

NRC FORM 313

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 05/31/2015

(03-2014)  
10 CFR 30, 32, 33, 34  
35, 36, 37, 39, and 40



# APPLICATION FOR MATERIALS LICENSE

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the FOIA, Privacy, and Information Collections 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, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

**INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW. \*AMENDMENTS/RENEWALS THAT INCREASE THE SCOPE OF THE EXISTING LICENSE TO A NEW OR HIGHER FEE CATEGORY WILL REQUIRE A FEE.**

**APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:**

OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS  
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

**ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:**

**IF YOU ARE LOCATED IN:**

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,

**SEND APPLICATIONS TO:**

LICENSING ASSISTANCE TEAM  
DIVISION OF NUCLEAR MATERIALS SAFETY  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PA 19406-2713

**IF YOU ARE LOCATED IN:**

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

MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

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

**SEND APPLICATIONS TO:**

NUCLEAR MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
1600 E. LAMAR BOULEVARD  
ARLINGTON, TX 76011-4511

*Br. 2*

**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 42-35152-01
- C. RENEWAL OF LICENSE NUMBER \_\_\_\_\_

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

Kuraray America, Inc.  
Attn: John Adkins  
8480 DuPont Road  
Washington, WV 26181

*03038745*

**3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED**

Kuraray America, Inc.  
B-226  
8480 DuPont Road  
Washington, WV 26181

**4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION**

John Adkins

BUSINESS TELEPHONE NUMBER  
(304) 210-9179

BUSINESS CELLULAR TELEPHONE NUMBER

BUSINESS EMAIL ADDRESS  
John.Adkins@kuraray.com

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

**5. RADIOACTIVE MATERIAL**

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

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

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

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

**9. FACILITIES AND EQUIPMENT.**

**10. RADIATION SAFETY PROGRAM.**

**11. WASTE MANAGEMENT.**

**12. LICENSE FEES (Fees required only for new applications, with few exceptions\*) (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, 37, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.  
WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

**CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE**

Christopher Shockey  
Area Manager I

**SIGNATURE**

*Chris Shockey*

**DATE**

*7/29/15*

**FOR NRC USE ONLY**

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

To: Licensing Assistance Team  
Division of Nuclear Materials Safety  
U.S. Nuclear Regulatory Commission Region 1  
2100 Renaissance Boulevard, Suite 100  
King of Prussia, PA 19406  
Phone: 1-800-432-1156  
FAX: 610-337-5269

Licensee: Kuraray America Inc.  
8480 DuPont Road  
Washington, WV 26181

**Subject:** Application for **2 (two)** changes of current NRC license No. 42-35152-01  
Pending your approval please make the following revision on our NRC Specific license.

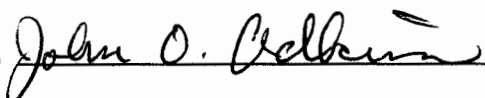
**Change 1.**

- Remove License item 6-A., 7-A., and 8-A. These items were picked up by Chase Environmental Group, (NRC License # 210-605-90).

**Change 2.**

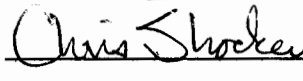
- Change our address from 11500 Bay Area Boulevard Pasadena, TX to 8480 DuPont road Washington WV 26181. This is not a change in location of nuclear material but rather a correction of our address where the nuclear material is actually located as shown in Item 10. Pasadena, TX is our corporate address. This will assist RSO to receive timely NRC communications.

Attachment #1 NRC Form 313  
Attachment #2 NRC license 42-35152-01 copy  
Attachment #3 NRC form 540 Letter of receipt from Veolia ES Alaron, Pennsylvania license LLC PA-0678  
Attachment #4 Shipping papers  
Attachment #5 Current list of nuclear devices at Kuraray America Inc.  
Attachment #6 4 leak tests for the 4 devices sent to Veolia ES Alaron

Sincerely, 

John O. Adkins – RSO  
Kuraray America Inc.  
8480 DuPont Road  
Washington WV 26181  
Phone: (304) 210-9179  
E-Mail [john.adkins@kuraray.com](mailto:john.adkins@kuraray.com)

Approved by: Chris Shockey area manager |



## U.S. NUCLEAR REGULATORY COMMISSION

**MATERIALS LICENSE**

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

1. Kuraray America, Inc.

3. License number 42-35152-01

2. 11500 Bay Area Boulevard  
Pasadena, TX 77507

4. Expiration date June 30, 2024

5. Docket No. 03038745  
Reference No.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. Strontium 90

A. Sealed Sources  
(Amersham/AEA Technology  
Model SIF.D2)A. 100 millicuries total and no  
single source to exceed the  
maximum activity specified in  
the certificate of registration  
issued by the U.S. Nuclear  
Regulatory Commission or an  
Agreement State.

B. Cesium 137

B. Sealed Sources (Ohmart  
Model A2102)B. 540 millicuries total and no  
single source to exceed the  
maximum activity specified in  
the certificate of registration  
issued by the U.S. Nuclear  
Regulatory Commission or an  
Agreement State.

9. Authorized use:

A. and B. In Measurex/Honeywell ASCa, Inc. Model No. 2201 and Ohmart Model No. SH-FX Series fixed gauging devices for controlling industrial processes.

**CONDITIONS**

10. Licensed material may be used or stored only at the licensee's facilities located at 8480 DuPont Road, Washington, West Virginia.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
42-35152-01Docket or Reference Number  
03038745

11. Licensed material shall be used by, or under the supervision of, individuals who have received the training described in application dated May 27, 2014, and have been designated, in writing, by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.
12. The Radiation Safety Officer for this license is John Adkins.
13. A. Sealed sources shall be tested for leakage and/or contamination at the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.
- C. Sealed sources need not be tested if they are in storage and are not being used; however, when they are removed from storage for use or transferred to another person and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- E. Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
- F. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.

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SUPPLEMENTARY SHEET**License Number  
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14. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
15. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee.
16. A. Each gauge shall be tested for the proper operation of the on-off mechanism (shutter) and indicator, if any, at intervals not to exceed 6 months or at such longer intervals as specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or the equivalent regulations of an Agreement State.
- B. Notwithstanding the periodic on-off mechanism (shutter) and indicator test, the requirement does not apply to gauges that are stored, not being used, and have the shutter lock mechanism in a locked position. The gauges exempted from this periodic test shall be tested before use.
17. The following services shall not be performed by the licensee: installation, initial radiation surveys, relocation, removal from service, dismantling, alignment, replacement, disposal of the sealed source and non-routine maintenance or repair of components related to the radiological safety of the gauge (i.e., the sealed source, the source holder, source drive mechanism, on-off mechanism (shutter), shutter control, shielding). These services shall be performed only by persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
18. The licensee may initially mount a gauge if permitted by the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State and under the following conditions:
- A. The gauge must be mounted in accordance with written instructions provided by the manufacturer;
- B. The gauge must be mounted in a location compatible with the "Conditions of Normal Use" and "Limitations and/or Other Considerations of Use" in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State;
- C. The on-off mechanism (shutter) must be locked in the off position, if applicable, or the source must be otherwise fully shielded;
- D. The gauge must be received in good condition (i.e., package was not damaged); and

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
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E. The gauge must not require any modification to fit in the proposed location.

Mounting does not include electrical connection, activation or operation of the gauge. The source must remain fully shielded and the gauge may not be used until it is installed and made operational by a person specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such operations.

19. A. The licensee may maintain, repair, or replace device components that are not related to the radiological safety of the device and that do not result in the potential for any portion of the body to come into contact with the primary beam or in increased radiation levels in accessible areas.
- B. The licensee may not maintain, repair, or replace any of the following device components: the sealed source, the source holder, source drive mechanism, on-off mechanism (shutter), shutter control, or shielding, or any other component related to the radiological safety of the device, except as provided otherwise by specific condition of this license.
20. Prior to initial use and after installation, relocation, dismantling, alignment, or any other activity involving the source or removal of the shielding, the licensee shall assure that a radiological survey is performed to determine radiation levels in accessible areas around, above, and below the gauge with the shutter open. This survey shall be performed only by persons authorized to perform such services by the U.S. Nuclear Regulatory Commission or an Agreement State.
21. The licensee shall operate each device containing licensed material within the manufacturer's specified temperature and environmental limits such that the shielding and shutter mechanism of the source holder are not compromised.
22. The licensee shall assure that the shutter mechanism, for each device containing licensed material, is locked in the closed position during periods when a portion of an individual's body may be subject to the direct radiation beam. The licensee shall review and modify, as appropriate, its lock-out procedures whenever a new device is obtained to incorporate the device manufacturer's recommendations.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
42-35152-01

Docket or Reference Number  
03038745

- 23. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
- 24. Except as specifically provided otherwise in 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 May 27, 2014 (ML14155A053)

For the U.S. Nuclear Regulatory Commission

**Original signed by Michael Reichard**

Date June 23, 2014

By \_\_\_\_\_

Michael Reichard  
 Commercial, Industrial, R&D and Academic Branch  
 Division of Nuclear Materials Safety  
 Region I  
 King of Prussia, Pennsylvania 19406  
 Monday, June 23, 2014 14:30:04

NRC FORM 540 <b>UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER</b>		5. SHIPPER- NAME AND FACILITY Chase Environmental Group, Inc. 11450 Watterson Court Louisville, KY 40299		SHIPPER ID # N/A <input checked="" type="checkbox"/> COLLECTOR <input type="checkbox"/> PROCESSOR		7. NRC FORM 540 AND 540A PAGE 1 <u>1</u> PAGE(S) NRC FORM 541 AND 541A OF <u>1</u> PAGE(S) NRC FORM 542 AND 542A <u>1</u> PAGE(S) ADDITIONAL INFORMATION <u>None</u> PAGE(S)		8. Manifest Number (Use this number on all continuation pages)  AL-2015-208	
1. EMERGENCY TELEPHONE NUMBER (INCLUDE AREA CODE) 800-424-9300		USER PERMIT NUMBER T-KY003-L15		SHIPMENT # N/A		9. CONSIGNEE-NAME AND FACILITY ADDRESS Alaron Corporation 2138 State Route 18 Wampum, PA 16157		Contact Mike Otlowski	
ORGANIZATION Chemtrec		WSDS #: CHEN01RAD		CONTACT Janet Baker		TELEPHONE # 865-250-4593		Telephone Number (Include area code) 724-535-5777	
2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST 3		8. CARRIER NAME AND ADDRESS SJ Transportation Co., Inc. PO Box 169 Woodstown, NJ 08098		EPA ID # NJD071629976		SIGNATURE <i>[Signature]</i>	
4. DOES EPA REGULATION 48 CFR 101-11.6 REQUIRE A MANIFEST TO ACCOMPANY THIS SHIPMENT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		EPA MANIFEST NUMBER NA		CONTACT Kevin Elder		TELEPHONE # 856-769-2741		10. Certification This is to certify that the herein-named materials are acceptable for disposal, 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 and the Commission.	
11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (including proper shipping name, hazard class, UN ID number, and any additional information)		12. DOT LABEL "RADIOACTIVE"		14. PHYSICAL AND CHEMICAL FORM		15. INDIVIDUAL RADIONUCLIDES		16. TOTAL PACKAGE ACTIVITY IN MBq	
UN2915 Radioactive material, Type A package, 7 One drum with gauge for disposal		Yellow-II		Solid/Oxide		Sr-90		9.94E+02	
UN2915 Radioactive material, Type A package, 7 One drum with gauge for disposal		Yellow-II		Solid/Oxide		Sr-90		9.54E+02	
UN2915 Radioactive material, Type A package, 7 One drum with gauge for disposal		Yellow-II		Solid/Oxide		Ca-137		1.15E+03	
15-0464		Generator Certification Statement: The constituents of the waste manifested herein are known to the generator. There are no EPA RCRA, pathogenic or other hazards present other than those specifically listed on the Form 541.		<i>John O. Adkins</i> Print name		<i>John O. Adkins</i> Signature		7/21/15 Date	

CONSIGNEE ORIGINAL (MUST ACCOMPANY WASTE IN TRANSIT)



July 21, 2015.

Kuraray America Incorporated  
Washington Site West Virginia  
8480 DuPont Road  
Washington, West Virginia 26181

Chase Environmental Group, Inc.

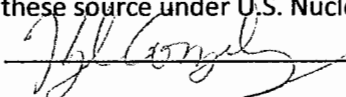
11450 Watterson Court

Louisville, KY 40299

For disposal of stored sources purchased in the GLS sale to Kuraray

This letter is to acknowledge delivery of the following radioactive source(s), which were in storage at the Kuraray America Washington Works site (NRC License 42-35152-01) at 8480 DuPont Road, Washington, West Virginia 26181 to Chase Environmental Group, Inc. (NRC License 201-605-90) to transfer for disposal. By this letter, Kuraray America Incorporated Washington Site acknowledges delivery and we transfer responsibility for future disposition of the source(s) below to Chase Environmental, Inc. for disposal:

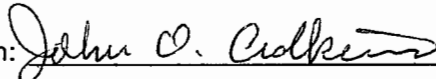
Serial #	Isotope	Activity (mCi)	Model #	Source Manufacturer
M-1643	Cs-137	5	A-2102	Ohmart
M-4634	Cs-137	50	A-2102	Ohmart
0230BG	Sr-90	50	SIF.D2	Amersham/AEA Technology
0231BG	Sr-90	50	SIF.D2	Amersham/AEA Technology

Chase Environmental Group, Inc. is authorized to receive these source under U.S. Nuclear Regulatory Commission Materials License number 201-605-90. Sign 

If you have any additional questions concerning this matter, please contact site RSO, John Adkins.

Sincerely,

John O. Adkins

Sign:  Date: 7/21/15

Site RSO

KURARAY AMERICA /WASHINGTON WORKS  
 RADIATION SOURCE INVENTORY  
 Revised 29 July 2015  
 Physical inventory

**N. R. C. LICENSE #42-35152-01**

Page 1 of 2  
 Monitor - J. O. ADKINS RSO

Source Mat'l	Source Size mC	Source Holder	Model # Serial #	"J" No.	Service	Person Conducting Shutter Test & Date	Location	Shutter/on - Highest reading in mR/hr 12" from the source or source covering
B	Cs137	200	Ohmart 2567CG SH-F2 WV-03-020-0289		J139	2-03 LPW477795	Level	B B-225 Butacite® 33-B Kettle
B	Cs137	200	Ohmart SHF-2 5782CN		J146	12/07 LPW573489	Level	B B-225 Butacite 33-H Kettle
B	Cs137	20	Ohmart SHF-2 6208CN		J147	12/07 LPW573489	Level	B B-225 Butacite 33-E Kettle
B	Cs137	20	Ohmart SHF-2 6211CN		J158	12/07 LPW573489	Level	B B-225 Butacite® 33-F Kettle
B	Cs137	20	Ohmart SHF-2 6207CN		J159	12/07 LPW573489	Level	B B-225 Butacite 33-D Kettle
B	Cs137	20	Ohmart SHF-2 5878CN		J160	12/07 LPW573489	Level	B B-225 Butacite 33-A Kettle
B	Cs137	20	Ohmart SHF-2 6206CN		J161	12/07 LPW573489	Level	B B-225 Butacite 33-C Kettle

<u>Source</u>	<u>Source</u>	<u>Source Model #</u>		<u>Person</u>		<u>Shutter/on - Highest</u>
<u>Mat'l</u>	<u>Size</u>	<u>Source Serial #</u>	<u>"J"</u>	<u>Conducting</u>		<u>reading in mR/hr</u>
	<u>mC</u>	<u>Holder Model #</u>	<u>No.</u>	<u>Shutter Test</u>	<u>Service</u>	<u>12" from the source</u>
		<u>Holder Serial #</u>		<u>&amp; Date</u>		<u>or source covering</u>
					<u>Location</u>	

Notes-

DEFINITION OF SOME OF THE ABBREVIATIONS USED IN THE SOURCE INVENTORY LIST.

USRC	United States Radium Co.
3M	Minnesota Mining & Manufacturing
GRIP	General Radio Isotope Products
I.N.C.	Industrial Nucleonics Corp.
N.R.D.	Nuclear Radiation Development
P.C.P Inc.	Phemto-Chem
RMD	Radiation Monitoring Devices, Inc.
T.N.	Texas Nuclear
S/N	Serial Number
N.R.C.	Nuclear Regulatory Commission
NDC	Duante CA.

ACTIVITY>>>>>>

# Applied Health Physics, LLC

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559  
E-Mail address: knobley.ahp@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

## Mark V Leak Test Certificate

**This certificate shall not be reproduced except in full, without the written approval of Applied Health Physics.**

### Device Information

Device Serial Number:	0230BG	Source Serial Number:	0230BG
Device Manufacturer:	Amersham	Source Manufacturer:	Amersham
Device Model:	SIF.D	Source Model:	SIF.D
Device Type:	Other	Make:	Thickness
Radioisotope:	Sr-90	Location:	Storage
		Activity:	50 mCi

### Leak Test Information

Leak Test Performed by:	John Atkins	Leak Test Performed on:	1/20/2015
Leak Test Specimen Number:	A-040183	Leak Test Analysis Date:	2/3/2015
Leak Test Analysis Performed by:	A. Erdman		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

The analysis of this leak test sample was provided by Applied Health Physics. Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics utilized the following for leak test analysis: Sample model: MARK V Leak Test Kit for wet swab analysis. Leak test analysis instrument: Manufacturer - Protean Instruments Model ASC950 serial number 01216140.

### Client Information

Kuraray America, Inc.	Contact:	John O. Adkins
8490 DuPont Road	Phone:	(304) 863-4037
	Contact:	FAX
	Phone:	(304) 863-4934
Washington	WV	26181

**This certificate is an essential record and should be maintained for inspection by the regulatory agency.**

**Next LT Due 1/20/2025**

# Applied Health Physics, LLC

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559  
E-Mail address: kmobley.ahp@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

## Mark V Leak Test Certificate

**This certificate shall not be reproduced except in full, without the written approval of Applied Health Physics.**

### Device Information

Device Serial Number:	0231BG	Source Serial Number:	0231BG
Device Manufacturer:	Amersham	Source Manufacturer:	Amersham
Device Model:	SIF.D	Source Model:	SIF.D
Device Type: Other	Make: Thickness	Location:	Storage
Radioisotope: Sr-90	Activity: 50 mCi		

### Leak Test Information

Leak Test Performed by:	John Atkins	Leak Test Performed on:	1/20/2015
Leak Test Specimen Number:	A-040164	Leak Test Analysis Date:	2/3/2015
Leak Test Analysis Performed by:	A. Erdman		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

The analysis of this leak test sample was provided by Applied Health Physics. Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics utilized the following for leak test analysis: Sample model: MARK V Leak Test Kit for wet swab analysis. Leak test analysis instrument: Manufacturer - Protean Instruments Model ASC950 serial number 01216140.

### Client Information

Kuraray America, Inc.	Contact:	John O. Adkins
8490 DuPont Road	Phone:	(304) 863-4037
	Contact:	FAX
	Phone:	(304) 863-4934
Washington	WV	26181

**This certificate is an essential record and should be maintained for inspection by the regulatory agency.**

**Next LT Due 1/20/2025**

# Applied Health Physics, LLC

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559  
E-Mail address: knobley.ahp@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

## Mark V Leak Test Certificate

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### Device Information

Device Serial Number:	M-4634	Source Serial Number:	M-4634		
Device Manufacturer:	Ohmart	Source Manufacturer:	Ohmart		
Device Model:	SH-F1	Source Model:	A-2102		
Device Type:	Gauge	Make:	Level	Location:	Storage
Radioisotope:	Cs-137	Activity:	50 mCi		

### Leak Test Information

Leak Test Performed by:	John Adkins	Leak Test Performed on:	1/20/2015
Leak Test Specimen Number:	A-040165	Leak Test Analysis Date:	2/3/2015
Leak Test Analysis Performed by:	A. Erdman		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

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	Contact:	FAX
	Phone:	(304) 863-4934

Washington WV 26181

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**Next LT Due 1/20/2025**

# Applied Health Physics, LLC

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E-Mail address: [knobley.ahp@comcast.net](mailto:knobley.ahp@comcast.net) - Web Page address: [WWW.APPLIEDHEALTHPHYSICS.COM](http://WWW.APPLIEDHEALTHPHYSICS.COM)

## Mark V Leak Test Certificate

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### Device Information

Device Serial Number:	M-1643	Source Serial Number:	M-1643		
Device Manufacturer:	Ohmart	Source Manufacturer:	Ohmart		
Device Model:	SH-F1	Source Model:	A-2102		
Device Type:	Gauge	Make:	Level	Location:	Storage
Radioisotope:	Cs-137	Activity:	5 mCi		

### Leak Test Information

Leak Test Performed by:	John Adkins	Leak Test Performed on:	1/20/2015
Leak Test Specimen Number:	A-040104	Leak Test Analysis Date:	2/3/2015
Leak Test Analysis Performed by:	A. Erdman		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

The analysis of this leak test sample was provided by Applied Health Physics. Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics utilized the following for leak test analysis: Sample model: MARK V Leak Test Kit for wet swab analysis. Leak test analysis instrument: Manufacturer - Protean Instruments Model ASC950 serial number 01216140.

### Client Information

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	Contact:	FAX
	Phone:	(304) 863-4934
Washington	WV	26181

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**Next LT Due 1/20/2025**

This is to acknowledge the receipt of your letter application dated

7-29-15, and to inform you that the initial processing which includes an administrative review has been performed.

Amend: 42-35152-01  
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** 588596.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)  
(6-96)

Sincerely,  
Licensing Assistance Team Leader