



44405 Woodward Ave.  
Pontiac, MI 48341  
P: 248-858-3000  
stjoesoakland.org

Jose Macatangay  
Materials Licensing Branch  
U.S. Nuclear Regulatory Commission  
Region III  
2443 Warrenville Road  
Suite 110  
Lisle, Illinois 60532

Re: Additional Information  
Control Number 318855

Dear Mr. Macatangay:

The following additional information is provided in response to your request dated April 28, 2010 concerning our amendment request for Materials License 21-11651-01 dated 02/20/10 under NRC Control Number 318855:

#### **SURVEY METER CALIBRATION**

Please note that the proper calibration date for the survey meter used during the Bald Mountain facility close-out process is 05/05/09

#### **SEALED SOURCES - LEAK TEST DATA**

Please find enclosed sealed source leak test data for those sources previously located at our Bald Mountain Facility. As previously noted these sources were contractually transferred from the Bald Mountain facility by Cardinal Health to our main hospital hot lab under our existing Materials License 21-11651-01.

#### **NRC FORM 314**

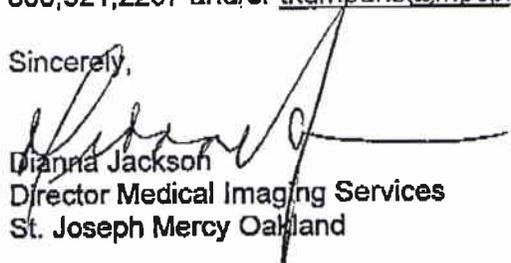
Please find enclosed NRC form 314 as per your request.

#### **RADIATION SAFETY OFFICER**

Please find enclosed the reconfigured pages 4 and 5 of NRC form 313A (RSO) as per your request.

We look forward to our license amendment. Please contact our Medical Nuclear Physicist, Thomas M. Kumpuris, M.S., FACR of Medical Physics Consultants, Inc. 800,321,2207 and/or [tkumpuris@mpcphysics.com](mailto:tkumpuris@mpcphysics.com)

Sincerely,



Dianna Jackson  
Director Medical Imaging Services  
St. Joseph Mercy Oakland

**Medical Physics Consultants, Inc.****Sealed Source Leak Test**Licensee: St. Joesph Mercy Oakland - Bald MountainDate: 07/08/09Performed by: Thomas Kumpuris

Nuclide	Type	Calibration Activity	Calibration Date	Location	M/N	S/N
Cs-137	Vial	200.2 uCi	04/01/04	Hot Lab	IPL	1047-24-18
Current Activity: 177.25 uCi						
Ba-133	Vial	270 uCi	03/01/04	Hot Lab	IPL	1047-12-6
Current Activity: 191.10 uCi						

Comment: The sources listed above were leak tested using a dry wipe technique and were found to have less than 0.005 uCi removable activity. The following Minimum Detectable Activities are based upon a background at the indicated value. Background was at or below these levels when the above tests were completed.

Well Counter: Captus 3000

Nuclide	MDA	Background
Cs-137	$2.0 \times 10^{-4}$ uCi	145 counts/1 min
Ba-133	$8.8 \times 10^{-5}$ uCi	204 counts/1 min
Co-57	$1.7 \times 10^{-5}$ uCi	53 counts/1 min

**RADIATION SAFETY OFFICER:** \_\_\_\_\_

<p><b>NRC FORM 314</b> (4-2009) 10 CFR 30.38(j)(1); 40.42(f)(1); 70.38(f)(1); and 72.54(k)(5)(1)(1)</p> <p style="text-align: center;"><b>U.S. NUCLEAR REGULATORY COMMISSION</b></p> <p style="text-align: center;"><b>CERTIFICATE OF DISPOSITION OF MATERIALS</b></p>	<p><b>APPROVED BY OMB: NO. 3150-0028</b>      <b>EXPIRES: 08/31/2010</b></p> <p><small>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 Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to info/collect@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-C028), 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.</small></p>
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<p><b>LICENSEE NAME AND ADDRESS</b></p> <p><b>St. Joseph Mercy Oakland</b> 1375 South Lapeer Road, Suite 104 Lake Orion, Michigan</p>	<p><b>LICENSE NUMBER</b></p> <p style="text-align: center;"><b>21-11651-01</b></p>	<p><b>DOCKET NUMBER</b></p>
<p><b>LICENSE EXPIRATION DATE</b></p> <p style="text-align: center;"><b>11/30/2010</b></p>		

**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:  
**St. Joseph Mercy Oakland 44405 Woodward Ave., Pontiac, MI - Nuclear Medicine Hot Lab**

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: 02/02/2010  
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 <b>Dianna Jackson</b>	TITLE <b>Director of Medical Imaging</b>	TELEPHONE (include Area Code) <b>(248) 858-3040</b>	E-MAIL ADDRESS <b>jackdain@trin</b>
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Mail all future correspondence regarding this license to:  
**St. Joseph Mercy Oakland / Nuclear Medicine / 44405 Woodward Ave. / Pontiac, MI 48341**

**C. CERTIFYING OFFICIAL**

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

PRINTED NAME AND TITLE <b>Dianna Jackson</b>	SIGNATURE 	DATE <b>05/06/2010</b>
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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.

NRC FORM 313A (RSO)  
(5-2009)

U.S. NUCLEAR REGULATORY COMMISSION

**RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**3. Structured Educational Program for Proposed Radiation Safety Officer (continued)**

c. Training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license (continued)

<p>Supervising Individual <i>If training was provided by supervising RSO, AU, AMP, or ANP. (If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.)</i></p>	<p>License/Permit Number listing supervising individual</p>
<p>License/Permit lists supervising individual as:</p> <p><input type="checkbox"/> Radiation Safety Officer      <input type="checkbox"/> Authorized User      <input type="checkbox"/> Authorized Nuclear Pharmacist</p> <p><input type="checkbox"/> Authorized Medical Physicist</p> <p>Authorized as RSO, AU, ANP, or AMP for the following medical uses:</p> <p><input type="checkbox"/> 35.100      <input type="checkbox"/> 35.200      <input type="checkbox"/> 35.300      <input type="checkbox"/> 35.400</p> <p><input type="checkbox"/> 35.500      <input type="checkbox"/> 35.600 (remote afterloader)      <input type="checkbox"/> 35.600 (teletherapy)</p> <p><input type="checkbox"/> 35.800 (gamma stereotactic radiosurgery)      <input type="checkbox"/> 35.1000 ( _____ )</p>	

d. Skip to and complete Part II Preceptor Attestation.

OR

**4. Authorized User, Authorized Medical Physicist, or Authorized Nuclear Pharmacist identified on the licensee's license**

- a. Provide license number.
- b. Use the table in section 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.
- c. Skip to and complete Part II Preceptor Attestation.

**PART II – PRECEPTOR ATTESTATION**

Note: This part must be completed by the individual's preceptor. The preceptor does not have to be the supervising individual as long as the preceptor provides, directs, or verifies training and experience required. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each.

**First Section**

Check one of the following:

**1. Board Certification**

I attest that \_\_\_\_\_ has satisfactorily completed the requirements in

Name of Proposed Radiation Safety Officer

10 CFR 35.50(a)(1)(i) and (a)(1)(ii); or 35.50 (a)(2)(i) and (a)(2)(ii); or 35.50(c)(1).

OR

**2. Structured Educational Program for Proposed Radiation Safety Officers**

I attest that \_\_\_\_\_ has satisfactorily completed a structural educational

Name of Proposed Radiation Safety Officer

program consisting of both 200 hours of classroom and laboratory training and one year of full-time radiation safety experience as required by 10 CFR 35.50(b)(1).

OR

NRC FORM 313A (RSO)  
(3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

**RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**Preceptor Attestation (continued)**

**First Section (continued)**

Check one of the following:

**3. Additional Authorization as Radiation Safety Officer**

I attest that Khuraam Rashid, M.D. is an  
Name of Proposed Radiation Safety Officer

Authorized User

Authorized Nuclear Pharmacist

Authorized Medical Physicist

identified on the Licensee's license and has experience with the radiation safety aspects of similar type of use of byproduct material for which the individual has Radiation Safety Officer responsibilities

**AND**

**Second Section**

Complete for all (check all that apply):

I attest that Khuraam Rashid, M.D. has training in the radiation safety, regulatory issues, and  
Name of Proposed Radiation Safety Officer

emergency procedures for the following types of use:

35.100

35.200

35.300 oral administration of less than or equal to 33 millicuries of sodium iodide I-131, for which a written directive is required

35.300 oral administration of greater than 33 millicuries of sodium iodide I-131

35.300 parenteral administration of any beta-emitter, or a photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required

35.300 parenteral administration of any other radionuclide for which a written directive is required

35.400

35.500

35.600 remote afterloader units

35.600 teletherapy units

35.600 gamma stereotactic radiosurgery units

35.1000 emerging technologies, including:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# Facsimile

44405 Woodward Avenue  
Pontiac, Michigan 48341-5023

Department of Radiology/Imaging Services

Phone: 248-858-3040 Fax: 248-858-3017

To: JOSE MACATANGAY From: NUCLEAR MED

Fax: 630 515 1078 Pages: 6 (Including Cover Page)

Phone: 630 829 9892 Date: 5/6/10

Re: CONTROL # 318855 CC: \_\_\_\_\_

- Urgent     For Review     Please Comment     Please Reply     Please Recycle

• Comments:

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A MEMBER OF  TRINITY HEALTH

OUR MISSION: We serve together in Trinity Health in the spirit of the Gospel to heal the body, mind and spirit, to improve the health of our communities and to steward the resources entrusted to us.

OUR VISION: Our physicians and staff are the preferred providers of healthcare to our community, demonstrating compassion and excellence in caring for our patients in the Mercy tradition.

OUR VALUES: Respect, Social Justice, Compassion, Excellence, Care of the Poor and Underserved