



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, 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
Twin Rivers Regional Medical Center
1301 First Street
Kennett, MO 63857

LICENSE NUMBER 24-17628	DOCKET NUMBER
LICENSE EXPIRATION DATE 12-31-2023	

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:
Mid-South Nuclear Physics Services, LLC Mississippi Radioactive license number: MS-973-01
- 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 Jason Smith	TITLE Consultant	TELEPHONE (Include Area Code) 901 488-1537	E-MAIL ADDRESS jason@msnuclearservices.com
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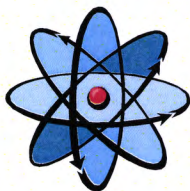
Mail all future correspondence regarding this license to:

Christian Jones, CEO; Twin Rivers Regional Medical Center; 1301 First Street; Kennett, MO 63857

C. CERTIFYING OFFICIAL I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE Jason Smith	SIGNATURE 	DATE 6-13-2018
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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.



Mid-South Nuclear Physics Services, L.L.C.

P.O. Box 446
203 Malone Road South
Hernando, MS 38632
901.488-1537 fax: 662.429.2132

SEALED SOURCE TRANSFER

June 4, 2018

TRANSFER TO: Mid-South Nuclear Physics Services, LLC
203 Malone Road South
Hernando, Mississippi
Mississippi Radioactive Materials License No. – MS-973-01

TRANSFER FROM: Twin Rivers Regional Medical Center
1301 First Street
Kennett, MO 63857
Radioactive Materials License No. – 24-17628

Nuclide	Type	Serial Number	Activity	Calibration Date	Current Activity	Leak Test	Leak test Results
Cs-137	Vial	319-107-10	205.50 uCi	10-26-1977	80.508 uCi	5-21-18	< 0.005 uCi
Cs-137	Vial	988-39-5	200.1 uCi	8-1-2003	142.146 uCi	5-21-18	< 0.005 uCi
Co-57	Flood	1813-028	10.00 mCi	7-1-2015	0.679 mCi	5-21-18	< 0.005 uCi
Co-57	Flood	2003-120	10.00 mCi	3-1-2018	8.134 mCi	5-21-18	< 0.005 uCi
Ba-133	Vial	1218-21-0021	247.1 uCi	2-1-2007	117.219 uCi	5-21-18	< 0.005 uCi

Date of last leak test: May 21, 2018; Removable contamination less than 0.005uCi.
Leak test performed by Mid-South Nuclear Physics Services, LLC,
RAML: MS-973-01

Jason Smith
Mid-South Nuclear Physics Services, LLC

RESTRICTED AREAS

Expoure Rate Surveys

GM Meter Serial Number: 179798
Probe 44-2 S/N: PR237338
Calibrated: 6/27/17

Background (uR/hr) 4.00 uR/hr

Removeable Contamination Sur

MCA Serial Number: 900028
Efficiency Date: 10/11/17
Window: 50-1000 keV
Efficiency: 0.88 c/d for Cc
Count time(minutes): 3.0 minute
Background(cpm): 146 cpm
MDA(dpm): 401 dpm

Exposure Rate Survey				Removeable Contamination Sur			
Area on Map		Location surveyed	Area Survey 44-2		Wipe BKG (gross cpm)	Wipe (net cpm)	Wipe (dpm)
		Floor/Wall	Results		Enter data in this column	Results are calculated in this column	Results are calculated in this column
Background			4.00 uR/hr		159		
Hot Lab							
Sealed Source Storage	1	Counter/Wall	2.00 uR/hr		135	0	0
Floor	2	Floor	3.00 uR/hr		135	0	0
Floor	3	Floor	4.00 uR/hr		135	0	0
Floor	4	Floor	2.00 uR/hr		135	0	0
Waste	5	Counter/Wall	3.00 uR/hr		162	16	18
Floor	6	Floor	2.00 uR/hr		162	16	18
Floor	7	Floor	3.00 uR/hr		151	5	6
Floor	8	Floor	4.00 uR/hr		152	6	7
Dose Calibrator	9	Counter/Wall	3.00 uR/hr		148	2	2
Floor	10	Counter/Wall	2.00 uR/hr		148	2	2
Floor	11	Counter/Wall	2.00 uR/hr		148	2	2
Floor	12	Floor	2.00 uR/hr		151	5	6
Imaging Area							
Floor	1	Counter/Floor	4.00 uR/hr		134	0	0
Floor	2	Counter/Floor	3.00 uR/hr		154	8	9
Floor	3	Counter/Floor	2.00 uR/hr		146	0	0

Floor	4	Counter/Floor	2.00 uR/hr		151	5	6
Floor	5	Counter/Floor	3.00 uR/hr		133	0	0
Floor	6	Counter/Floor	2.00 uR/hr		146	0	0
Floor	7	Counter/Floor	3.00 uR/hr		134	0	0
Floor	8	Counter/Floor	2.00 uR/hr		144	0	0
Floor	9	Counter/Floor	2.00 uR/hr		133	0	0
Floor	10	Camera/Bed	4.00 uR/hr		132	0	0
Floor	11	Camera/Bed	2.00 uR/hr		130	0	0
Camera/Bed	12	Camera/Bed	4.00 uR/hr		147	1	1
Floor	13	Camera/Bed	2.00 uR/hr		133	0	0
Floor	14	Counter/Floor	3.00 uR/hr		139	0	0
Floor	15	Counter/Floor	2.00 uR/hr		131	0	0
Floor	16	Counter/Floor	3.00 uR/hr		141	0	0
Floor	17	Counter/Floor	3.00 uR/hr		132	0	0
Floor	18	Counter/Floor	2.00 uR/hr		145	0	0
Floor	19	Counter/Floor	2.00 uR/hr		136	0	0
Floor	20	Camera/Bed	3.00 uR/hr		130	0	0
Floor	21	Counter/Floor	4.00 uR/hr		141	0	0
Floor	22	Counter/Floor	3.00 uR/hr		139	0	0
Collimator	23	Collimator	4.00 uR/hr		130	0	0
Floor	24	Counter/Floor	2.00 uR/hr		129	0	0
Floor	25	Desk	3.00 uR/hr		132	0	0
Computer	26	Desk	4.00 uR/hr		138	0	0
Floor	27	Counter/Floor	2.00 uR/hr		142	0	0
Stress Area							
Floor	1	Bed	2.00 uR/hr		134	0	0
Bed	2	ed	4.00 uR/hr		145	0	0
Floor	3	Counter/Floor	4.00 uR/hr		136	0	0
Computer	4	Computer	3.00 uR/hr		132	0	0
Treadmill	5	Treadmill	4.00 uR/hr		139	0	0
Floor	6	Counter/Floor	3.00 uR/hr		130	0	0
Computer	7	Computer	2.00 uR/hr		141	0	0
Floor	8	Counter/Floor	2.00 uR/hr		146	0	0
Floor	9	Counter/Floor	3.00 uR/hr		133	0	0
Desk	10	Desk	4.00 uR/hr		147	1	1
Floor	11	Desk	3.00 uR/hr		149	3	3

Twin Rivers Regional Medical Center
1301 First Street
Kennett, MO 63857

24-17628

Floor	12	Counter/Floor	2.00 uR/hr		132	0	0

Twin Rivers Regional Medical Center
1301 First Street
Kennett, MO 63857

24-17628

vey

0-57

0.000181 uCi

vey
Flags
Results are calculated in this column
OK
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Twin Rivers Regional Medical Center
1301 First Street
Kennett, MO 63857

24-17628

SEALED SOURCE LEAK TEST CERTIFICATE

Facility: Twin Rivers Regional Medical Center
1301 First Street
Kennett, MO 63857

Date: May 21, 2018

NEXT DUE: **November 17, 2018**

Sample Collection and Analysis by: Jason Smith

Counting Instrument

Multi-Channel Scaler Mfr.:Capintec Model: Captus 3000 Serial No.: 900028
Detector Mfr.:Capintec Serial No.: 30001-1222-I

Reference Source

Radionuclide	Serial No.	Calibration Date	Activity at Calibration	Current Activity	Bkg cpm	Count Efficiency	MDA dpm	MDA uCi
Cs-137	1075-100-5	1/15/05	0.0999 uCi	0.0734 uCi	18	12.24%	165 dpm	0.00007 uCi
Co-57	1669-94-2	10/1/13	0.0935 uCi	0.0012 uCi	41	86.84%	37 dpm	0.00002 uCi
Ba-133	BM08331-002	5/15/06	1.0780 uCi	0.4721 uCi	39	17.93%	165 dpm	0.00007 uCi

Source Wipe Data

Radionuclide Type	Serial No.	Mfgr.	Calibration Date	Activity at Calibration Current	Bkg CPM	Measured Sample CPM	Test (uCi) Results	Status
Cs-137 Reference Vial Source NES-356	319-107-10	NEN	10/26/77	205.50 uCi 80.508 uCi	18	22	0.000015	PASS
Ba-133 Reference Vial Source SRV-133-250U	1218-21-0021	E & Z	2/1/07	247.10 uCi 117.219 uCi	39	44	0.000003	PASS
Co-57 Flood Source SFL24R-057-10M	1813-028	IPL	7/1/15	10.00 mCi 0.679 mCi	41	53	0.000030	PASS
Co-57 Flood Source SFL24R-057-10M	2003-120	IPL	3/1/18	10.00 mCi 8.134 mCi	41	51	0.000025	PASS
Cs-137 Reference Vial Source SRV-137-200U	988-39-5	IPL	8/1/03	200.10 uCi 142.146 uCi	18	24	0.000022	PASS

Comments and Recommendations

Leak test results less than MDA

All above Sealed Sources are not leaking at this time. Removable contamination is less than 0.005 uCi.

Analysis of the **WIPE** used to conduct a leak test on the Sealed Source was performed by scintillation detection and compared against NIST traceable standard.

Above leak test complies with NRC 10 CFR 35.67(b)(2) and 35.67(c).

Results certified by Jason Smith

James Smith

Radiation Safety Officer

Test completed by Mid-South Nuclear Physics Services, authorized by Mississippi Radioactive Materials License MS-973-01

CERTIFICATE OF DISPOSITION OF MATERIALS

PLEASE READ THESE INSTRUCTIONS BEFORE COMPLETING NRC FORM 314.

Subpart E of 10 CFR Part 20 establishes the radiological criteria for license terminations/decommissioning of facilities licensed under 10 CFR Parts 30, 40, 50, 60, 61, 70, and 72, as well as other facilities subject to the Commission's jurisdiction under the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974, as amended.

INSTRUCTIONS

Section B, Item 2.

Licensees should describe the specific radioactive material transfer actions. If radioactive wastes were generated in terminating this license, the licensee should describe the disposal actions taken, including the disposition of low-level radioactive waste, mixed waste, greater-than-Class-C waste, and sealed sources.

Section B, Item 2.a.

The information provided concerning the transfer of radioactive material to another licensee should specify the date of the transfer, the name of the licensee recipient, an individual contact name and telephone number for the licensee recipient, and the recipient's NRC or Agreement State license number.

Section B, Item 2.b.

For disposal of radioactive materials, licensees should describe the specific disposal method or procedure (e.g., decay-in-storage). For those cases when radioactive materials are disposed of by a licensed disposal site or by a waste contractor, the licensee should specify the name, address, and telephone number of the licensed disposal site operator or waste contractor.

Section B, Item 2.c.

"Residual radioactivity," as defined in 10 CFR 20.1003, means radioactivity in 'areas' (structures, materials, soils, etc.) remaining as a result of activities (licensed and unlicensed) under the licensee's control from sources used by the licensee, excluding background radiation. ALARA is defined in 10 CFR 20.1003.

FILE CERTIFICATES 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 CERTIFICATES TO:

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

IF YOU ARE LOCATED IN:

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 CERTIFICATES TO:

MATERIAL RADIATION PROTECTION SECTION
U. S. NUCLEAR REGULATORY COMMISSION, REGION IV
1600 E. LAMAR BOULEVARD
ARLINGTON, TX 76011-4511

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

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

ORIGIN ID:SIKA (573) 888-8476
ROSEMARY PELTS
TWIN RIVERS REGIONAL MEDICAL
1301 FIRST STREET

KENNETT, MO 63857
UNITED STATES US

SHIP DATE: 28JUN18
ACTWGT: 0.50 LB
CAD: 7542960/INET3980

BILL SENDER

TO REGION III MATERIALS LICENSING SECT
U.S. NUCLEAR REGULATORY COMMISSION
2443 WARRENVILLE ROAD,
SUITE 210
LISLE IL 60532

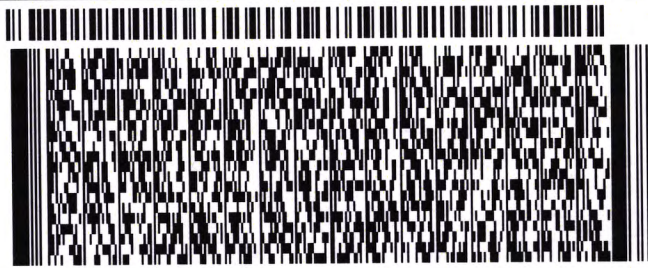
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(573) 888-8476
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RECEIVED JUL 02 2018

DEPT:



FedEx
Express



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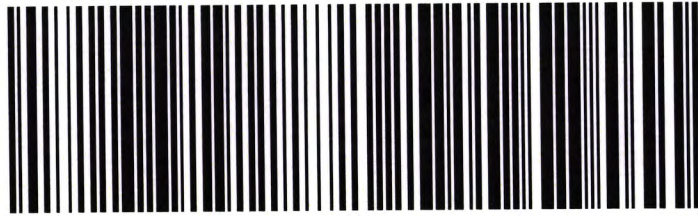
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