

MATERIALS LICENSE

Amendment No. 21

ORC

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.

Licensee		In accordance with application dated September 26, 1994, 3. License Number 12-15537-02E is renewed in its entirety to read as follows:	
1. Coleman Safety & Security Products, Inc.			
2. 2820 Thatcher Road Downers Grove, IL 60515-4040		4. Expiration Date May 31, 2007	
		5. Docket or Reference No. 030-11357	
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 in smoke detector devices (NRD Model A-001 or Amersham Model AMM-1001H)	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 the device does not exceed the amounts specified in the following table:

Device Model	Maximum Quantity per Device
9.0 V Series	1.0 microcurie
120 V/AC Series	1.0 microcurie

050011



MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

12-15537-02E

Docket or Reference Number

030-11357

Amendment No. 21

CONDITIONS

11. This license does not authorize possession or use of licensed material.
12. The licensee may distribute only from its facilities located at 2020 Thatcher Road, Downers Grove, IL and 28 Leigh Fisher Boulevard, Butterfield Trail Industrial Park, El Paso, TX.
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 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 September 24, 1994
 - B. Letter dated October 12, 1995
 - C. Letter dated August 22, 1996
 - D. Letter dated February 6, 1997
 - E. Registration Certificate NR-0545-D-101-E

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

DATE: MAY 28 1997

BY:

Susan L. Greene
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety
Office of Nuclear Material Safety
and Safeguards
Washington, DC 20555

Coleman Safety & Security Products, Inc.
ATTN: Tom Barakat
Radiation Safety Officer
2820 Thatcher Road
Downers Grove, Illinois 60515-4040

Dear Mr. Barakat:

Enclosed is Amendment No. 21 renewing NRC License No. 12-15537-02E in its entirety.

Please review the enclosed license carefully and be sure that you understand all the conditions. If there are any errors or questions, please contact me so that appropriate correction and answers can be provided.

Please be advised that you must conduct your program involving radioactive materials in accordance with the conditions specified in your NRC license, representations made in your license application, and other rules, regulations, and orders of the U.S. Nuclear Regulatory Commission, now or hereafter in effect, to include the following:

1. Comply with applicable NRC regulations in 10 CFR Part 30, "Rules of General Applicability to Domestic Licensing of Byproduct Material"; 10 CFR Part 32, "Specific Domestic Licenses to Manufacture or Transfer Certain Items Containing Byproduct Material"; and other applicable regulations.

NOTE: Licensees authorized to distribute or initially transfer products containing byproduct material must also possess a valid possession license issued either by NRC or an Agreement State(s) which authorizes possession and use of byproduct material.

2. Distribute only those products containing radioactive material which are specifically authorized in your license.
3. Notify NRC in writing within 30 days of any change in mailing address (no fee is required if the location of radioactive material remains the same).
4. Request and obtain appropriate amendments if you plan to change control or ownership of your organization, change locations of distribution of products containing radioactive material, or make any other changes in your program which are contrary to the license conditions or representations made in your license application and any supplemental correspondence with NRC. A license fee may be charged for the amendments if you are not in a fee-exempt category.

5. Submit a complete renewal application (with proper fee) or termination request (no fee required) at least 30 days before the expiration date on your license. You should receive a reminder notice approximately 90 days before the expiration date. Continued distribution of products containing radioactive material after your license expires is a violation of NRC regulations.
6. In accordance with 10 CFR 30.36, request termination of your license if you plan to permanently discontinue activities involving distribution of products containing radioactive material.

You will be periodically inspected by NRC. Failure to conduct your program in compliance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC may result in enforcement action(s) against you. This could include issuance of a notice of violation; proposed imposition of a civil penalty; or an order suspending, modifying, or revoking your license as specified in the "General Statement of Policy and Procedures for NRC Enforcement Actions," (NUREG-1600).

If you have any questions, please feel free to contact me at (301) 415-7843.

Sincerely,

SL
Susan L. Greene
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety
Office of Nuclear Material Safety
and Safeguards

Docket No. 030-11357

Enclosure: Amendment No. 21

cc: Thomas W. Ortoger, Director
Department of Nuclear Safety
1035 Outer Park Drive
Springfield, IL 62704

DISTRIBUTION:
License File 12-15537-02E
IMAB r/f
SBaggett

DOCUMENT NAME: G:\COLEMAN.SLG

To receive a copy of this document, indicate in the box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

OFFICE	IMAB:NMSS								
NAME	SL Greene:cjb								
DATE	08/28/97								

OFFICIAL RECORD COPY

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 03255
Status Code: 0
Fee Category: 3H
Exp. Date: 19941031
Fee Comments:
Decom Fin Assur Reqd: N

LICENSE FEE TRANSMITTAL

A. REGION HQ

1. APPLICATION ATTACHED

Applicant/Licensee: SEATT CORP.
Received Date: 940927
Docket No: 3011357
Control No.: 021679
License No.: 12-15537-02E
Action Type: Renewal

2. FEE ATTACHED

Amount: \$2300.00
Check No.: 79055

3. COMMENTS

Signed
Date

M. Moriarty
9-28-94

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered ☒)

1. Fee Category and Amount: 3H

\$2300

2. Correct Fee Paid. Application may be processed for:

Amendment
Renewal ☒
License

3. OTHER

Signed
Date

Linda Mitchell
9-30-94

1994 SEP 29 PM 5:55

R1201021

LICENSING TRACKING SYSTEM

DATE: 940927
PAGE: 1

LTS WORKSHEET

DOCKET NO : 03011357 LICENSE NO : 12-15537-02E STATUS: 0
MAIL CONTROL: 021679 RECEIPT DATE : 940927 ACTION TYPE: 3
DUE DATE : 950326
FED. GOVT : N INST. CODE : 15537 LICENSE REGION: 0
ISSUE DATE: ~~950421~~ ORIGINAL DATE: 841129 EXPIRATION DATE: ~~19941031~~
NAME: ~~SEATT CORP~~
DEPT/BUREAU: COLEMAN SAFETY & SECURITY
PRODUCTS, INC.
BUILDING :
STREET : 2820 THATCHER RD.
CITY : DOWNERS GROVE STATE: IL ZIP: 605154040
CONTACT PERSON: TOM BARAKAT, R.S.O. PHONE: 708-963-1580

PRIMARY PGM CODE : 03255 SECONDARY PGM CODES: _____
INSPECTION REGION: 3 PRIORITY CODE: 5 INSPECTION CATEGORY: E2

RADIATION SAFETY OFFICER: _____

STATES WHERE USE IS AUTHORIZED: 10 0 - ALL LISTED STATES
1 - SAME AS STATE IN ADDRESS
2 - ALL STATES
3 - NON-AGREEMENT STATES
AUTHORIZED STATES: TX (USE ONLY IF ABOVE IS ZERO)

REPORTING IDENTIFICATION SYMBOL: _____

APPROVAL FOR: REDISTRIBUTION: N STORAGE ONLY: N
TEMPORARY JOB SITES: N INCINERATION: N
BURIAL: N

EXEMPTIONS: (1) _____ (2) _____

*IMP - please
assign CB
Buell IMP
product transfer
attached
- need current
possession lic.*

amdt #20

POSSESSION LIMIT INFORMATION

PAGE: 2

MATERIAL TYPE	NPA	FORM CODE: NPA	AGGREGATE CODE: NPA
MODEL NUMBER			
DESCRIPTION			
TOTAL QUANTITY	0000000.000000000	UNIT: _____	
OTHER	—	# SOURCES: _____	
MATERIAL TYPE	_____	FORM CODE: _____	AGGREGATE CODE: _____
MODEL NUMBER	_____		
DESCRIPTION	_____		
TOTAL QUANTITY	_____	UNIT: _____	
OTHER	—	# SOURCES: _____	
MATERIAL TYPE	_____	FORM CODE: _____	AGGREGATE CODE: _____
MODEL NUMBER	_____		
DESCRIPTION	_____		
TOTAL QUANTITY	_____	UNIT: _____	
OTHER	—	# SOURCES: _____	
MATERIAL TYPE	_____	FORM CODE: _____	AGGREGATE CODE: _____
MODEL NUMBER	_____		
DESCRIPTION	_____		
TOTAL QUANTITY	_____	UNIT: _____	
OTHER	—	# SOURCES: _____	
MATERIAL TYPE	_____	FORM CODE: _____	AGGREGATE CODE: _____
MODEL NUMBER	_____		
DESCRIPTION	_____		
TOTAL QUANTITY	_____	UNIT: _____	
OTHER	—	# SOURCES: _____	
MATERIAL TYPE	_____	FORM CODE: _____	AGGREGATE CODE: _____
MODEL NUMBER	_____		
DESCRIPTION	_____		
TOTAL QUANTITY	_____	UNIT: _____	
OTHER	—	# SOURCES: _____	

INDIVIDUAL USERS

PAGE: 3

NAME

AUTHORIZATION

ADDRESS WHERE MATERIAL IS USED OR POSSESSED

BUILDING: 2
ROOM:
STREET: 21-B ZANE GREY BLVD.
CITY: EL PASO
STATE: TX 79936

3
28 LEIGH FISHER BLVD.
EL PASO
TX

BUILDING: 1
ROOM:
STREET: 2820 THATCHER ROAD
CITY: DOWNERS GROVE
STATE: IL

BUILDING:
ROOM:
STREET:
CITY:
STATE:

BUILDING:
ROOM:
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STREET:
CITY:
STATE:



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

December 30, 1996

MEMORANDUM TO: Susan Greene, Health Physicist
Commercial Section

FROM: Chris L. Brown *CLB*
Sealed Source Safety Section

SUBJECT: SSD TECHNICAL ASSISTANCE REQUEST:
COLEMAN SAFETY & SECURITY PRODUCTS, INC.
CONTROL NO. - 95-101
LICENSE NO. - 12-15537-07E

In response to a technical assistance request from the Commercial Section dated October 12, 1995, for the need of a SSD review associated with Coleman Safety & Security Products, Inc.'s (formerly Seatt Corporation) license application, we have completed the SSD review. Please find enclosed a copy of registration certificate NR-0545-D-101-E.

If you have any questions, please contact me at 415-5787 or Mr. Douglas A. Broaddus at 415-5847.

Attachment: As stated

cc: Skimberley, LFDCB
CBoyle, IMAB

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

NO.: NR-0545-D-101-E

DATE: December 20, 1996

PAGE 1 OF 4

DEVICE TYPE: Ionization Smoke Detector

MODEL: 9.0 V Series, 120 V/AC Series
(See Description for previous model designations)

MANUFACTURER/DISTRIBUTOR: Coleman Safety and Security
Products, Inc.
(Formerly Seatt Corporation)
2820 Thatcher Road
Downers Grove, IL 60515-1580

SEALED SOURCE MODEL DESIGNATION: Amersham Model AMM-1001 H
NRD Model A-001

ISOTOPE:

Americium-241

MAXIMUM ACTIVITY:

1.0 microcurie (37 kBq)

LEAK TEST FREQUENCY: Not Required

PRINCIPAL USE: (P) Ion Generator, Smoke Detector

CUSTOM DEVICE: _____ YES _____ X _____ NO

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

NO.: NR-0545-D-101-E

DATE: December 20, 1996

PAGE 2 OF 4

DEVICE TYPE: Ionization Smoke Detector

DESCRIPTION:

The Models 9.0 V and 120 V/AC Series devices are ionization type smoke detectors containing a maximum of 1.0 μCi (37 kBq) of Am-241. Each of the series use the same ionization chamber. The models in the series are essentially similar in design and construction with size and cosmetic differences being the primary variations between the series. The models in the 9.0 V series are powered by a 9 volt DC battery while the models in the 120 V/AC series are powered by a 120 AC line voltage. Models in the 120 V/AC series can come equipped with or without a battery back-up.

The external dimensions of the models within the series range from 4" (101.6 mm) to 5" (127 mm) in circumference and 1" (25.4 mm) to 1.5" (38.1 mm) in height. The circuit board is common between all models with exception of added space for additional features, i.e., escape light, alarm silence, etc. The chambers all incorporate either a NRD or Amersham source with maximum activity of 1.0 μCi (37 kBq). Although these devices were originally approved for a maximum activity of 1.3 μCi (48.1 kBq), Coleman Safety and Security Products, Inc. (formerly Seatt Corporation) never manufactured or intends to manufacture at an activity greater than 1.0 μCi (37 kBq). Coleman Safety and Security Products, Inc. distributes the smoke detectors under various marketing names. However, the labels will bare Coleman's license number.

Coleman Safety and Security Products, Inc. previously distributed these detectors under twenty-four separate model numbers. For marketing purposes, Coleman will now distribute the detectors under the 9.0 V and 120 V/AC Series designations.

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

NO.: NR-0545-D-101-E

DATE: December 20, 1996

PAGE 3 OF 4

DEVICE TYPE: Ionization Smoke Detector

DESCRIPTION: (Cont'd)

The elimination of the multiple models numbers does not imply any changes to the ion chamber or design. Previous models were: 100, FXB-1, FXC-1, FXW-1, Montgomery Ward Model 165800 83-7 (FXB-1), Anglo-Nordic Model TYP-9V (FXB-1), Radio Shack Model 275-454 (FXB-1), Radio Shack Model 49-454 (FXB-1), Sunbeam Model 45-51 (FXB-1), FX-1014, FX-1020, FX-830, FX-890, FX-1106, FX-1218, FX-BL, OS-1, FXB-1A, FXW-1A, FXC-1A, Code One 2000/Firex Smoke Alarm Series (each different model in the series is denoted by a letter of the alphabet), Jameson Home Products RS-* Series (* is a numerical suffix), Jameson Home Products CD-* Series (* is a numerical or alphanumeric suffix).

REFERENCES:

The following supporting documents for the Model 9.0 V and 120 V/AC Series smoke detector devices are hereby incorporated by reference and are made a part of this registry document.

- Seatt Corporation's letters dated October 12, 1995, November 22, 1995, May 14, 1996, and November 25, 1996, with enclosures thereto.
- Seatt Corporation's facsimiles dated June 7, 1996, June 10, 1996, June 11, 1996, June 13, 1996, June 14, 1996, and August 29, 1996, with enclosures thereto.

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

NO.: NR-0545-D-101-E

DATE: December 20, 1996

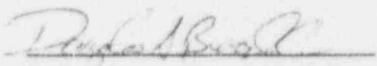
PAGE 4 OF 4

DEVICE TYPE: Ionization Smoke Detector

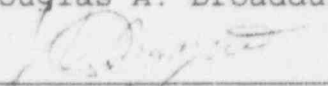
ISSUING AGENCY:

U.S. Nuclear Regulatory Commission

Date: December 20, 1996

Reviewer: 
Douglas A. Broadus

Date: December 20, 1996

Concurrence: 
Steven L. Baggett



*Coleman Safety & Security
Products, Inc.*

2820 Thatcher Road
Downers Grove, Illinois 60515
(630) 719-5500 fax (630) 719-4400

Via Facsimile: (301) 415-5369

February 6, 1997

Ms. Susan Greene
United States Nuclear Commission
Office of Nuclear Material Safety and Safeguards
Washington, DC 20555-000

Dear Ms. Green:

Per your request during our phone conversation this morning, I am enclosing a copy of the smoke detector's label (in generic format) and the statement from the retail packaging. This statement is applied to all products that contain the radioactive source (Americium 241).

In regards to your statement concerning our confidential stamp on our drawings and procedures, this is a routine process our documentation control department follows. Please ignore this, and take this to be your formal authorization to strike it out on our drawings.

If you have any questions, please do not hesitate to contact me at (630) 719-6330.

Sincerely,

A handwritten signature in dark ink, appearing to read "Tom Barakat", with a stylized flourish extending from the end.

Tom Barakat
Radiation Safety Officer

TB:ard

Enclosures



BLINKING RED LIGHT (ONCE/MINUTE): TESTING FOR PRESENCE OF A GOOD BATTERY.
CONSTANT GREEN LIGHT INDICATES ALARM IS CONNECTED TO AND RECEIVING 120V AC POWER.



UNDERWRITERS
LABORATORIES

LISTED INC. ®

SINGLE AND/OR MULTIPLE
STATION SMOKE DETECTOR
ISSUE NO.

WARNING USE SPECIFIED BATTERIES ONLY.
OTHER BATTERIES MAY CAUSE
IMPROPER OPERATION. CONSTANT USE AT HIGH OR LOW
TEMPERATURE OR AT HIGH HUMIDITY MAY REDUCE BATTERY LIFE.

IMPORTANT: REFER TO MANUAL FOR OPERATING INSTRUCTIONS
AND SAFETY INFORMATION. U.S. NRC LICENSE NO. 12-155327-02E.
CONTAINS RADIOACTIVE MATERIAL AMERICIUM 241-1.0 MICROCURIE.

THIS SMOKE ALARM CAN ONLY BE INTERCONNECTED
WITH FIREX MODELS AD, ADG OR FX121B.

WHEN HORN BEEPS AT
APPROXIMATELY ONE
MINUTE INTERVALS
REPLACE BATTERY.
CONTINUOUS HORN
INDICATES ALARM.

RETURN UNITS UNDER WARRANTY TO:

DOWNERS GROVE, IL 60515
ASSEMBLED IN MEXICO.

OBSCURATION 1.20 ± 51%/ft.

STATEMENT ON ALL RETAIL PACKAGING

This smoke alarm is designed to detect products of combustion using the ionization principle. Accordingly it contains 1 microcurie of Americium 241, a radioactive material, and is manufactured in compliance with the US NRC safety criteria in 10-CFR 32.27. The purchaser is exempt from any regulatory requirements. US NRC License No. 12-15537-02E

*Diagrams are kept in
registration file* **Seatt**
CORPORATION

October 12, 1995

2820 Thatcher Road
Downers Grove, Illinois
U.S.A. 60515-4040
PHONE 708-963-1580
FAX 708-960-9302

Ms. Susan Greene
United States Nuclear Regulatory Commission
Office of Nuclear Material Safety and Safeguards
Washington D.C. 20555-000

SUBJECT: License Renewal - License No. 12-15537-02E
Mail Control No. 021679

Dear Ms. Greene:

This is in response to your letter dated August 1st, 1995. In an effort to keep the license brief and straight forward, I would like to propose the following:

The product we manufacturer uses the same radioactive source, AM241, and the same activity, 0.9 $\mu\text{Ci} \pm 0.1$. This source is contained within a metal case (chamber) that is securly soldered on the printed circuit board. This exact chamber is used on all of our smoke detectors without any variation. Therefore, instead of listing all the model numbers, I propose that we list this product as follows:

120 VAC - Ionization Smoke Detector
120 VAC - With a Battery Back-up Ionization Smoke Detector
9.0 VAC - Ionization Smoke Detector
240 VAC
& AC/DC - Ionization Smoke Detector

The above detectors will be distributed under the following companies:

Maple Chase Co.
Jameson Home Products
Code One, Inc.
Newtron Products Co.
Utility Choice Marketing, Inc.

I would also like to request to have the option of cross listing our product in the future without having to apply for an amendment; as long as the product doesn't change.

License Renewal - 12-15537-02E

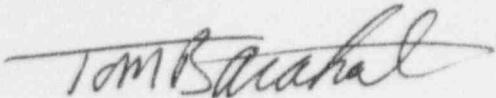
Ms. Susan Greene

Page 2

The following are answers to items 1-8 in your letter dated August 15, 1995:

1. Please see attached drawings for our Model G-6 as a representative sample of all our product due to similarities described above.
2. We are mainly using NRD source and Amersham as an alternative second source.
3. See item 1 above.
4. The statement "Contains Radioactive Material" is engraved on the plastic base on the outside surface on all detectors. See drawing number 430-167 as an example.
5. Please see attached copy of the retail carton, part no. 130-104.
6. Please see attached copies of flowchart and procedures.
7. The points of distribution are the same as indicated.
8. See attached copies of IL-0128-01 and Texas L-03815.

Sincerely,

A handwritten signature in cursive script, appearing to read "Tom Barakat".

Tom Barakat
QA & Regulatory Manager

TB:mic



Texas Department of Health
BUREAU OF RADIATION CONTROL



RADIOACTIVE MATERIAL LICENSE

Pursuant to the Texas Radiation Control Act and Texas Health Department regulations on radiation, 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 radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the Texas Department of Health (agency) now or hereafter in effect and to any conditions specified below.

LICENSEE		This license is issued pursuant to and in accordance with a letter	
Name	Coleman Safety & Security Products, Inc.	Dated: July 1, 1996	
	ATTN: Olivia Muniz	Signed by: Tom Barakat	
Address	23 Leigh Fisher Boulevard Butterfield Trail Industrial Park El Paso, Texas 79906	3. License Number L03815	Amendment Number 09
		PREVIOUS AMENDMENTS ARE VOID	
		4. Expiration Date July 31, 2000	
RADIOACTIVE MATERIAL AUTHORIZED			
Radioisotope Am-241	6. Form of Material A. Sealed source (NRD Model A-001 or A/S Model AMM-1001H or AMM-1001)	7. Maximum Activity* A. No single source to exceed 1.0 μ Ci	8. Authorized Use A. Possession and storage of foils and completed smoke detectors.

9. Radioactive material shall only be stored at:

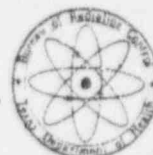
Site Number
000

Location
El Paso - #28 Leigh Fisher Blvd;
Butterfield Trail Industrial Park

10. Each site shall maintain documents and records pertinent to the operations at that site. Copies of all documents and records required by this license shall be maintained for Agency review at Site 000.
11. The licensee shall comply with the provisions of Parts 11, 12, 13, 21, 22, 40 and 41 of the Texas Regulations for Control of Radiation (TRCR).
12. Radioactive material shall only be used by, or under the supervision of, individuals designated by the Radiation Safety Officer (RSO).
13. The individuals designated to perform the functions of RSO for activities covered by this license are Olivia Muniz.
14. Sealed sources containing radioactive material shall not be opened or removed from their respective source holders.
15. The licensee is authorized to conduct a radiation safety course for warehouse personnel in accordance with letter dated August 19, 1985.



Texas Department of Health
BUREAU OF RADIATION CONTROL



RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER	AMENDMENT NUMBER
L03815	09

16. Except as specifically provided otherwise by this license, the licensee shall possess and use the radioactive material authorized by this license in accordance with statements, representations, and procedures contained in the following:

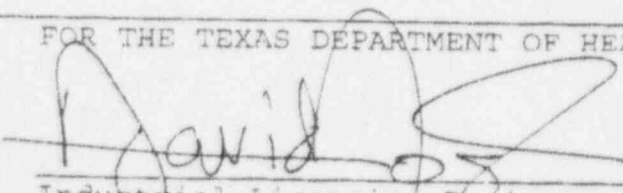
application dated October 20, 1995, and
letter dated August 19, 1985.

The TRCR shall prevail over statements contained in the above documents unless such statements are more restrictive than the regulations.

WPS:em

Date November 8, 1996

FOR THE TEXAS DEPARTMENT OF HEALTH


Industrial Licensing Project



Texas Department of Health

Dr. J. Paterson, M.D.
Commissioner

1100 West 49th Street
Austin, Texas 78756-3189
(512) 458-7111

Carol S. Daniels
Deputy Commissioner for Programs

Andy P. Washington
Deputy Commissioner for Health Care Financing

Radiation Control
(512) 834-6688

Roy L. Hogan
Deputy Commissioner for Administration

November 6, 1996

Mr. Olivia Muniz
Coleman Safety & Security Products, Inc.
28 Leigh Fisher Boulevard
Butterfield Trail Industrial Park
El Paso, Texas 79906

RE: License No. L03815

Dear Mr. Muniz:

We have enclosed Amendment No. 09 to Radioactive Material License No. L03815 in response to your request dated July 1, 1996. Please note that we have removed that part of Condition 13, which refers to the Corporate Radiation Safety Officer (CRSO). Since all inquiries and request to the Agency is expected to be handled through the Radiation Safety Officer (RSO), the addition of the CRSO to the license would only serve to confuse communications with the Agency. This in no way should reflect on your organization structure. This move is strictly designed to minimize possible confusion when communicating with the Agency about changes or inquiries to the license.

If we may answer any questions or be of any assistance, please do not hesitate to call or write.

Sincerely,

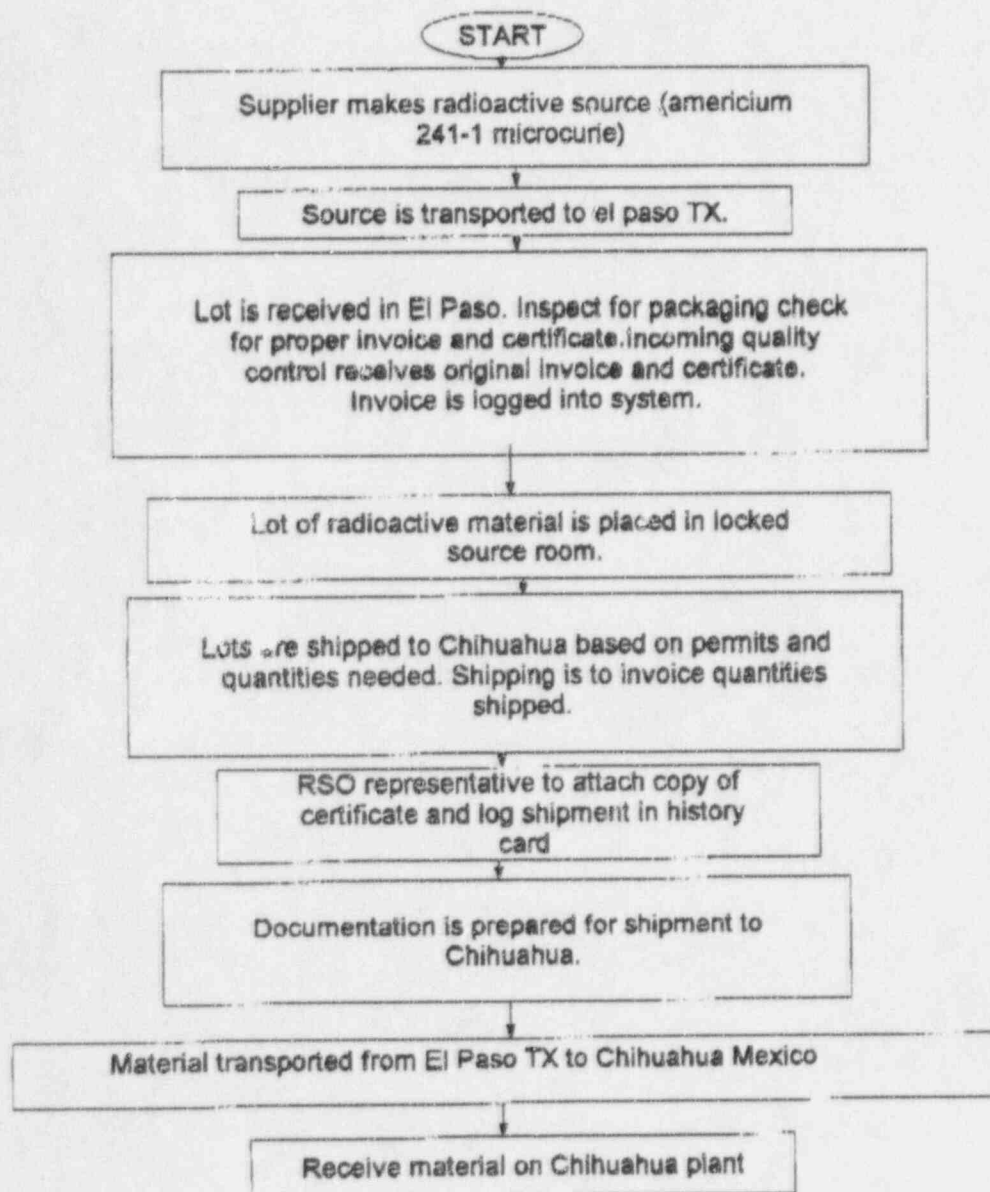
William P. Stringfellow
Industrial Project
Division of Licensing, Registration
and Standards
Bureau of Radiation Control

Enclosure(s)

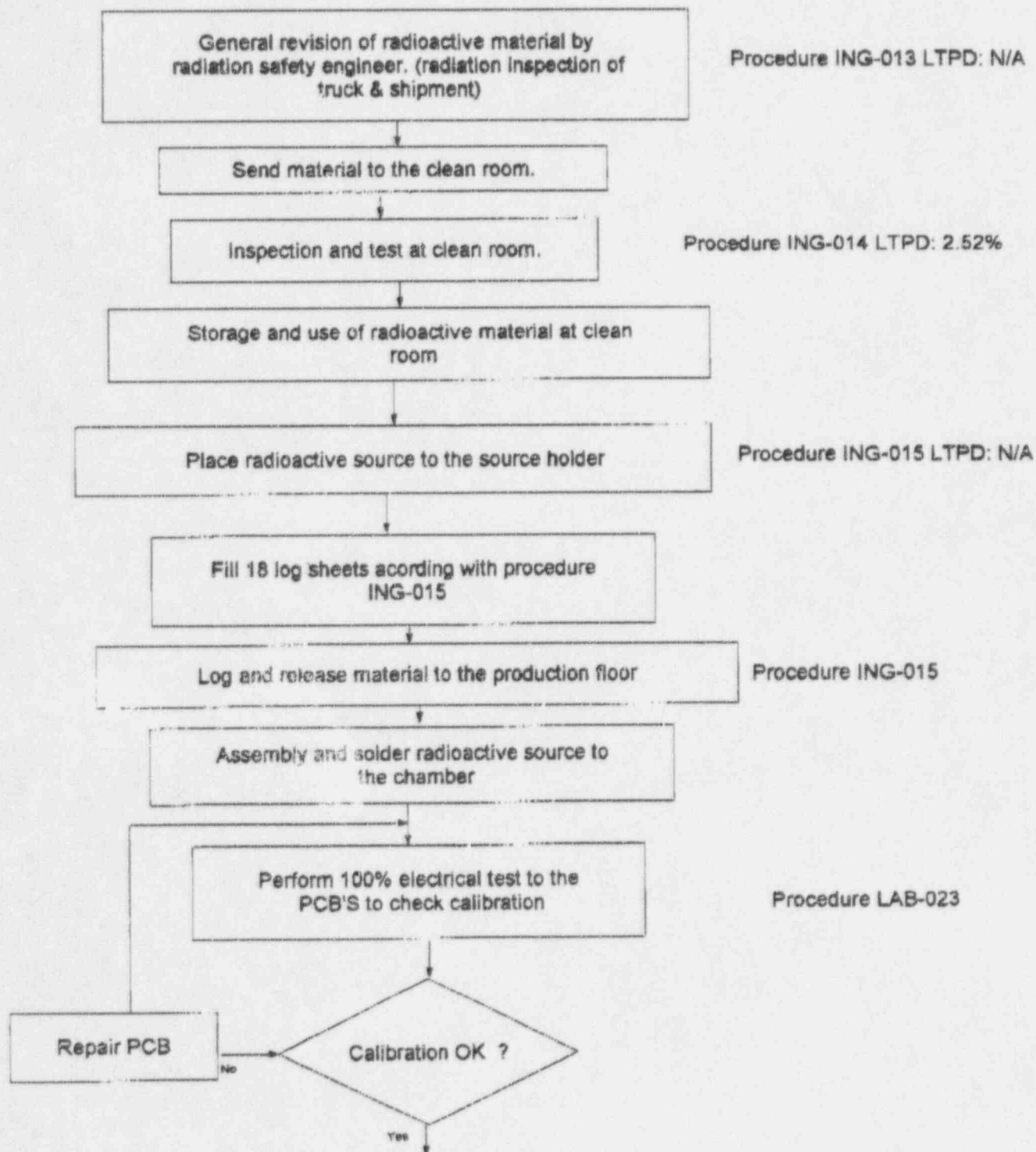
Seatt Corporation

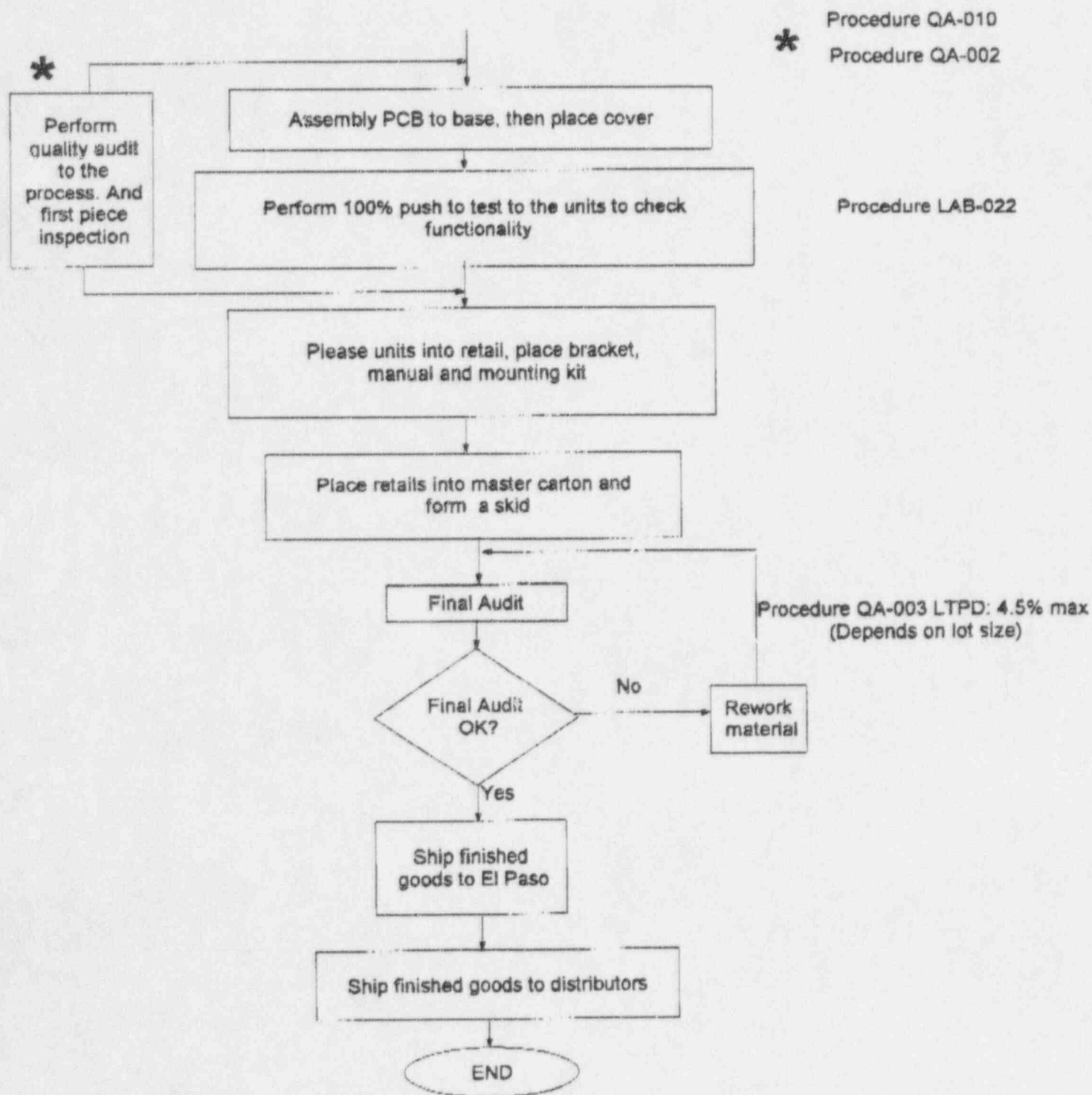
Radioactive Material - Americium 241

FLOW CHART



Procedure ING-012





RADIATION: EL PASO WAREHOUSE

1.0 PURPOSE

To provide handling work instructions to all personnel whom will need to deal with radioactive shipments.

2.0 APPLICATION

For use by anyone handling shipment of radioactive material.

3.0 RECEIVING INSTRUCTIONS

- 3.1 When lots are received need to check for any type of damage that might have occurred to the product during shipment. Boxes should be closed and should show no physical damage done to the boxes nor should the security seal show signs of tampering. If the boxes have considerable amount of damage the shipment should be refused. (Need to keep in mind that the material is packaged in tin containers and there is large amounts of padding in the box to protect it against handling and water damage.) Before returning need to consult R.S.O. representative.
- 3.2 Paperwork should be included with every shipment. Paperwork is to consist of supplier invoice and a certificate for sealed radioactive sources. Boxes are not to be opened to verify counts. Lot should be moved to the radioactive source room. Room is to be kept locked at all times and only during a transaction should anyone be near the area. General rule: radiation sources to always be as far away as possible from any work area and handling should be as minimal as possible.
- 3.3 The original packing slip should be given to the R.S.O. representative for proper filing. The copy will follow the normal receiving procedure which is to include the shipping log.

4.0 SHIPPING INSTRUCTIONS

- 4.1 Sources are shipped in accordance to permit balance and Chih in house balance. Chih, R.S.O. representative will inform shipping of needed quantities via telecon. This will allow shipping to began preparing necessary transaction for shipment of radioactive sources and to notify R.S.O. of outgoing shipment.
- 4.2 Shipping must notify the carrier of shipment of radioactive sources. Special permits must be obtained and only Bonded trailers (special trailer) are to be used.
- 4.3 After shipment is physically ready for shipment readings are taken with a Geiger counter from a distance of 3' (feet). This is performed by the R.S.O. representative. The shipping department will attach a copy of the invoice to the pallet(s). The R.S.O. is to attach a copy of the supplier invoice and certificate to the pallet.
- 4.4 A copy of the packing slip is given to the R.S.O. representative to log into file.

5.0 TRANSPORTATION

- 5.1 Upon leaving the warehouse the driver must be furnished with the following documents:
 - 5.1.1 Bill of lading
 - 5.1.2 DOT routing (HC)
 - 5.1.3 Emergency Response Guide
 - 5.1.4 Must be knowledgeable of Hazardous Waste # 126 & #127

5.1.5 Must speak and write English

5.2 The trailer should be identified with the corresponding labels indicating transportation of radioactive material. R.S.O. representative from Chih. will then accompany the shipment to the Chihuahua facility.

6.0 STORAGE:

6.1 Lots to remain in source room until requested from Chihuahua is made.

6.2 No one is authorized to open sealed cardboard boxes. Only R.S.O. personnel or representative can open these boxes if requested by Cooperate R.S.O.

7.0 PERIODIC CHECKS:

7.1 Quarterly wipe tests are performed. Tin containers are stamped and rubbed against the area that made contact with the radioactive sources. The cans are identified, documented and sent along with the information to Downers Grove. Lab results will indicate levels of radiation in source room, safe, and working area (if applicable).

8.0 SOURCE STORAGE

8.1 All lots rec'd need to be moved into the storage room unless shipment will be leaving same day. El Paso distribution warehouse is not authorized to open tin containers. (El Paso is a "holding area" until Chihuahua requests shipment.)

8.2 Safe.- (Found in storage room.) Utilized for storage of small quantities of radioactive material, usually from units destroyed and sources have been removed. No smoke alarms are to be thrown away until radioactive source has been removed. All sources are stored in safe until shipment is ready for disposal.

9.0 Disposal:

A) Chih and El Paso accumulate small quantities of radiation that cannot be utilized. These quantities are returned back to supplier for disposal. Control and handling is very important and should be done with supervision of R.S.O. authorized personnel.



U.S. Department
of Transportation

Research and
Special Programs
Administration

400 Seventh Street, S.W.
Washington, D.C. 20590

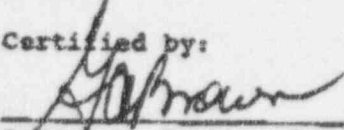
IAEA CERTIFICATE OF COMPETENT AUTHORITY
FOR SPECIAL FORM NONDISPERSIBLE RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0036/S, REVISION 5

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive materials.

1. Source Identification - NRD Model A001
2. Source Description - The Special Form material is a laminated metallic foil matrix of silver, gold, and Americium dioxide as shown on NRD drawing number 92A071 (attached). During transport the material may be in the form of free foils or secured in a variety of holders or mounts.
3. Radioactive Contents - This source consists of Americium-241 as oxide with the activity per foil ranging from less than 0.037 MBq (1 uCi) to 2035 MBq (55 mCi). Activity per unit area does not exceed 0.086 MBq (2.33 uCi) per square millimeter (55.5 MBq (1500 uCi) per square inch).
4. Expiration Date - This certificate expires August 31, 1997.

This certificate is issued in accordance with paragraph 803 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the July 9, 1992 petition by NRD Inc., Grand Island, NY, and in consideration of other information on file in this Office.

Certified by:


George A. Brown, Chief
Radioactive Materials Branch
Office of Hazardous Materials
Technology

AUG 14 1992
(DATE)

Revision 5 - issued to extend expiration date.

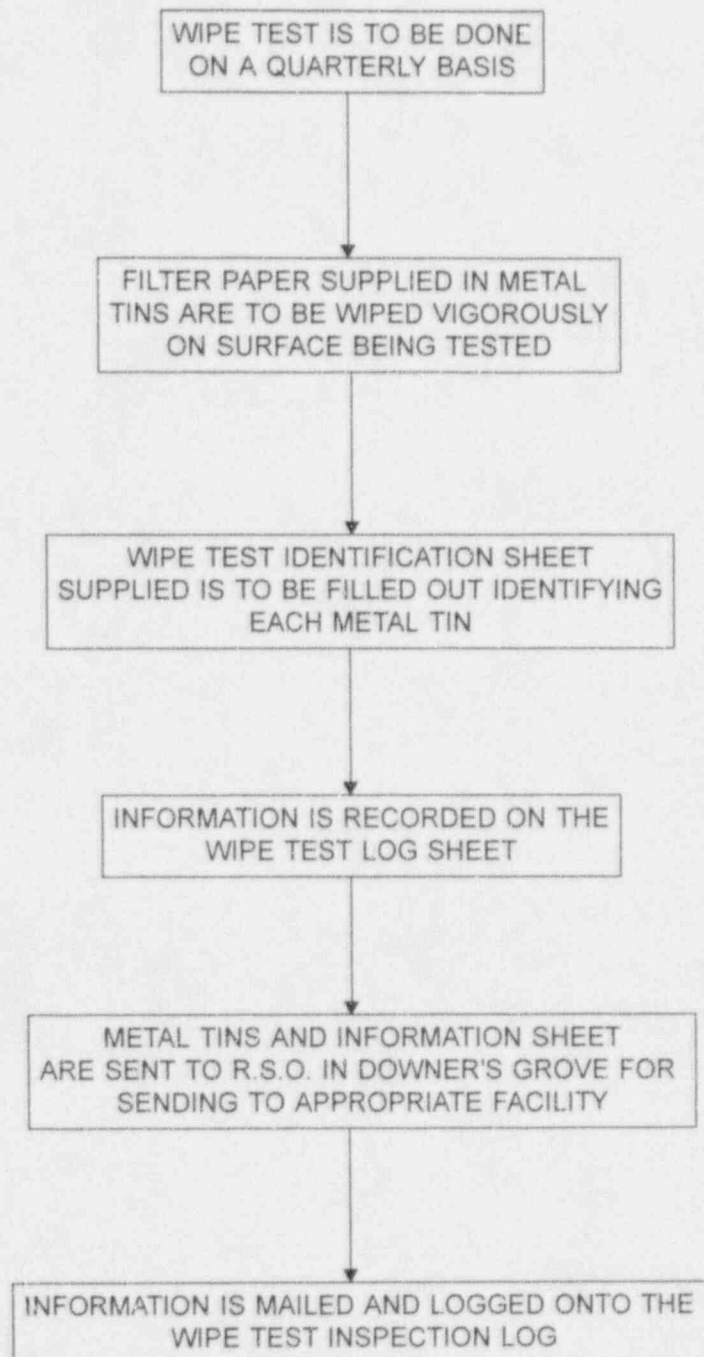
1 "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1973 Revised Edition, as amended," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

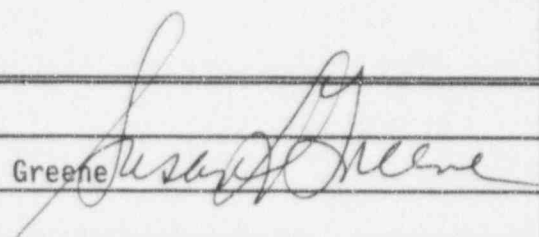
2 Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

Received Time Sep. 29. 2:18PM

TOTAL P.02

WIPE TEST INFORMATION



TELEPHONE LOG	
CONTACT: Tom Barakat	DATE: 9/11/95
TELEPHONE NO.:	ORGANIZATION: Seatt
TYPE: Visit Conference Telephone: XX In Out	
SUBJECT: license renewal application	
<p>SUMMARY: Mr. Barakat had a few questions about the 8/15/95 deficiency letter and just exactly what we wanted and what he needed to do. He also requested a 30 day extension on the date the info is to be submitted to NRC.</p> <p>I addressed his concerns (there isn't as much to do as he thought!) and he hung up relieved.</p>	
SUMMARY CONTINUED:	
ACTION REQUIRED: Extension granted	
PERSON DOCUMENTING CONVERSATION: Susan L. Greene 	
DISTRIBUTION:	

specifications provided to the NRC; the detectors and their packages are free of radioactive contamination and the detectors are not leaking radioactive material. For your information and help in reviewing your QA/QC program, I have enclosed a copy of Regulatory Guide 6.9, "Establishing Quality Assurance Programs for the Manufacture and Distribution of Sealed Sources and Devices Containing Byproduct Material," issued February 1995. This guidance provides the elements of a QA/QC program that have been deemed essential for an acceptable program. Specifically, Appendix C of this document contains the "QC Program Specifications for the Manufacture and Distribution of Smoke Detectors." You may follow these specifications or, if desired, you may submit an equivalent alternate program.

Please describe your QA/QC program showing how it meets the requirements as outlined in the above document, "QC Program Specifications for the Manufacture and Distribution of Smoke Detectors."

7. Please confirm the points of distribution as 2820 Thatcher Road, Downers Grove, Illinois, and 28 Leigh Fisher Boulevard, Butterfield Trail Industrial Park, El Paso, Texas.
8. Please provide a copy of your current State of Illinois and Texas possession licenses.

My review of your request will continue upon receipt of the above information. Please reply within 30 days, in duplicate, and reference Mail Control No. 021679. If you have any questions, please feel free to contact me at (301) 415-7843.

Sincerely,

Original signed by:

DISTRIBUTION:

License File 12-15537-02E
NMSS r/f
IMNS Central File
SGreene
PSantiago
LWCamper

Susan L. Greene
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety
Office of Nuclear Material Safety
and Safeguards

Docket No. 030-11357

Enclosure: Regulatory Guide 6.9

DOCUMENT NAME: G:\SEATT.SLG

C = COVER

E = COVER & ENCLOSURE

N = NO COPY

	IMAB:NMSS C			
NAME	SGreene;cjb			
DATE	08/15/95			

OFFICIAL RECORD COPY

August 15, 1995

Seatt Corporation
ATTN: Mr. Tom Barakat
Radiation Safety Officer
2820 Thatcher Road
Downers Grove, Illinois 60515-4040

Dear Mr. Barakat:

This is in reference to your application dated September 26, 1994, requesting renewal of NRC License No. 12-15537-02E.

In reviewing your request, I noted that your license references letters and applications dating back to 1975, and the information is often disjointed and confusing. Therefore, in order to create an up-to-date license file, a complete application concerning your current distribution activities and products must be submitted for review.

Please review your distribution program and previous application, and submit a complete application concerning your current distribution activities. This application will supersede all previously submitted information. Please note that it is appropriate to resubmit or reference previously submitted information as long as it pertains to your current distribution activities. Your application should only include information that pertains to the products you distribute.

During my review, it was also discovered that the models listed on your registration certificate differ from those authorized in your license. Please advise me of any models to be deleted, and verify all models that are currently being distributed.

Note: All basic models may be registered as a "series" based on such differences as size, construction, and source activity. For example, the Series 200 is larger in size than the basic Series 100, and the Series 300 has a larger source activity than either the 100 or 200.

Models contained within each series are the same basic model with "cosmetic" differences, such as lights and timers. For example, a basic model designated as the Series 100 is registered to include the 100A model with a three second timer, and the 100B with a five second timer.

As part of your submission, you should list all models that are part of a series and all models that differ in size, construction, and source activity as different basic models or series. Any models that are not listed on the

registration sheet (unless they are part of a series that has already been reviewed and registered) may require a device review. This review and amendment to your registration sheet would be for administrative purposes; therefore, no fee would be required for this review and amendment.

The product information to be submitted is outlined in Sections 32.26, 32.27, and 32.29 of 10 CFR Part 32. Your submission should include, but is not limited to, the following specific information:

1. Provide detailed engineering drawings of each smoke detection device model or series. The drawings should clearly show all dimensions and tolerances, describe or identify the construction materials, and provide the details of the source mounting. Also describe the differences between the different models, and include the varying activities.

Two or more models may be the same basic model with different model numbers for different distributors. In this case, submit only one set of drawings and indicate the different models concerned. If you plan to register any series, only one set of drawings is needed for each "basic" series with a list of the differences between the models in that series (e.g., light, whistle, etc.).

2. Confirm that you are still using Amersham and NRD foil sources.
3. Pursuant to §32.26(b), provide details of construction, design, shielding, and safety features.
4. Paragraph 32.29(b) requires that each detector contain a legible, durable, and readily visible label on the external surface of the detector. The label must contain the statement: "CONTAINS RADIOACTIVE MATERIAL," name of byproduct material, quantity of activity, and identification of the person authorized under Section 32.26 to transfer the detector.

Provide an example of the label meeting the above criteria and indicate the location of the label on the device. It is not necessary to provide a label for each model of detector; one basic, generic example showing how you meet the regulations in Section 32.29 will be sufficient.

5. While it is not necessary that you provide a sample of the smoke detector(s), you should submit an example of the typical or generic point-of-sale package showing how you meet the requirements as listed in §32.29(b)(3).
6. Paragraph 32.26(b)(15) requires that the quality control procedures to be followed in the fabrication of the product, and the quality control standards the product will be required to meet, be submitted for review. Your QA/QC program should ensure that the devices have been manufactured and labelled in accordance with the information, drawings, and

September 30, 1994

License No. 12-15537-02E
Docket No. 030-11357
Control No. 021679

Seatt Corporation
ATTN: Mr. Tom Barakat
Radiation Safety Officer
2820 Thatcher Road
Downers Grove, Illinois 60515-4040

Dear Mr. Barakat:

SUBJECT: LICENSE RENEWAL APPLICATION

This is to acknowledge receipt of your application for renewal of the materials license identified above. Your application is deemed timely filed and, accordingly, the license will not expire until final action has been taken by this office.

Any correspondence regarding the renewal application should reference the control number specified and your license number.

Sincerely,

Original signed by:

DISTRIBUTION:

License File 12-15537-02E
NMSS r/f
IMNS Central File
CBoyle
JPiccone
JGlenn

Carolyn Boyle, Licensing Assistant
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety
Office of Nuclear Material Safety
and Safeguards

OFC	IMAB:NMSS	C						
NAME	CBoyle:cjb							
DATE	09/24/94							

C = COVER

E = COVER & ENCLOSURE

N = NO COPY

OFFICIAL RECORD COPY

C:\32-DEFMT.CB

030-11357

Seatt
CORPORATION

2820 Thatcher Road
Downers Grove, Illinois
U.S.A. 60515-4040
PHONE 708-963-1580
FAX 708-960-9302

September 26, 1994

Division of Industrial and Medical Nuclear Safety
Office of Nuclear Materials Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

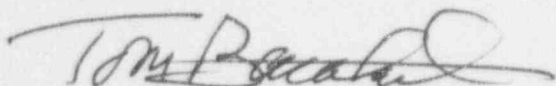
SUBJECT: License No. 12-15537-2E

Dear Sir/Madam:

Enclosed is our application for license renewal and a renewal fee in the amount of \$2300.00. Also enclosed is a complete product transfer/distribution report covering the period of September 1, 1989 through August 31, 1994.

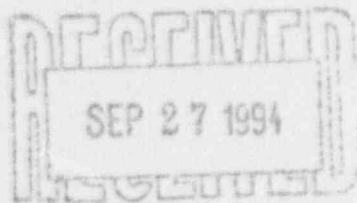
Please do not hesitate to contact me if you need any additional information.

Sincerely,



Tom Barakat
Radiation Safety Officer

cc: U.S. N.R.C. Region III
Glen Ellyn, IL



License Fee Information
on Next Page

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 9 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. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0120), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

APPLICATION FOR MATERIAL LICENSE

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:

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION II
101 MARIETTA STREET, NW, SUITE 2900
ATLANTA, GA 30323-0199

IF YOU ARE LOCATED IN:

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

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

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW
MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING,
SEND APPLICATIONS TO:

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

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S.
TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

RADIOACTIVE MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION V
1450 MARIA LANE
WALNUT CREEK, CA 94596-5368

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 12-15537-02E

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip code)

Seatt Corporation
2820 Thatcher Road
Downers Grove, IL 60515

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Tom Barakat

TELEPHONE NUMBER
(708)-963-1580

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. LICENSEE FEES (See 10 CFR 170 and Section 170.31) FEE CATEGORY: _____ AMOUNT ENCLOSED \$ _____
13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT. 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 52 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

Tom Barakat, Quality Assurance Manager

SIGNATURE

Tom Barakat

DATE

9/26/94

FOR NRC USE ONLY

TYPE OF FEE REN	FEE LOG HQS Sep 2	FEE CATEGORY 3H	AMOUNT RECEIVED \$2300	CHECK NUMBER 79055	COMMENTS
APPROVED BY L Mitchell				DATE 9/30/94	021679

NRC PRODUCT DISTRIBUTION REPORT FOR 09/01/89 TO 08/31/94

	FX1218	FXB-1A	MODEL A	FXC-1A	MODEL B	FXW-1A	MODEL C	FX-1014	MODEL D	INTL	MODEL E	STATE TOTAL	AM241 UCI TTL
AK	10095	120	2859	363	3975	12126	392	0	0	0	168	30098	27088.2
AL	10564	-21	11070	86238	710	66455	60	-29	12	0	542	175601	158040.9
AR	15514	17	6797	923	12392	15791	490	0	324	0	2257	54505	49054.5
AZ	121439	-5	27528	31470	7846	160221	854	-3	756	0	3041	353147	317832.3
CA	600207	7921	594103	50321	40200	929185	49937	-55	3237	131	30831	2306018	2075416
CO	112596	81	22919	216	2833	103096	2772	14	0	0	777	245304	220773.6
CT	207004	861	63709	0	21499	19317	4893	0	471	0	3970	321724	289551.6
DC	29671	370	17499	10188	1497	28404	24	-1	0	0	30	87682	78913.8
DE	10668	139	1735	288	2804	31111	13	1	0	0	13	46772	42094.8
FL	295256	-16	148748	116012	20974	885924	374	-70	204	0	3690	1471096	1323986
GA	132104	-25	193759	178637	15063	281265	2834	-84	408	0	15283	819244	737319.6
HI	5027	54	140	1416	3060	22783	132	0	0	0	28	32640	29376
IA	30395	295	33827	138	1904	27412	1309	8	24	0	212	95524	85971.6
ID	72828	0	35571	-1	1887	54442	12	0	0	0	12	164751	148275.9
IL	10091	253424	42146	55341	308009	32045	3251	17599	487	36412	1670	760475	684427.5
IN	15927	0	162945	110652	9720	193573	2706	-11	1259	0	3042	499813	449831.7
KS	24150	862	36086	1050	354	10818	380	-3	0	0	561	74258	66832.2
KY	16015	120	7295	240	245	58294	577	-1	255	0	627	84667	76200.3
LA	6519	992	27100	3924	3759	50918	395	24	0	0	1116	94747	85272.3
MA	52261	1153	46572	502	21276	400676	8389	0	896	0	7296	539021	485118.9
MD	319859	454	22840	51855	15236	142143	92	-6	25	0	2766	555264	499737.6
ME	8616	6	3044	72	841	47255	68	0	0	0	19	59921	53928.9
MI	79120	494	92471	667	4458	339614	7192	17	20710	0	16980	563723	507350.7
MN	21102	-103	46538	2067	4266	304084	3038	-20	773	0	1301	383046	344741.4
MO	64295	8515	173812	1949	3475	152930	18590	-135	5590	202	13708	442931	398637.9
MS	7189	-4	16727	3228	2026	20132	251	0	0	0	333	49882	44893.8
MT	15989	-3	2301	432	2627	24287	72	0	60	0	238	48003	41402.7
NC	22303	14	31810	220448	20422	362851	17	-4	38	0	1733	659791	593811.9
ND	13842	0	3751	34	50	24417	296	0	0	0	0	42390	38151
NE	5701	0	9907	646	10884	47405	585	0	36	0	691	75855	68269.5
NH	15546	378	6424	684	1047	70494	313	0	0	0	380	95266	85739.4
NJ	390521	1920	66574	4862	44358	203746	2469	-21	83	0	4783	719295	647365.5
NM	14679	3	1966	1077	668	16021	24	15	0	0	108	34561	31104.9
NV	182760	67	8137	10685	4620	75846	660	2	0	0	475	283252	254926.8
NY	101424	4185	236229	16897	44386	283516	11292	1216	1172	1000	9846	711163	640046.7
OH	83004	1153	195487	4083	31073	138786	24891	-43	12640	0	28122	519196	46773.4
OK	2473	48	15480	2100	514	7289	300	0	0	0	731	28935	25041.5
OR	240863	237	105308	58948	6598	242334	6162	-4	10885	0	11739	683070	614763
PA	160211	1845	118960	53523	16097	200513	7286	13	856	217	8715	568236	511412.4
PR	4429	0	12078	2640	528	18128	0	0	0	0	7	37810	34029
RI	85	4869	19	3569	48682	227	0	120	0	46	109	57726	51953.4
SC	18467	-25	9919	1244	2501	22466	132	-19	48	0	156	54889	49400.1
SD	11566	-1	900	-276	885	16453	36	2	12	0	66	29643	26678.7
TN	56564	213	88977	131418	3094	163928	3096	3	2369	0	3500	453162	407845.8
TX	233428	311	254531	174036	19838	215533	5487	2414	289	0	9204	915071	823563.9
UT	188163	-7	11620	-117	5182	41887	610	0	108	0	565	248011	223209.9
VA	109907	16	34911	5422	5944	95045	1860	-5	0	0	598	253698	228328.2
VT	3108	35	336	12	888	10300	0	0	0	0	0	14679	13211.1
WA	229219	140	55816	394	13564	198817	5381	-2	282	0	3307	504718	454246.2
WI	14567	5360	69868	20012	23652	206584	3257	-39	1069	0	3003	347333	312599.7
WV	3623	1	4296	1676	399	4906	239	-121	149	0	221	15389	13850.1
WY	11214	0	142	0	581	3004	36	0	0	0	36	15013	13511.7
TOTALS	4412168	296463	3183587	1422203	819391	7083597	183687	20772	65527	38008	200606	17726009	15953408

FXC-1A - FXC-1A, H, 421, 422, 431

FXB-1A - FXB-1A, CD-1, RS-1, FX830, CD-24, CD-3, CD-5, FX-890, CD-14, CD-35, CD-45, CD-23, CD-HI, CD-M1

FX-1014 - FX-1014

FX1218 - FX1218, CD-32

MODEL A - MODEL A, 0120, 0121, 0122, 0123, 0126, 0129, 130, 131, 461, 463, 471

MODEL B - MODEL B, 0150, 0151, 0152, 152, 153, 159, 160, 161, 462, 464

MODEL C - MODEL C, 0170, 0178, 173, 174, 180, 182, 465

MODEL D - MODEL D, 0171, 0179, 181, 183, 185

MODEL E - MODEL E, 0190, 0191, 0192, 193, 195, 196, 199, 469

B&D, JAMESON, SAFETY 1ST, FUNTECH, KIDDE, AND NEWTON

May 2, 1997

Tom Barrakat
Coleman Safety & Security Products, Inc.
2820 Thatcher Road
Downers Grove, Illinois 60515

Dear Mr. Barakat:

This letter is in reference to your recent conversation with Ms. Susan Greene concerning the listing of previous model smoke detectors on Coleman's registration certificate No. NR-0545-D-101-E amended December 20, 1996. We have corrected the certificate, as discussed, and are issuing an amended copy of the certificate (copy enclosed). A copy of the amended certificate has been forwarded to the appropriate reviewer for licensing action.

Please be advised that you must manufacture and distribute the product in accordance with the statements and representations contained in your application, with enclosures thereto, and the information set out in your registration certificate. As a general rule, you must request and obtain an amendment to the certificate before you make changes or modifications to the information submitted to obtain the certificate.

Please read over the registration certificate in its entirety and notify us immediately of any errors or omissions. You are obligated to notify us promptly in writing should you decide to no longer manufacture or offer service support for the product.

Please be aware that, as a holder of an NRC registration, you may be subject to the NRC's licensing fees in accordance with 10 CFR Part 170, and annual fees in accordance with 10 CFR Part 171. If you have any questions concerning the fee requirements, please contact the License Fee and Debt Collection Branch at (301) 415-6096.

If you have any questions, please contact me at (301) 415-5847 or Mr. Steven Baggett at (301) 415-7273.

Sincerely,

151
Douglas A. Broaddus, Mechanical Engineer
Sealed Source Safety Section
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

Enclosure: As stated

cc w/encl: SKimberley, LFDCB
SGreene, IMAB

Distribution:

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SSD-95-101

NE01

SSD File # NR-0545-D-101-E

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PDR RC *

SSD

PDR

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

NO.: NR-0545-D-101-E

DATE: May 2, 1997

PAGE 1 OF 3

DEVICE TYPE: Ionization Smoke Detector

MODEL: 9.0 V Series, 120 V/AC Series

MANUFACTURER/DISTRIBUTOR:

Coleman Safety and Security
Products, Inc.
(Formerly Seatt Corporation)
2820 Thatcher Road
Downers Grove, IL 60515-1580

SEALED SOURCE MODEL DESIGNATION:

Amersham Model AMM-1001H
NRD Model A-001

ISOTOPE:

Americium-241

MAXIMUM ACTIVITY:

1.0 microcurie (37 kBq)

LEAK TEST FREQUENCY:

Not Required

PRINCIPAL USE: (P) Ion Generator, Smoke Detector

CUSTOM DEVICE: _____ YES _____ X _____ NO

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

NO.: NR-0545-D-101-E

DATE: May 2, 1997

PAGE 2 OF 3

DEVICE TYPE: Ionization Smoke Detector

DESCRIPTION:

The Models 9.0 V and 120 V/AC Series devices are ionization type smoke detectors containing a maximum of 1.0 μCi (37 kBq) of Am-241. Each of the series use the same ionization chamber. The models in the series are essentially similar in design and construction with size and cosmetic differences being the primary variations between the series. The models in the 9.0 V series are powered by a 9 volt DC battery while the models in the 120 V/AC series are powered by a 120 AC line voltage. Models in the 120 V/AC series can come equipped with or without a battery back-up.

The external dimensions of the models within the series range from 4" (101.6 mm) to 5" (127 mm) in circumference and 1" (25.4 mm) to 1.5" (38.1 mm) in height. The circuit board is common between all models with exception of added space for additional features, i.e., escape light, alarm silence, etc. The chambers all incorporate either a NRD or Amersham source with maximum activity of 1.0 mCi (37 kBq). Although these devices were originally approved for a maximum activity of 1.3 μCi (48.1 kBq), Coleman Safety and Security Products, Inc. (formerly Seatt Corporation) never manufactured or intends to manufacture at an activity greater than 1.0 μCi (37 kBq). Coleman Safety and Security Products, Inc. distributes the smoke detectors under various marketing names. However, the labels will bear Coleman's license number.

Coleman Safety and Security Products, Inc. previously distributed these detectors under numerous separate model numbers. For marketing purposes, Coleman will now distribute the detectors under the 9.0 V and 120 V/AC Series designations.

The elimination of the multiple models numbers does not imply any changes to the ion chamber or design.

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

NO.: NR-0545-D-101-E

DATE: May 2, 1997

PAGE 3 OF 3

DEVICE TYPE: Ionization Smoke Detector

REFERENCES:

The following supporting documents for the Model 9.0 V and 120 V/AC Series smoke detector devices are hereby incorporated by reference and are made a part of this registry document.

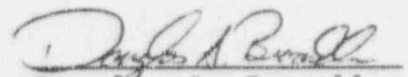
- Seatt Corporation's letters dated October 12, 1995, November 22, 1995, May 14, 1996, and November 25, 1996, with enclosures thereto.
- Seatt Corporation's facsimiles dated June 7, 1996, June 10, 1996, June 11, 1996, June 13, 1996, June 14, 1996, and August 29, 1996, with enclosures thereto.

ISSUING AGENCY:

U.S. Nuclear Regulatory Commission

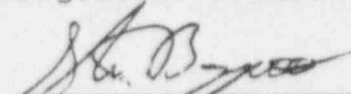
Date: May 2, 1997

Reviewer:


Douglas A. Broadus

Date: May 2, 1997

Concurrence:


Steven L. Baggett