



October 24, 2017

Sarah Forster  
Materials Licensing Branch  
US Nuclear Regulatory Agency – Region III  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

RE: Materials License 21-08317-01, Munson Medical Center

Dear Ms. Forster,

This letter is to clarify information previously presented.

I request Dr. Forster be an Authorized User for all administration activities for 35.300 (below and above 33 mCi).

Please see included letter from University of Cincinnati verifying preceptors were Authorized Users at the time of Dr. Forster's training.

Also included is the Close Out Survey from Traverse Heart and Vascular.

Sincerely,

Dennis Aurand, MS, DABR®  
Diagnostic Medical Physicist  
Radiation Safety Officer  
daurand@mhc.net  
phone: 231.392.8612  
fax: 231.935.3204



College of Medicine  
Radiation Oncology  
The Barrett Center for Cancer  
Prevention, Treatment and Research  
University of Cincinnati Academic Health Center  
PO Box 670757  
Cincinnati OH 45267-0757

234 Goodman Street  
Phone (513) 584-5668  
Fax (513) 584-4007

October 24, 2017

Dennis Aurand, MS, DABR<sup>®</sup>  
Radiation Safety Officer  
Diagnostic Medical Physicist  
Munson Medical Center  
Traverse City, MI

This memo confirms that the following preceptors for Neil Forster were Authorized Users on the UC Health Broad Scope license during his residency at University of Cincinnati Medical Center:

35.300 Unsealed Sources

Jennifer Scheler, MD (Uptake, dilution and excretion studies; imaging and localization; therapeutic administration) Mariano Fernandez-Ulloa, MD (Uptake, dilution and excretion studies; imaging and localization; therapeutic administration, other uses (Y90))

35.1000 (Y-90)

Ross Ristagno, MD (Other uses, (Y90))

35.400, 35.600

Jordan Kharofa, MD (Linac, manual brachytherapy, remote afterloader brachytherapy).

If we can be of further assistance, please don't hesitate to contact us.

Michael Lamba, PhD

A large, stylized handwritten signature in black ink, appearing to read 'Michael Lamba'.

Michael Lamba, Ph.D.  
Director, Graduate Studies  
Department of Radiation Oncology  
College of Medicine  
University of Cincinnati  
Cincinnati, OH 45267  
513-584-9028  
[michael.lamba@uc.edu](mailto:michael.lamba@uc.edu)

## Close-out Survey

**Date performed:** September 14, 2017

**Performed by:** Dave Ingraham, CNMT

**Comments:** Sealed sources and radioactive trash were removed from these areas prior to survey and wipe testing.

### Instruments

Wipe tests analyzed with a Captinec Caprac Well Counter #002120

Instrument: Well Counter

Radionuclide: Cs-137      MDA for Cs-137 689 dpm's  
Date completed: 08/23/15      Conversion factor: 10.32 dpm/dpm

Area survey performed with the following survey meter:

Manufacturer: Ludlum  
Type: GM  
Model Number: 14C  
Serial Number: 102699  
Probe Model: End Window  
Annual Calibration Due: 12/22/17

Battery check acceptable: YES  
Operational check acceptable: N/A  
Constancy check acceptable: YES  
Current reading: 0.9 mR/hr

### Radionuclides Used

#### Unsealed

Tc99m, Tl-201

#### Sealed

Ba-133, Cs-137, Co-57

**Last date of byproduct radiopharmaceutical use:**

September 11, 2017

**Visual Check:** The area was checked to ensure that all sealed sources and radioactive waste had been removed. No evidence of radioactive material was noted.

**Sealed Source Leak Testing:** Sealed Source Leak tests demonstrated no removable contamination.

**Leaking Sources:** There is no history of leaking sources at this facility.

**Radiation Level Survey:** No area within the department demonstrated radiation levels in excess of the background reading of 0.02 mR/hr.

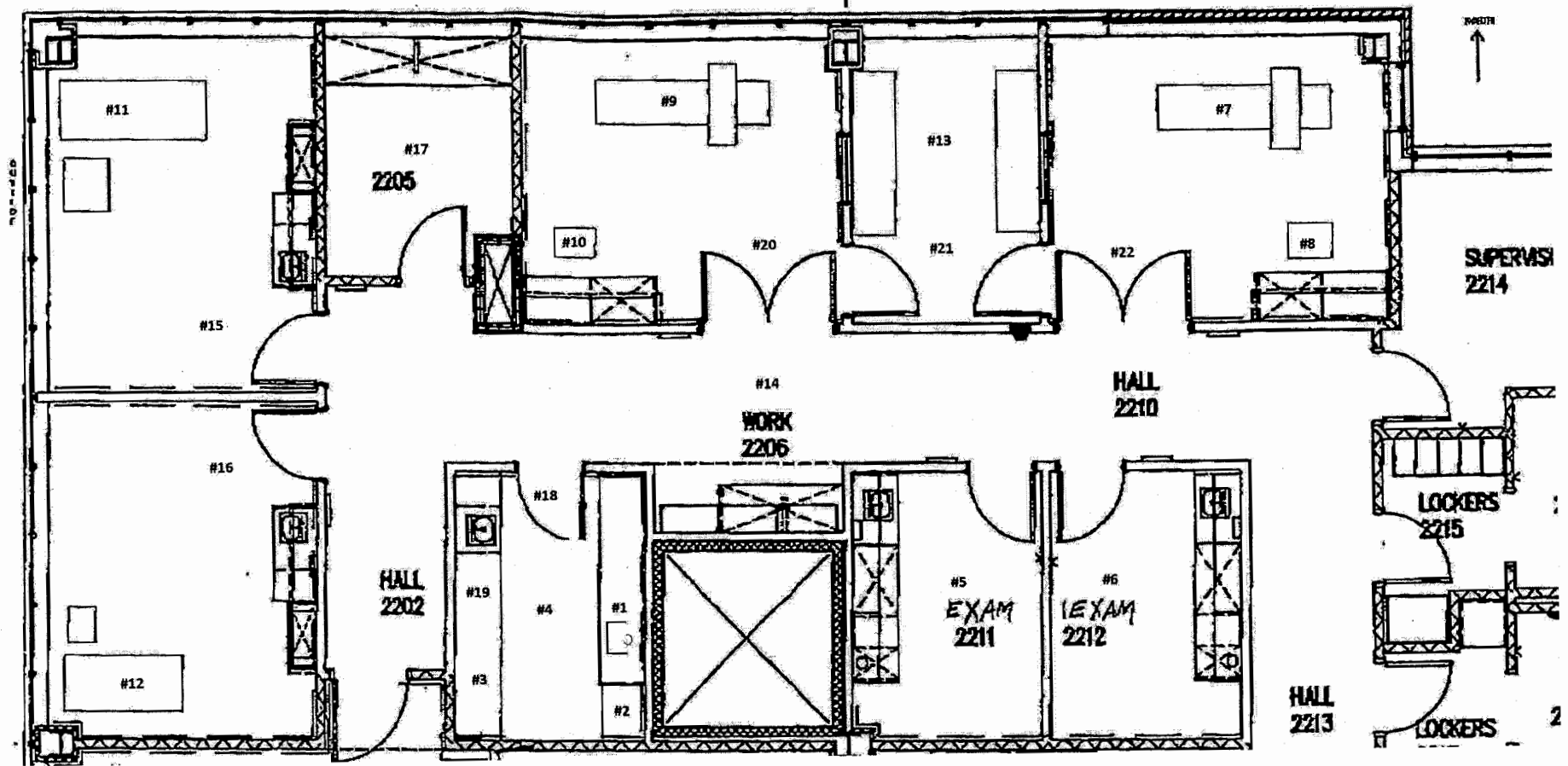
**Removable Contamination:** No area within the department demonstrated removable contamination excess of 50 dpm's.

***Hot Lab, Imaging Area and Stress Rooms***

Background: 462 cpm's

<b>Area</b>	<b>Result in dpms</b>
#1 Dose Prep	0
#2 Waste Storage	4
#3 Package Receipt	2
#4 Hot Lab Floor	50
#5 Exam Room	0
#6 Exam Room	8
#7 Camera	0
#8 Acq/Processing Area	0
#9 Camera	0
#10 Acq/Processing Area	0
#11 Treadmill	40
#12 Treadmill	0
#13 Acq/Processing Area	10
#14 Hallway	0
#15 Treadmill Floor	0
#16 Treadmill Floor	0
#17 Exam Room	0
#18 Hot Lab Floor	0
#19 Hot Lab	2
#20 Imaging Room Floor	0
#21 Processing Room Floor	2
#22 Imaging Room Floor	0

***Maximum removable contamination = 50 dpms***



## Song, Taehoon

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**From:** Forster, Sara  
**Sent:** Tuesday, November 14, 2017 6:37 AM  
**To:** Song, Taehoon; Pavon, Sandy; Sandrik, Lauren  
**Subject:** FW: Additional Information for Munson Medical Center Amendment, Lic. 21-08317-01, CN600842  
**Attachments:** NRC THV decommissioning and Forster MD update October 24 2017.pdf; Forster NRC Preceptor Verifications.pdf; Traverse Heart and Vascular Close-Out 9-17 survey + map.pdf

Please scan in and return to me. Thank you!

Sara x9892

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**From:** Aurand, Dennis [mailto:[daurand@mhc.net](mailto:daurand@mhc.net)]  
**Sent:** Monday, November 13, 2017 2:25 PM  
**To:** Forster, Sara <[Sara.Forster@nrc.gov](mailto:Sara.Forster@nrc.gov)>  
**Subject:** [External\_Sender] Update

I responded October 24, 2017. See below and attached.

*Dennis Aurand*  
*(231)392-8612*

**From:** Forster, Sara [mailto:[Sara.Forster@nrc.gov](mailto:Sara.Forster@nrc.gov)]  
**Sent:** Monday, November 13, 2017 3:20 PM  
**To:** Aurand, Dennis <[daurand@mhc.net](mailto:daurand@mhc.net)>  
**Subject:** Additional Information Request re Munson Medical Center Amendment, Lic. 21-08317-01, CN600842

Dear Mr. Aurand:

On October 20, 2017, we discussed additional information needed to add Neil Forster, M.D., as an Authorized User (AU) on the above-referenced license. We were expecting a response within 14 days of the call (i.e. by 11/3/2017). Please let us know the status of your response. As discussed, a signed and dated letter, transmitting the requested information and attached to an email, would be fine.

As a reminder, please indicate the following in your response:

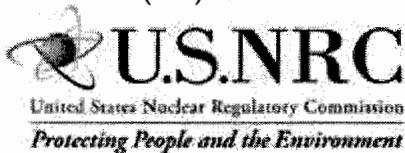
1. Regarding the requested 10 CFR 35.300 authorization for Dr. Forster, please confirm that you are requesting all oral and parenteral authorizations.
2. Regarding training and preceptor AUs from the University of Cincinnati Medical Center (UCMC), please provide a copy of each applicable permit or a letter from the UCMC Radiation Safety Officer (RSO) confirming that:
  - o Jennifer Scheler, M.D., has been approved as an AU (for 10 CFR 35.300 materials including oral sodium iodide I-131 and parenteral administrations) from – at a minimum – July 1, 2013 through July 10, 2017.

- Mariano Fernandez Ulloa, M.D., has been approved as an AU (for 10 CFR 35.300 materials including oral sodium iodide I-131 and parenteral administrations) from November 26, 2013 through June 26, 2015.
  - Ross Ristagno, M.D., has been approved as an AU for oral sodium iodide I-131 administrations permitted under 10 CFR 35.300 from November 14-16, 2014.
  - Jordan Kharofa, M.D., has been approved as an AU for 10 CFR 35.400 and 10 CFR 35.600 (limited to HDR) material from July 1, 2013 through June 30, 2017.
3. Regarding sealed sources transferred from the Suite to be removed from the license, please confirm that those sources were transferred to another area of use listed on the above referenced license.
4. Regarding closeout surveys for the Suite to be removed from the license, please provide a copy of the final area survey results, including a diagram of the area surveyed with wipe locations keyed to spots noted on the diagram.

If you have any questions regarding this request, please let me know by phone or by email.

Sincerely,

**Sara A. Forster, Health Physicist Licensing Reviewer**  
U.S. Nuclear Regulatory Commission - Region III  
Division of Nuclear Materials Safety  
2443 Warrenville Rd. - Ste. 210  
Lisle, IL 60532-4352  
[sara.forster@nrc.gov](mailto:sara.forster@nrc.gov)  
Direct: (630) 829-9892  
Facsimile: (630) 515-1078



Dennis Aurand  
(231) 392-8612

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**From:** Aurand, Dennis  
**Sent:** Tuesday, October 24, 2017 3:19 PM  
**To:** 'sarah.forster@nrc.gov' <[sarah.forster@nrc.gov](mailto:sarah.forster@nrc.gov)>  
**Subject:** Update

Please see attached.

Dennis Aurand, MS, DABR®  
Radiation Safety Officer  
Diagnostic Medical Physicist  
Munson Medical Center  
Traverse City, MI  
Ph 231-392-8612

[daurand@mhc.net](mailto:daurand@mhc.net)



MUNSON HEALTHCARE

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