



SAINT LOUIS
UNIVERSITY

1402 South Grand Blvd.
Caroline Building - Room C305
St. Louis, MO 63104
Fax 314-977-5560
www.slu.edu

Office of Environmental Health and Safety
Environmental Safety: 314-977-8608
Radiation Safety: 314-977-8609

April 10, 2013

U.S. Nuclear Regulatory Commission
Region III
Nuclear Materials Licensing Branch
2443 Warrenville Road
Lisle, IL 60532

ATTENTION: Mr. Kevin Null

SUBJECT: SLU NRC License Number 24-00196-07, Docket No. 030-11789; Additional Information to C/N 580023 for Saint Louis University Amendment Request to Permit Use of Licensed Materials in adjoining Cardinal Glennon Children's Hospital.

Dear Mr. Null:

This letter is in response to your phone call on April 3, 2013 and your email (and conversation record dated April 3, 2013) sent on April 4, 2013, requesting additional information relative to Saint Louis University's broad scope license amendment request for authorization to expand the use of licensed materials to SSM Cardinal Glennon Children's Hospital (CGCH), located at 1465 South Grand Blvd., St. Louis, MO 63104-1095. Our request for the license amendment was made in a letter dated February 14, 2013. Our response, below, is keyed numerically to the requests for additional information as stated in your conversation record dated April 3, 2013.

1. We are confirming that licensed material (including radioactive waste that may be generated) will not be stored at CGCH.
2. We are confirming that only diagnostic (35.100 and 35.200 material) unit doses will be transported to and from CGCH, and that no bulk licensed material will be transported to CGCH.
3. We are confirming that the licensed material will only be transported by Saint Louis University Hospital (SLUH) nuclear medicine technologists or SLU approved authorized users.
4. A description of safety precautions that will be taken, including a description of safety equipment that will accompany those who transport material to and from CGCH, includes:
 - a. Placement of the unit dose in a syringe shield.
 - b. Placement of the unit dose in the syringe shield into a shielded syringe transport box with a handle.
 - c. The unit dose in the shielded syringe transport box may be hand carried or a cart may be used to transport it to the CGCH pediatric patient's room (or other CGCH location where the dose is to be administered).
 - d. A survey meter will be available in or near the patient's room (or other location of administration) during the administration, in the unlikely event of a spill or other mishap during the administration of the unit dose.

- e. A spill kit will be available in or near the CGCH location of administration to facilitate prompt clean-up and decontamination in the event of a mishap during injection of the dose. The spill kit will include: absorbent media (e.g. paper towels), decontaminant, disposable gloves, plastic bags of suitable thickness to contain clean-up materials after use, wipe test media and containment for wipe test media after use for wipe test (e.g. assay tubes w/caps), etc. We will modify the contents of the spill kit as we deem appropriate for efficient and effective containment and clean-up of any spills during the transportation or administration of the unit doses, without need for amending the our NRC license.
5. A description of how the material will be transported is addressed in item 4.a., 4b. and 4c. above.
6. In accordance with 10CFR20.1502, we will provide dosimetry for CGCH staff that will be transporting patients if they are likely to exceed 10% of the annual dose limit. Our current assessment, based on SLU Hospital Nuclear Medicine staff technologists' doses not exceeding 10% of the annual dose limit, is that CGCH staff who will be transporting patients on a regular basis are not likely to exceed 10% of the annual dose limit. Therefore, individual monitoring devices are not required.
7. We are confirming that licensed material that may be ordered from a nuclear pharmacy to be used at CGCH will be delivered directly to the Saint Louis University Hospital nuclear medicine department, and not to CGCH.

If you have any questions regarding this license amendment request, please feel free to contact me at 314-977-6885.

Sincerely,



Mark G. Haenchen, M.S., J.D.

Director, Office of Environmental Health and Safety
and Radiation Safety Officer

enclosures

Copies to: Philip O. Alderson, M.D., Vice President for Medical Affairs
Raymond C. Tait, Ph.D., Vice President for Research
Paul M. Loewenstein, B.S., Chairman, Radiation Safety Committee

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Company Saint Louis University

Address 1402 S. Grand Blvd., Env. Safety, C305

City St. Louis

State MO

ZIP 63104

2 Your Internal Billing Reference

1-24705

3 To

Recipient's Name

Mr. Kevin Null

Phone 630 829-9854

Company U.S. Nuclear Regulatory Commission

Address Nuclear Materials Licensing Branch

Address 2443 Warrenville Road

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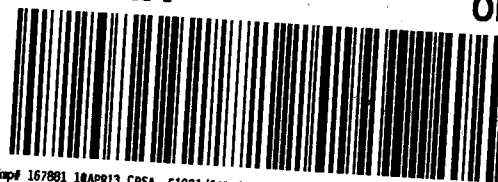
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