

July 5, 2023

Licensing Assistance Team
Division of Nuclear Materials Safety
US Nuclear Regulatory Commission, Region I
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713

Re: License Number 47-01458-01 – REQUEST FOR ADDITIONAL INFORMATION, MAIL CONTROL NO. 635434

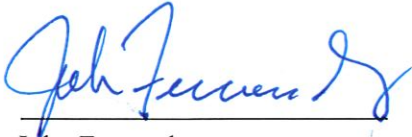
To whom it may concern:

Below are the responses to the request for additional information regarding license notification/amendment requests from letters dated March 30, 2023, and April 6, 2023. The responses are numbered in correspondence to the request letter from the NRC dated June 27, 2023.

1. Consistent with NUREG-1556, Volume 9, Revision 3, "Program Specific Guidance About Medical Use Licenses," Section 8.9.1 "Facility Diagram," please review the following:
 - a) See attached shielding report with workload assumptions and occupancy factors included. Also attached is the coach diagram with lead shielding information.
 - b) The surrounding areas of the PET/CT coach are all exterior.
2. We confirm the same commitments United Hospital Center has made regarding the possession, use, and maintenance of radiation monitoring instruments (NUREG-1556, Volume 9, Revision 3, Section 8.9.2) as well as dose calibrator(s) and other equipment used to measure dosages of unsealed byproduct material (NUREG-1556, Volume 9, Revision 3, Section 8.9.3), will be applied in the same manner at the temporary mobile truck to the use of PET radionuclides inside the United Hospital Center facility.
3. PET radionuclides are not delivered directly to the PET truck. All PET radionuclides are delivered to the PET department hot lab located within the United Hospital Center.
4. b)
 - i. The HDR model specific training will be completed by Dr. Clump prior to the resumption of HDR procedures. Dr. Clump will be scheduled for the manufacturer training later in the year. We understand the NRC will complete the license amendment with Dr. Clump's authorization under 10 CFR 35.400 only at this time.
 - ii. We will provide, once completed, the device-specific training for Dr. Clump consistent with 10 CFR 35.690(c).

Please contact our Radiation Safety Officer, C. Kelly Stoneberg, at (724) 289-0722 or kstoneberg@ohiomedphys.com with any questions or concerns.

Sincerely,

A handwritten signature in blue ink, appearing to read "John Fernandez". The signature is written in a cursive style with a horizontal line underneath.

John Fernandez
Vice President Operations
United Hospital Center

Gamma Scintillation Camera Area Survey

United Mobile PET

April 13, 2023

Location/Suite - Mobile PET

Survey Instrument and Technique

Survey Location Descriptions

Ludlum 14C SN: 183155

Activity used for survey (mCi): 19.6

Clinical Workload

Typical injected activity (mCi): 13
 Average Scan Time (min): 30
 Number of Patients per Week: 45
 Maximum Patients per Hour: 2

Area 1	-	Control Area
Area 2	-	Lift Wall
Area 3	-	East end of truck (hot lab area)
Area 4	-	North Wall
Area 5	-	West Wall (By Building)
Area 6	-	South Wall
Area 7	-	
Area 8	-	
Area 9	-	
Area 10	-	

Controlled Area?

Area 1	Area 2	Area 3	Area 4	Area 5	Area 6
No	No	No	No	No	No

Occupancy

Reading in mR/hr

Dose per Year in mR

Dose Any 1 Hour in mR

Public Dose Met?

	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6
Occupancy	1	0.2	0.2	0.2	1	1
Reading in mR/hr	0.260	0.500	0.020	1.050	0.070	0.140
Dose per Year in mR	72.6	27.9	1.1	58.7	19.6	39.1
Dose Any 1 Hour in mR	0.062	0.119	0.005	0.251	0.017	0.033
Public Dose Met?	Yes	Yes	Yes	Yes	Yes	Yes

This report was completed by:



Josh Johnson, MS, DABR

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Retain report indefinitely