

Br. 3

Licensing Assistant Section
Nuclear Materials Safety Branch
U. S. Nuclear Regulatory Commission, Region 1
475 Allendale Road
King of Prussia, PA 19406-1415

Date: 28 December 2011

03030598

Subject: Unrestricted Release of AES Thames Facility and Termination of License 06-28216-01

Dear Sir or Madame,

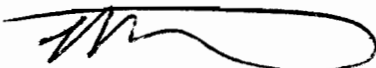
This is a request to terminate the above-referenced license. AES Thames LLC has ceased operations. All eighteen (18) sealed source gauges (installed in 1989) were removed by a licensed contractor¹ on December 15 and 16, 2011 and were packaged, marked, labeled, manifested and shipped by truck (YRC, formerly Yellow Freight) on Tuesday December 20, 2011. They are scheduled to arrive at Thermo Fisher Scientific, 1410 Gillingham Lane, Sugar Land, Texas 77478 on or about December 29, 2011. We will notify you when we receive confirmation of delivery.

Sealed source leak tests were performed on all of the gauges prior to shipment. Copies of these test results are attached to this letter. No leaking sources have ever been found throughout our operating history.

Although not required, our consultant performed a gamma radiation survey in the former locations of the nuclear gauges and found no radiation in excess of background levels.

As mentioned above, AES Thames is out of business and no employees will be on site after December 31, 2011. After December 31st, 2011, I may be reached by personal email (strahwk@yahoo.com) or cell (860 334 3824).

Sincerely,



R. Steve Hawkins, RSO

REC'D IN LAT_ 1/3/2012

¹ Radiation Safety Associates, Inc., 19 Pendleton Drive, Hebron, CT 06248, Attn: K. Paul Steinmeyer, RSO, 860-228-0487 or cell 860-428-3088.



141 Depot Road • Uncasville, Connecticut 06382 • (860) 848-9223 • Fax (860) 848-3814

576692
NMSS/RGN1 MATERIALS-002

CERTIFICATE OF DISPOSITION OF MATERIALS

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), 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.

LICENSEE NAME AND ADDRESS

AES Thames, LLC
141 Depot Rd.
Uncasville, CT 06382

LICENSE NUMBER

06-28216-01

DOCKET NUMBER

030-30598

LICENSE EXPIRATION DATE

July 31, 2014

A. LICENSE STATUS (Check the appropriate box)

- ☐ This license has expired. ☒ This license has not yet expired; please terminate it.

B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

- ☐ 1. No radioactive materials have ever been procured or possessed by the licensee under this license.
- ☒ 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner:
- ☒ a. Transfer of radioactive materials to the licensee listed below:
Thermo Fisher Scientific 1410 Gillingham Lane, Sugar Land, Texas 77478
- ☐ b. Disposal of radioactive materials:
- ☐ 1. Directly by the licensee:
- ☐ 2. By licensed disposal site:
- ☐ 3. By waste contractor:
- c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

C. SURVEYS PERFORMED AND REPORTED

- ☒ 1. A radiation survey was conducted by the licensee. The survey confirms:
- ☒ a. the absence of licensed radioactive materials
- ☐ b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
- ☐ 2. A copy of the radiation survey results:
- ☐ a. is attached; or ☐ b. is not attached (Provide explanation); or ☐ c. was forwarded to NRC on: _____ Date _____
- ☒ 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and
- ☒ a. The results of the latest leak test are attached; and/or ☒ b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS
R. Steve Hawkins	RSO	860-334-3824	Steve.Hawkins@AES.com

Mail all future correspondence regarding this license to:

R. Steve Hawkins, 86 Forsyth Rd, Oakdale, CT 06370

C. CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE

R. Steve Hawkins, RSO, AES Thames LLC

SIGNATURE



DATE

12-28-11

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 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.

BILL OF LADING

CONSIGNEE: Thermo Fisher Scientific 1410 Gillingham Sugar Land, Texas 77478 Attn: Marvin D. Smith	SHIPPER: AES Thames, LLC 141 Depot Rd Uncasville, CT 06382
--	--

NATURE AND QUANTITY OF CONTENTS		PACKAGE			
PROPER SHIPPING NAME	FORM	ACTIVITY	CATEGORY	TRANSPORT INDEX	CLASS
HAZARDOUS MATERIALS DESCRIPTIONS AND PROPER SHIPPING NAME (FORM 49 CFR 172.101 HAZARDOUS MATERIALS TABLE)	CHEMICAL FORM AND PHYSICAL STATE (GAS/ LIQUID/SOLID) OR SPECIAL FORM	NUMBER OF BECQUERELS AND Curies	I - WHITE OR II - YELLOW OR III - YELLOW LABEL	FOR YELLOW LABEL CATEGORIES ONLY	HAZARD CLASS
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	0.5 GBq	Yellow II	0.4	7
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	0.5 GBq	Yellow II	0.4	7
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	0.5 GBq	Yellow II	0.4	7
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	0.5 GBq	Yellow II	0.4	7
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	2.2 GBq	Yellow II	0.9	7
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	2.2 GBq	Yellow II	0.9	7

Class 7 Radioactive Material

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

RMA #: 31923

REMARKS:

Package #1 of 3

This package (skid) contains six (6) nuclear density gauges, bolted to a pallet and covered by a plywood overpack.



12/20/11

AUTHORIZED SIGNATURE

DATE

AES Thames, LLC
 141 Depot Rd
 Uncasville, CT 06382
 Business phone: 860 848 9223 x123

Emergency Contact Phone: 860-428-3088
 K. Paul Steinmeyer, Health Physicist

BILL OF LADING

CONSIGNEE:
Thermo Fisher Scientific
1410 Gillingham
Sugar Land, Texas 77478

Attn: Marvin D. Smith

SHIPPER:
AES Thames, LLC
141 Depot Rd
Uncasville, CT 06382

NATURE AND QUANTITY OF CONTENTS

PACKAGE

PROPER SHIPPING NAME	FORM	ACTIVITY	CATEGORY	TRANSPORT INDEX	CLASS
HAZARDOUS MATERIALS DESCRIPTIONS AND PROPER SHIPPING NAME (FORM 49 CFR 172.101 HAZARDOUS MATERIALS TABLE)	CHEMICAL FORM AND PHYSICAL STATE (GAS/ LIQUID/SOLID) OR SPECIAL FORM	NUMBER OF BECQUERELS AND CURIES	I - WHITE OR II - YELLOW OR III-YELLOW LABEL	FOR YELLOW LABEL CATEGORIES ONLY	HAZARD CLASS
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	0.5 GBq	Yellow II	0.4	7
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	0.5 GBq	Yellow II	0.4	7
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	0.5 GBq	Yellow II	0.4	7
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	2.2 GBq	Yellow II	0.9	7
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	2.2 GBq	Yellow II	0.9	7
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	2.2 GBq	Yellow II	0.9	7

Class 7 Radioactive Material

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

RMA #: 31923

REMARKS:

Package #2 of 3

This package (skid) contains six (6) nuclear density gauges, bolted to a pallet and covered by a plywood overpack.



12/20/11

AUTHORIZED SIGNATURE

DATE

AES Thames, LLC
141 Depot Rd
Uncasville, CT 06382
Business phone: 860 848 9223 x123

Emergency Contact Phone: 860-428-3088
K. Paul Steinmeyer, Health Physicist

BILL OF LADING

CONSIGNEE:
Thermo Fisher Scientific
1410 Gillingham
Sugar Land, Texas 77478

Attn: Marvin D. Smith

SHIPPER:
AES Thames, LLC
141 Depot Rd
Uncasville, CT 06382

NATURE AND QUANTITY OF CONTENTS

PACKAGE

PROPER SHIPPING NAME	FORM	ACTIVITY	CATEGORY	TRANSPORT INDEX	CLASS
HAZARDOUS MATERIALS DESCRIPTIONS AND PROPER SHIPPING NAME (FORM 49 CFR 172.101 HAZARDOUS MATERIALS TABLE)	CHEMICAL FORM AND PHYSICAL STATE (GAS/ LIQUID/SOLID) OR SPECIAL FORM	NUMBER OF BECQUERELS AND Curies	I - WHITE OR II - YELLOW OR III-YELLOW LABEL	FOR YELLOW LABEL CATEGORIES ONLY	HAZARD CLASS
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	0.5 GBq	Yellow II	0.4	7
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	0.5 GBq	Yellow II	0.4	7
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	0.5 GBq	Yellow II	0.4	7
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	2.2 GBq	Yellow II	0.9	7
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	2.2 GBq	Yellow II	0.9	7
Radioactive material, Type A package, non-special form, non- fissile, UN2915	Cs-137 solid salt, sealed source	2.2 GBq	Yellow II	0.9	7

Class 7 Radioactive Material

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

RMA #: 31923

REMARKS:

Package #3 of 3

This package (skid) contains six (6) nuclear density gauges, bolted to a pallet and covered by a plywood overpack.



12/20/11

AUTHORIZED SIGNATURE

DATE

AES Thames, LLC
141 Depot Rd
Uncasville, CT 06382
Business phone: 860 848 9223 x123

Emergency Contact Phone: 860-428-3088
K. Paul Steinmeyer, Health Physicist

On 12/28/2011 2:31 PM, depotrepair.process.us wrote:
Hello K. Paul,

Thank you for doing business with Thermo Fisher Scientific. Your Disposal RMA #31923 has been received and will be handled as soon as possible.

Our goal is to process the sources and issue your Transfer of Ownership documents within 28 days of receipt.

If you would like any of your shipping material returned back to you, please respond immediately. If not then it will be disposed along with your sources. Also please provide the address and attention to information as to where you would like for your Transfer of Ownership document sent to otherwise it will be sent to the ship to address on the purchase order.

If your request requires "Immediate attention please CALL the Thermo Fisher Scientific License department at:

1-800-437-7979

How Was My Service Today? (Please click here to send feedback)

Kind Regards,

John Hayse

Service Support Specialist

Thermo Fisher Scientific

1410 Gillingham Lane

Sugar Land, TX. 77478

Phone: 800-437-7979

Fax: (713) 272-2273

John.Hayse@Thermofisher.com

www.thermoscientific.com



RSA Laboratories
A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit

Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5200
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B1266
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 20 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.

SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of $< 0.005 \mu\text{Ci}$ of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μCi)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	$< 3.44\text{E-}06$

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011
	MDA: 3.44E-06 μCi

Signature:

RSA ID #: **30926**

Original to customer
Copy to RSA file

Rev. 1/16/03



RSA Laboratories
A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit

Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5197
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B7021
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 100 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.


SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of $< 0.005 \mu\text{Ci}$ of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μCi)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	$<3.44\text{E-}06$

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011
	MDA: $3.44\text{E-}06 \mu\text{Ci}$

Signature: 

RSA ID #: 30909

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RSA Laboratories
A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5197
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B7022
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 100 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.


SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of $< 0.005 \mu\text{Ci}$ of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μCi)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	$<3.44\text{E-}06$

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011 MDA: $3.44\text{E-}06 \mu\text{Ci}$
--	--

Signature: 

RSA ID #: 30910

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RSA Laboratories
A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit

Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5197
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B7023
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 100 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.

SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of < 0.005 μCi of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μCi)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	<3.44E-06

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011
	MDA: 3.44E-06 μCi

Signature:

RSA ID #: 30911

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Rev. 1/16/03



RSA Laboratories
A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit

Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5197
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B7024
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 100 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.

SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of $< 0.005 \mu\text{Ci}$ of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μCi)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	$<3.44\text{E-}06$

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011
	MDA: 3.44E-06 μCi

Signature: _____

RSA ID #: **30912**

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A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit

Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5197
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B7025
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 100 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.


SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of $< 0.005 \mu\text{Ci}$ of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μCi)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	$<3.44\text{E-}06$

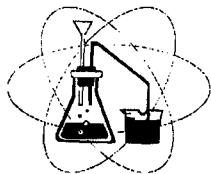
Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011 MDA: $3.44\text{E-}06 \mu\text{Ci}$
--	--

Signature: 

RSA ID #: 30913

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Rev. 1/16/03



RSA Laboratories
A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit

Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5197
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B7026
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 100 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.

SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of $< 0.005 \mu\text{Ci}$ of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μCi)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	$<3.44\text{E-}06$

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011
	MDA: $3.44\text{E-}06 \mu\text{Ci}$

Signature:

RSA ID # : 30914

Original to customer
Copy to RSA file

Rev. 1/16/03



RSA Laboratories
A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit

Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5197
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B7027
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 100 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.

SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of < 0.005 μ Ci of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μ Ci)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	<3.44E-06

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011 MDA: 3.44E-06 μCi
--	--

Signature:

RSA ID #: 30915

Original to customer
Copy to RSA file

Rev. 1/16/03



RSA Laboratories
A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit

Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5197
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B7028
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 100 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.

SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of < 0.005 μ Ci of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μ Ci)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	<3.44E-06

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011
	MDA: 3.44E-06 μCi

Signature:

RSA ID #: 30916

Original to customer
Copy to RSA file

Rev. 1/16/03



RSA Laboratories
A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit

Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5200
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B1257
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 20 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.

SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of $< 0.005 \mu\text{Ci}$ of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μCi)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	$<3.44\text{E-}06$

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011
	MDA: $3.44\text{E-}06 \mu\text{Ci}$

Signature: _____

RSA ID #: 30917

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A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit

Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5200
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B1258
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 20 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.

SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of < 0.005 μCi of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μCi)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	<3.44E-06

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011 MDA: 3.44E-06 μCi
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Signature:

RSA ID #: 30918

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A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit

Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5200
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B1259
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 20 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.

SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of < 0.005 μCi of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μCi)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	<3.44E-06

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011
	MDA: 3.44E-06 μCi

Signature:

RSA ID #: 30919

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RSA Laboratories
A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit

Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5200
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B1260
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 20 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.

SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of $< 0.005 \mu\text{Ci}$ of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μCi)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	$<3.44\text{E-}06$

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011
	MDA: $3.44\text{E-}06 \mu\text{Ci}$

Signature: _____

RSA ID #: **30920**

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A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit

Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5200
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B1261
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 20 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.


SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of $< 0.005 \mu\text{Ci}$ of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μCi)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	$< 3.44\text{E-}06$

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011
	MDA: $3.44\text{E-}06 \mu\text{Ci}$

Signature: 

RSA ID #: **30921**

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A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit

Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5200
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B1262
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 20 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.

SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of
< 0.005 μ Ci of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μ Ci)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	<3.44E-06

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011
	MDA: 3.44E-06 μCi

Signature:

RSA ID #: 30922

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A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5200
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B1263
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 20 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.

SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of < 0.005 μCi of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μCi)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	<3.44E-06

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011 MDA: 3.44E-06 μCi
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Signature:

RSA ID # : 30923

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A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit

Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5200
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B1264
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 20 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.

SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of $< 0.005 \mu\text{Ci}$ of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μCi)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	$<3.44\text{E-}06$

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011
	MDA: $3.44\text{E-}06 \mu\text{Ci}$

Signature:

RSA ID #: 30924

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RSA Laboratories
A Division of Radiation Safety Associates, Inc.

W-100 Leak Test Kit

Sample Documentation and Report of Results

Company Name: AES Thames	Radioactive Materials License #: 06-28216-01	
Company Address: 141 Depot Road Uncasville, CT 06382	e-mail address	
Person to be contacted: Steve Hawkins	Phone: (860)848-8223 X123	Fax: (860) 848-0893

For the source being leak tested:

Source Manufacturer: Texas Nuclear	Source Model No.: 5200
Person performing wipe test: Jay R. Dockendorff	Source Serial No.: B1265
How often must this Leak Test be performed? Pre-Shipment	Date Leak Test Performed: 12/14/2011
Source Isotope: Cs-137	Source Quantity: 20 mCi

Analysis performed by:

RSA Laboratories
19 Pendleton Drive, P.O. Box 61
Hebron, CT 06248
NRC License No.: 06-30007-01

If you have any questions about these results, call RSA Laboratories at (860) 228-0721.

SEALED SOURCE LEAK TEST CERTIFICATION

This is to certify that a leak test performed on the above-named source indicates the presence of $< 0.005 \mu\text{Ci}$ of total removable radioactivity.

SAMPLE ANALYSIS RESULTS

Total cpm	Background cpm	Efficiency	dpm	Total Activity (μCi)
Gamma Spec	Gamma Spec	Gamma Spec	Gamma Spec	$<3.44\text{E-}06$

Person Performing the Analysis: Jay R. Dockendorff	Date of Analysis: 12/15/2011
	MDA: $3.44\text{E-}06 \mu\text{Ci}$

Signature:

RSA ID #: 30925

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This is to acknowledge the receipt of your letter application dated

12/28/2011, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Termination (06-28216-01) There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 576692.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.