	A5201-171/A5201-235
Voided matls licensing action for license 20-15285-03E for Kidde-Fenwal, Inc. Control:021878.					
9607030504 (*)	03032498	COOL, D.A.	NOMACDI	960604	88864-287/88864-288
Advises that license 20-15285-03E extended by amended 10CFR30,40 & 70 & will now expire on 960116. License will not be amended to					
9508080367 (*)	03003864	HALL-DAIDEN, T.	NE R1	950608	84949-214/84949-214
Safety insp on 950608 of licenses 20-15285-01 & 20-15285-03E. Insp findings: no violations observed.					
9302260117 (*)	03032498	LAMASTRA, M.A.	NOMACDIM	921102	74043-305/74043-345
Matls licensing package for amend 2 to license 20-15285-03E for Kidde-Fenwal, Inc. Control:021436.					
9207300021 (*)	03032498	LAMASTRA, M.A.	NOMACDIM	910920	62570-219/62570-314
Matls licensing package for license 20-15285-03E for Fenwal Inc. Control:021250.					

Arrows-Scroll, ENTER-Select, F10-Mark For Download, CTRL-F9-Continue Download.
 Count: *5 <Replace>

Start G R B O R M A N C S A C Ed N 2:31 PM

ADAMS Find

File View Options Help

Documents Packages

Look In:

Main Library

Official Agency Records Only

Maximum Returned:

110

Accession Number:

Document Date:

MM/DD/YYYY To MM/DD/YYYY

Docket Number:

03032498

Author Name:

Case or Reference Number:

Title Contains:

Document Type:

Document Text Contains:

Documents matching all entered criteria will be found (criteria are ANDed together)

Find Type

Simple

Advanced

Find Now

Stop

Find Count

Clear Criteria

Previous

Title	Accession Num...	Document Date
Receipt of Renewal Application for License No. 20-15285-03E, Received October 1, 2001, Control No. 022192; Docke...	ML012960281	10/25/2001

1 item found

new NSSDR on prod server NSSDR

SSDTRACK

SSDS

Metrics

R&D/REF

Calculator

Useful Stuff

Ms-dos

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Visio32

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3:21 PM



NMED

Nuclear Materials Events Database

Click on the Browser's 'Back' Button at the top left of the screen to return to the previous page.

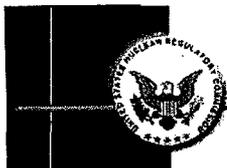
These are your Selected Query Options:

Licensee Name/License Number: All names and numbers are included	Reporting Requirement: All names and numbers are included
State(s): All States are included	Isotope: All Isotope are included
Event Cause: All Causes are included	Keyword: cpd
System Involved: All Systems are included	Date Range: 01/01/1989 to 11/08/2001
Component Involved: All Components are included	NRC Region(s): 0 1 2 3 4
Reportable Events: All States: Reportable, Not Reportable and Unknown	Event Classes Included: All Event Classes are Included
Agreement State Status: All States: Agreement or Not	Abnormal Occurrence Status: All Occurrence: Abnormal or Not
Sorted By: Licensee Name	

No Records Found.

[NMED Home](#) | [Report Menu](#)

*10 years
12/31/2011*



NMED

Nuclear Materials Events Database

Click on the Browser's 'Back' Button at the top left of the screen to return to the previous page.

These are your Selected Query Options:

Licensee Name/License Number: 20-15285

State(s): All States are included

Event Cause: All Causes are included

System Involved: All Systems are included

Component Involved: All Components are included

Reportable Events: All States: Reportable, Not Reportable and Unknown

Agreement State Status: All States: Agreement or Not

Sorted By: Licensee Name

Reporting Requirement: All names and numbers are included

Isotope: All Isotope are included

Keyword: All Key Words are included

Date Range: 01/01/1989 to 11/08/2001

NRC Region(s): 0 1 2 3 4

Event Classes Included: All Event Classes are Included

Abnormal Occurrence Status: All Occurrence: Abnormal or Not

No Records Found.

[NMED Home](#) | [Report Menu](#)

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 03255
Status Code: 0
Fee Category: 3H
Exp. Date: 20011031
Fee Comments:
Decom Fin Assur Reqd: N

LICENSE FEE TRANSMITTAL

A. REGION HQ

1. APPLICATION ATTACHED
Applicant/Licensee: KIDDE-FENWAL, INC.
Received Date: 20011001
Docket No: 3032498
Control No.: 022192
License No.: 20-15285-03E
Action Type: Renewal

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

3. COMMENTS

Signed _____
Date _____

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 _____

030-32498

NRC FORM 313 (8-2000) U.S. NUCLEAR REGULATORY COMMISSION
10 CFR 30, 32, 33, 34, 35, 36, 39, and 40

APPROVED BY OMB: NO. 3150-0120 EXPIRES: 08/31/2002

APPLICATION FOR MATERIAL LICENSE

Estimated burden per response to comply with this mandatory collection request: 7.4 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to bj1@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

SAM NUNN ATLANTA FEDERAL CENTER
U. S. NUCLEAR REGULATORY COMMISSION, REGION II
61 FORSYTH STREET, S.W., SUITE 237B5
ATLANTA, GEORGIA 30303-8831

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
801 WARRENVILLE RD.
LISLE, IL 60532-4351

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-8064

2008 OCT -1 PM 3:05
RECEIVED

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

A. NEW LICENSE

B. AMENDMENT TO LICENSE NUMBER

C. RENEWAL OF LICENSE NUMBER 20-15285-03E

2. NAME AND MAILING ADDRESS OF APPLICANT (include ZIP code)

Kidde-Fenwal Inc.
400 Main St.
Ashland MA 01721

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Kidde-Fenwal Inc.
400 Main St.
Ashland MA 01721

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

William E. Sawyer

TELEPHONE NUMBER

(508) 881-2000 ext.2746

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL
a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY 3H AMOUNT ENCLOSED \$ 3,500.00

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON

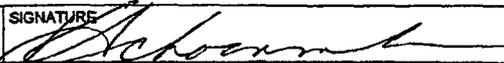
THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE

Kathleen Schoonmaker V.P. Operations

SIGNATURE



DATE

08/22/01

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

022192



Attachment to License Renewal Application (License No. 20-15285-03E)

Item # 5 Description of Radioactive material

Kidde-Fenwal uses Americium 241 in its assemblies of Smoke Detectors. They are foil type sources purchased from Nuclear Radiation Development (model A-001), and/or Amersham Corp. (models AMM-1001, AMM-1001H, and AMM-1001D). Each source does not exceed 6 microcuries per source and 1.8 millicuries total.

There are other models for which other thresholds apply. Amersham Corps. Models AMM-1001 are not to exceed 2.5 microcuries each and 800 millicuries total.

Item # 6 Purpose for which material will be used.

These sources are assembled into ionization type smoke detectors designed to detect invisible and visible products of combustion. The detectors are designed for open area protection and duct housing applications. The detectors are primarily commercial and industrial, but may infrequently be used in residential installations.

Item # 7 Individual responsible for Radiation Safety Program and their training experience.

William E. Sawyer a 20 year veteran at Kidde-Fenwal is the Radiation Safety Officer. Mr. Sawyer has attended a 40 hour training course at the Harvard School of Public Health in August of 1998. He also attended a 40 hour course at Howard Levingston and Associates in June of 1999. Mr. Sawyer performs all of the tasks that are required by State and Federal regulations, and strictly follows all policies and procedures as outlined in our Radiation Safety Policy (RS-1).

Item # 8 Training for Individuals Working in or Frequenting Restricted Areas

Personnel will receive annual training with regards to general radiation safety protection including but not limited to the biological effects of radiation, basic principles of radiation safety, the importance of good personal hygiene, film badges, and personal protective equipment.

Item # 9 Facilities and Equipment

Radioactive materials are used and processed in a controlled assembly area. Only authorized personnel have access to this restricted area. Source materials when not in use are stored inside locked lead lined cabinets. Employees are trained on the proper handling of source material and are instructed as to the maximum amount of source material to be used at one time. The restricted areas are equipped with all of the appropriate signage, and under no circumstances are employees allowed to enter the restricted area without the proper safety devices and monitoring equipment.

Item # 10 Radiation Safety Program

Kidde-Fenwal has a strict Radiation Safety Program/policy (document number RS-1) and strictly adheres to those guidelines set forth in that policy. All procedures and policies are in accordance with 10 CFR and with the State of Massachusetts Regulations 105 CMR. The Radiation Safety Committee reviews the policies and procedures defined in RS-1 at least annually. The policy



addresses organizational responsibilities, employee qualifications, storage of radioactive materials, procurement, maximum permissible exposures, waste disposal, RSO responsibilities, inventory control, survey procedures, training requirements, notification of incidents, and an emergency telephone listing.

Item # 11 Waste Management

Waste radioactive source materials are stored in lead cans, which are then stored inside a lead-lined cabinet. These are accumulated for an indefinite period of time until a significant quantity is accumulated. The material is then disposed of via a licensed disposal contractor. During the accumulation time accurate and updated inventory records are kept indicating the exact amount of waste material is in storage. These records are readily available in the case of an emergency.

Please note that the payment for this license renewal was mailed to the address shown on the copy of the invoice that is attached.

License # 20-15285-03E

U. S. NUCLEAR REGULATORY COMMISSION
 FY 2001 Annual Materials Fee Invoice
 Period 10/1/2000 - 9/30/2001
 10 CFR 171.16

Invoice Date	License Anniversary Month	Invoice Number
=====	=====	=====
09/04/2001	September	AM4559-01

KIDDE-FENWAL, INC.
~~ATTENTION: RADIATION SAFETY OFFICER~~
 400 MAIN STREET
 ASHLAND MA 01721

***** Mark THIS COPY with any billing address changes *****

License/Approval/ Registration/ Certificate Number	Code	Annual Fee Category(s)	Fee Amount
=====	=====	=====	=====
20-15285-03E	AA905 ANN	3H	\$ 3,200.00
		TOTAL:	\$ 3,200.00
		TOTAL INVOICE:	\$ 3,200.00

If paid by Fedwire see attached Terms and Conditions. If paid by check, make check payable to the NRC (reference Invoice no.) and mail to:

=====

U.S. Nuclear Regulatory Commission	<=== This PO Box address is
License Fee & Accounts Receivable Branch	<=== for receipt of payments
P.O. Box 954514	<=== only.
St. Louis, MO 63195-4514	

For terms and conditions see attached.
 Payment must be received within 30 days of the date of this invoice to avoid late charges.
 Questions: call 301/415-7554

 * * * * *
 * P A Y M E N T C O P Y *
 * * * * *

====> To ensure accurate credit, return this copy of the <===
 ====> invoice with your payment. Processing may be <===
 ====> delayed if the invoice is not included. <===

KIDDE-FENWAL, INC.
400 MAIN STREET
ASHLAND, MA 01721

CERTIFIED MAIL



7000 1670 0002 1429 7045



FIRST CLASS MAIL



Licensing Assistance Section
Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission
475 Allendale Rd.
King of Prussia PA 19406-1415