University of Chicago-Crown Point
10855 Virginia Street
Crown Point, Indiana 46307

January 8, 2024

U.S. Nuclear Regulatory Commission
Radioisotopes Licensing Division
Region III
Attn: Radioactive Material Licensing-Frank Tran
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532-4352

RE: Mail Control No. 637744

Subject: Additional Information for RML Application

To: Frank Tran

1. The revised RSO delegation page is attached.

   RSO Contact information:
   Name: Nicholas Feinberg, M.D.
   Business Phone: 773-805-5530 (Alberto Jimenz Call Phone)
   Email: Alberto.Jimenez@uchicagomedicine.org

2. Dr Feinberg is an employ (Authorized User) of this facility. He will be providing onsite medical (AU) and RSO support.

3. You can reference the attached Emergency Procedures for the contamination levels, Table R1 & R2.

4. We have developed and will implement and maintain written procedures for a program for training required under 10 CFR 19.12 for each group of workers, including (i) topics covered, (ii) qualifications of the instructors, (iii) method of training, (iv) method for assessing the success of the training, (v) initial training, and (vi) annual refresher training.

5. We will develop, implement, and maintain written procedures for licensed material accountability and control to ensure that: license possession limits are not exceeded; licensed material in storage is secured from unauthorized access or removal; licensed material not in storage is maintained under constant surveillance and control; and records of receipt (either from the licensee's own

6. production operations or from another licensee), transfer, and disposal of licensed material, are maintained.

7. This facility is has a sperate tax ID but is a subsidiary of the University of Chicago based in Chicago, Illinois.

8. The facility construction is mostly complete. The Nuclear Medicine cameras are already installed. We request the RML be issued by Feb 1, 2024, to allow us to set up the Hot Lab and Cameras. We will start the camera orientation as soon as possible in February 2024 with an anticipated patient treatment start date of Mar 1, 2024.

9. Alberto Jimenez, Manager Radiology, UChicago Medicine, Crown Point,10855 Virginia Street, Crown Point, Indiana 46307, Cell: 773-805-5530 is authorized to speak and sign official documents on behalf of this facility for the NRC.

Thank you for your assistance with this request. If you need additional information, please contact me directly at (815) 370-6538 or e-mail to jhatten@sahci.com.

Sincerely,

Lauren Hull
CAO

Model Delegation of Authority

Memo To: Nicholas Feinberg, M.D.

From: Administration, Lauren Hull

Subject: Delegation of Authority

You, Nicholas Feinberg, M.D., have been appointed Radiation Safety Officer and are responsible for ensuring the safe and secure use of radiation and radioactive material. You are responsible for managing the radiation protection program; identifying radiation protection problems; initiating, recommending, or providing corrective actions; verifying implementation of corrective actions; stopping unsafe activities; and ensuring compliance with regulations. You are hereby delegated the authority necessary to meet those responsibilities, including prohibiting the use of byproduct material by employees who do not meet the necessary requirements and shutting down operations when justified to maintain radiation safety. You are required to notify management if staff does not cooperate and does not address radiation safety issues. In addition, you are free to raise issues with the U.S. Nuclear Regulatory Commission at any time. It is estimated that you will spend 2 hours per week conducting radiation protection activities.

Lauren Hull, CAO Jan 4, 2023

Nicholas Feinberg, M.D. Jan 4, 2023

EMERGENCY PROCEDURES

I. In the event of a stolen, lost or missing radioactive material immediately notify the Radiation Safety Officer (RSO). The RSO will supervise the required actions to the emergency and NRC notifications.

II. Implement the following procedure in the event of physical damage to a portable gauging device or any other emergency or unusual situation:

A. Immediately secure the area around the radioactive material (spill or sealed source) and keep people at least 15 feet away until the situation is assessed, and radiation levels are known. Maintain surveillance of the perimeter to prevent unauthorized entries.

B. Care for life-threatening injuries first, even if individuals may be contaminated. Perform first aid and remove them from the area only when medically safe to do so. Evaluate the situation to determine if anyone may have been exposed to radiation. Notify emergency personnel and hospital staff about possible radioactive material contamination. Do not allow any potentially contaminated people to leave the scene.

C. Visually inspect the location involved to determine whether damage to the sealed source is evident or if the spill is contained. Take immediate action to contain the spill if this can be doen safely. If appropriate, wait for technical assistance or instruction from the RSO prior to doing anything else. The condition of the sealed source or full extent of the spill/contamination will be determined, and appropriate actions will be taken to decontaminate the area.

D. The area involved with the emergency will be evaluated with a survey meter for the presence of contamination prior to being released.

E. As soon as possible notify the RSO. If properly trained and qualified for the current emergency, you can secure the source or clean up the contamination (only minor spills can occur at this location based on the medical service provided). If no one present is qualified to perform these emergency actions just secure the area and wait for the RSO or qualified personnel to arrive. The emergency contact information is posted on the Nuclear Medicine Hot Lab Door.

F. The RSO will complete the notification to the NRC as required by the incident.

Based on the medical service provided at this facility only minor spills can occur. These spills should be manageable by all staff qualified to work with sealed or unsealed radioactive materials.

Type of Survey	**Area Surveyed**	**Trigger Level**
Ambient Dose Rate	Unrestricted	0.1 mR/h
Ambient Dose Rate	Restricted	5.0 mR/h

Table R–2. Surface Contamination Levels in Restricted Areas (dpm/100 cm^2)

Area, clothing	Restricted areas, protective clothing used only in restricted area
P-32, Co-58, Fe-59, Co-60, Se-75, Sr-85, Y-90, In-111, I-123, I-125, I-131, Sm-153, Yb-169, Lu-177, Au-198	2000
Cr-51, Co-57, Ga-67, Tc-99m, Hg-197, Tl-201	20000

Martha Pavon

From: Frank Tran
Sent: Wednesday, January 10, 2024 2:44 PM
To: Martha Pavon
Cc: Tammy Tomczak; Sandy Pavon
Subject: FW: RE: Request additional information for NRC new materials license for UChicago Medicine Northwest Indiana, Inc. Mail Control No. 637744
Attachments: 2024-01-10 UCM NRC Response.pdf; 665 637744 Additional information.pdf

Dear Martha,

Please add the attachment to ADAMS as additional information. Let me know if you have any questions.

Thank you,

Frank

From: James Hatten <jhatten@sahci.com>
Sent: Wednesday, January 10, 2024 1:16 PM
To: Frank Tran <Frank.Tran@nrc.gov>
Cc: alan.balinao@uchicagomedicine.org; Jimenez, Alberto [UCM] <Alberto.Jimenez@uchicagomedicine.org>; Kelli Goodwin <sahci@sahci.com>; James Hatten <jhatten@sahci.com>
Subject: RE: Request additional information for NRC new materials license for UChicago Medicine Northwest Indiana, Inc. Mail Control No. 637744

Frank

Here is the original letter with the admin signature.

We will send you another letter shortly after we get confirmation from the construction supervisor that the build was done in accordance with the MP shielding recommendation.

Let us know if you need anything else for now.

Jim