

## NRC FORM 314

(02-2017)  
10 CFR 30.36(j)(1);  
40.42(j)(1); 70.38(j)(1);  
and 72.54(k)(5)(1)(1)



U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0028

EXPIRES: 02/29/2020

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 FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to [Infocollections.Resource@nrc.gov](mailto:Infocollections.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

Radiation Therapy Associates, P.C.  
6255 North Inkster Road  
Suite 7  
Garden City, Michigan 48135

## LICENSE NUMBER

21-26536-01

## DOCKET NUMBER

## LICENSE EXPIRATION DATE

June 30, 2025

## 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:
- 32 iridium-192 seeds in nylon ribbon returned to Best Medical International, Inc. on Sept 18, 2017
- ☒ b. Disposal of radioactive materials:
- ☐ 1. Directly by the licensee:
- ☐ 2. By licensed disposal site:
- ☒ 3. By waste contractor:
- 217 uCi sealed cesium-137 (12/1/2002) source disposed of by Eckert & Ziegler Isotope Products (RA-310353) on Oct 11, 2017
- ☒ 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
Ronald C. Lutsic, D.O.	President	(734) 522-8540	rlutsic@comcast.net

Mail all future correspondence regarding this license to:

Ronald C. Lutsic, D.O. / Suite 7 6255 N. Inkster Rd / Garden City, MI 48135

## C. CERTIFYING OFFICIAL

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

PRINTED NAME AND TITLE	SIGNATURE	DATE
Ronald C. Lutsic, D.O. President		Oct 27, 2017

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.



## **RADIATION SURVEY REPORT**

**Regarding Termination of NRC License Number 21-26536-01**

**Radiation Therapy Associates, P.C.**

**6255 N. Inkster Road; Suite 7; Garden City, MI 48135**

**October 26, 2017**

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Prior to performing this survey, all of the remaining radioactive materials were removed from the facility and returned to their manufacturers for disposal. The radioactive materials disposed of were:

1. On Sept. 18, 2017, thirty-two (32) iridium-192 seeds in nylon ribbon were returned to their manufacturer, Best Medical International, Inc.
2. On Oct. 3, 2017, one cesium-137 dose calibrator reference source was returned to its manufacturer, Eckert & Ziegler Isotope Products.

Disposal information and survey reports for each of these shipments are attached.

All areas where radioactive materials were used, stored, or handled were surveyed using a Ludlum 14C survey meter. This instrument is serial no. 113073, which was last calibrated on 04/05/17 by Medical Physics Consultants (Ann Arbor, MI). Prior to use, the check source measurement was determined to be 1.2 mR/hr which is as expected from its last calibration. Background radiation levels were determined to be 0.01 mR/hr, and 10 CPM. The radiation survey was performed on 10/03/17.

The area survey included the brachytherapy room and the simulator room. The surfaces of objects in these rooms which were involved in the use of radioactive materials were also surveyed. In the brachytherapy room, this included the floor, counter top, sink and fixtures, the storage cabinet below the sink, and the dose calibrator. In the simulator room, this included the simulator table top, the counter top, the sink and fixtures, the patient's chair, and a generous portion of the floor surrounding the areas of radioactive material use. The exposure rates measured in all areas and at the surface of each of the noted objects was found to be at the background level of 0.01 mR/hr.

Wipe tests were performed on all of the surfaces noted above using alcohol swabs. For the smaller objects (sinks and fixtures, chair, and dose calibrator), the entire accessible surface of each was wiped. For the counter tops, simulator table top, and the storage cabinet, three representative areas on each which were most frequently used during these activities were selected for wipe testing. For the floors, five representative areas in the most frequently used locations of each were wipe tested. The wiped area for each test of the floor, counter or table top, and cabinet surfaces was approximately one square foot, or 900 sq.cm. The activity of each wipe test was also measured using the Ludlum 14C survey meter. All twenty-eight wipe tests produced background count rates of 10 CPM.

p.2

This survey demonstrates that no radioactive materials and no removable radioactive contamination are present in the facility at levels distinguishable from background. This site is believed to be acceptable for release for unrestricted use in accordance with 10 CFR Part 20, Subpart E, Section 20.1402. It is also believed that the radiological criteria for license termination have been met.

Survey and report performed by:

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke extending to the right.

Ross Bunting, M.S.

Medical Physicist, DABR

**REPORT OF RETURN SHIPMENT TO BEST MEDICAL INTERNATIONAL, INC.**

**For disposal of 32 Iridium-192 seeds in nylon ribbon**

**September 18, 2017**

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These 32 Ir-192 seeds in one nylon ribbon were shipped to Radiation Therapy Associates, P.C. on 01/02/02 by Best Medical International, Inc. The total initial activity was 589.16 mCi. The seed code is 0110B / white. The shipping container is numbered 0015.

The seeds were prepared for disposal by return shipment to Best on 09/18/17. The original shielded container and packaging were used. The decay time in storage has been 5655 days, or 76.59 half lives. The decayed activity for return is  $5.16 \times 10^{-21}$  mCi, or  $1.91 \times 10^{-22}$  GBq.

A radiation survey of the shielded and shipping containers was made using the Ludlum 14C survey meter, serial 113073. The check source reading was 1.2 mR/hr, as expected from the instrument's calibration on 04/05/17. Background radiation levels were measured as 0.01 mR/hr, and 20 CPM.

A wipe test of the shielded, inner container surface was made using an alcohol swab. The activity of this wipe was measured to be at the background level of 20 CPM.

The shielded, inner container was placed in the external steel drum packaging and prepared for shipping. The external surface of this container was wiped using an alcohol swab. The activity of this wipe was measured to be at the background level of 20 CPM. The maximum exposure rate at the exterior surface of the shipping container was measured to be 0.8 mR/hr. The maximum exposure rate at one meter from the container surface was 0.03 mR/hr.

In summary, no removable radioactive contamination was found. The measured exposure rates at the package surface and at one meter meet the required limits for shipments to be labelled "Radioactive - Yellow II". The shipping documents were completed and placed in the container. The container was sealed. The container was labelled with appropriate radioactive warnings and the Shippers Declaration Form was prepared in accordance with DOT requirements. Fedex was called for package pickup. The pickup number was DTWA227.



Ross Bunting, M.S.

Medical Physicist, DABR





Best Medical International, Inc.

## IRIDIUM 192 RETURN FORM

BEST MEDICAL INTERNATIONAL, INC. is authorized by the Commonwealth of Virginia license number 056-018-2 to receive Iridium 192 seeds. BEST MEDICAL INTERNATIONAL, INC. packaging meets Department of Transportation specification for 7A, Type A.

### SHIPPER'S CERTIFICATION

Please complete the following for your return shipment:

**Radioactive Material:** Iridium 192 seeds in nylon ribbons

**Total Activity:**  $5.16 \times 10^{-21}$  mCi as of: 9-18-17

**Total Number of Seeds:** 32

**Container Serial Number:** 0015

**Shipper's Hospital Name:** Radiation Therapy Associates, P.C.

**Phone Number:** 734-522-8540

**Address:** 6255 N. Inkster Rd.

Suite 7

Garden City, MI 48135

**Purchase Order Number:**

**Date:** 9/18/17

**By:** Ross Bunting, medical  
Physicist

Print Name and Title

Retain one copy for your records  
Retain one copy in shipping container

Authorized Signature

7643 Fullerton Road  
Springfield, VA 22153



703-451-2378  
800-336-4970

FAX: 703-451-5228  
www.bestmedical.com

Effective Date: 11/11/15

F-13.008 (5)

\* NOTE The nylon ribbon section containing the seeds broke off and remains in one of the shipping tubes. The wire leader is in the outside container. A short section of empty nylon ribbon is in the central container area.

## REPORT OF RETURN SHIPMENT TO ECKERT & ZIEGLER ISOTOPE PRODUCTS

For disposal of Cs-137 dose calibrator check source

October 3, 2017

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This dose calibrator check source was assayed to contain 217.0 uCi of Cs-137 as of 12/01/00 by Isotope Products. It is their catalog no. RV-137-200U, and is serial no. 743-1-56. The Cs-137 is encapsulated in epoxy.

The check source was prepared for disposal by return shipment to Eckert & Ziegler on 10/03/17. The original shielded container was used. The decay time in storage has been 16.83 years. The decayed activity for return is 147.1 uCi, or 5.44 MBq. New Type A packaging was received from Eckert & Ziegler for the return shipment. Their return number is RA-310353.

A radiation survey of the shielded and shipping containers was made using the Ludlum 14C survey meter, serial 113073. The check source reading was 1.2 mR/hr, as expected from the instrument's calibration on 04/05/17. Background radiation levels were measured as 0.01 mR/hr, and 20 CPM.

Wipe tests of the exterior of the source and the shielded container surface were made using alcohol swabs. The activity of these two wipes was measured to be at the background level of 20 CPM.

The shielded container was placed in the inner box packaging and taped closed. The external surface of the inner box was wiped using an alcohol swab. The activity of this wipe was measured to be at the background level of 20 CPM.

The inner box and spacing materials were placed in the outer packaging box. The external surface of the outer box was wiped using an alcohol swab. The activity of this wipe was measured to be at the background level of 20 CPM. The maximum exposure rate at the exterior surface of the outer box was measured to be 0.8 mR/hr. The maximum exposure rate at one meter from the outer box surface was 0.03 mR/hr.

In summary, no removable radioactive contamination was found. The measured exposure rates at the package surface and at one meter meet the required limits for shipments to be labelled "Radioactive - Yellow II". The shipping documents were completed and placed in the outer box. The outer box was sealed. The outer box was labelled with appropriate radioactive warnings and the Shippers Declaration Form was prepared in accordance with DOT requirements. Fedex was called for package pickup. The pickup number was DTWA195.



Ross Bunting, M.S.

Medical Physicist, DABR



Spore Copy

**B**

# RETURN PACKING LIST / DISPOSAL RECEIPT

All information must be provided to ensure proper handling of your return

## FROM:

Company Name Radiation Therapy Associates  
 Address ~~6000~~ 6255 N. Inkster Rd.  
 City Garden City State Mi ZIP 48135  
 RSO / Contact Name\* Ronald C. Lutsic, D.O.  
\*Person responsible for Disposal Receipt Records  
 Telephone 734-522-8540 Fax 734-522-5405  
 Email (BEST OPTION) rbunting@comcast.net

## SEND TO:



**Eckert & Ziegler**  
Isotope Products

**Attention: Receiving**  
**1800 North Keystone Street**  
**Burbank, CA 91504**  
 Telephone - (661) 309-1010  
 Fax - (661) 257-8303  
 Email: nucmedsales@ezag.com

Record Your FedEx Tracking # 7689 6605 8756  
 From Your Air Waybill:  
 Please note that the Shipper is responsible for return freight costs

**STOP:** Original Sheet B must be affixed to the OUTSIDE and a copy of the Return Packing List (this page) placed inside of the package. Each returned source to EZIP must be on a one-to-one exchange basis only. For additional returns, please contact EZIP customer service for additional cost considerations.

# RETURN # RA- 310353

Write RA# on outside of box or use provided Return Authorization Label.  
 Please allow a minimum of 5 business days for disposal processing.  
 EZIP does not accept returns through the US Postal Service.

Catalog Model#	Source Serial #	Nuclide	Original Activity	Original Reference Date	Source Wipe Test < 5nCi
1) <u>RV-137-200U</u>	<u>743-1-56</u>	<u>Cs-137</u>	<u>217 uCi</u>	<u>12/1/2000</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2) _____	_____	_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
3) _____	_____	_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
4) _____	_____	_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No

\*If source is damaged or contaminated, describe condition below and submit a copy of the last leak test.

Keep a copy of this form for your records. It may be requested by your regulatory agency.  
 I acknowledge that the above information is true to the best of my knowledge.

Print Name & Sign: Ross Bunting

## FOR EZIP USE ONLY

EZIP has received the radioactive sources listed above, except as noted below

Receiver's Name:

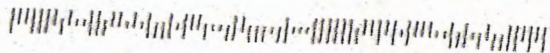
Receipt Date:

Sources not received:

☐ N/A







FROM:

R.T.A.  
6255 N. Inster Rd  
Ste 7  
Garden City, Mi  
48135

OF THE RETURN ADDRESS, FOLD AT DOTTED LINE  
**CERTIFIED MAIL**



7017 1450 0000 2651 6025



1000



60532

U.S. POSTAGE  
PAID  
WIXOM, MI  
48393  
OCT 30, 17  
AMOUNT  
**\$7.71**  
R2304H107962-01

TO:

Materials Licensing Section  
US Nuclear Regulatory Commission, Rm III  
2443 Wattenville Road, Ste 210  
Lisle, FL 60532-4352