

# ST. JOSEPH HOSPITAL

5325 Farraon St. • St. Joseph, MO 64506 • (816) 271-6000

U.S. Nuclear Regulatory Commission  
Regional Licensing Section  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Re: License #24-18287-01

Gentlemen:

The Radioactive Materials License referenced above, issued to St. Joseph's Hospital, 5325 Farraon, St. Joseph, Missouri, should be amended to reflect the items below:

1. St. Joseph's Hospital and Methodist Hospital in St. Joseph, Missouri have combined. The new name for the St. Joseph's Hospital is Heartland Hospital East. The license should be amended to reflect this name change.
2. The Radiation Safety Committee membership has been changed. The new Nurse representative on the committee is Ms. Nancy Hoover.

We would like to have the license changed to indicate that the committee membership will be comprised of representatives from Administration, Nursing, Pathology, X-ray, Nuclear Medicine, and Radiation Physics. The representatives from Administration, Nursing and Pathology change routinely. We wish to have the license amended so that these periodic changes do not have to be reported as license amendments.

3. With the merger of the two facilities an effort is going to be made to utilize the hot lab facility at Methodist Hospital. This facility will prepare kit material and ship it to the East facility in either unit doses or bulk dose. The utilization of a single hot lab facility will substantially reduce the cost between the two hospitals. A letter from the Administrator at the East and West facilities agreeing to this procedure is enclosed.

The initial plan is to have the Heartland Hospital West supply Heartland Hospital East Nuclear Medicine Department with unit doses in a syringe ready to inject. Any kit prepared material licensed under Group II might be transferred from the West facility to the East facility. In addition, long-lived materials such as Xe-133, Yb, Ga, Tl, etc. might be transferred. The activity per syringe to be transferred will depend on the normal prescribed dose at the East facility. There will be no Group VI transfers between these hospitals.

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"Committed to Caring"

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NRC  
BRANCH  
Applicant May 5-11  
Check No. 66324 \$120  
Amount \$120 Category  
Type VEE TC and  
Date Check Rec'd 5/6/85  
Received by [signature]

The procedure for initiating a transfer is for the Nuclear Medicine Technologist at the Heartland Hospital East to call the Heartland Hospital West Nuclear Medicine Department with the doses needed at that time. The technologist at the West facility will then draw up the doses, assay them in the dose calibrator, and place them in individual unit dose shields obtained from Syncor International in Kansas City. The unit doses/shields will be placed in a metal ammunition box which has been labeled that it is containing radioactive materials. There will also be a label placed on the box indicating the material shipped and the activities of each. A radiation survey will be performed at the surface of the container and at three feet. In addition, the outside of the ammunition carrier will be wipe tested and the wipe test counted on the thin end window GM probe. The ammunition carrier(s) will be placed in the trunk of the transporting vehicle. The placement in the trunk is to prevent any unauthorized removal from the vehicle. When the material is received at the Heartland Hospital East Nuclear Medicine Department, the material will be checked for correctness (compound/activity). In addition, a radiation survey will be performed at the surface and at three feet from the container. A wipe test will be performed on the final source containers. After the unit dose shields are removed from the ammunition carrier, a radiation survey will be performed on the carrier to insure that it is not contaminated. If the ordered material was received and the radiation/wipe tests do not reveal any contamination, the transporting vehicle will not be surveyed. If contamination is found on the material or if the received material does not coincide with what was ordered, the vehicle will be surveyed.

The Heartland Hospitals will employ a shared Nuclear Medicine Technologist. The individual will be a certified Nuclear Medicine Technologist. It will be his/her responsibility to transport the material from the West facility to the East facility. This individual will receive training in accordance with 10 CFR 19.12 and decontamination procedures to be followed in event of spills.

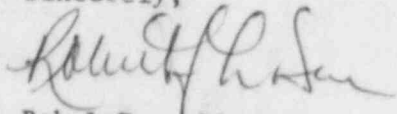
Safety procedures to be followed include having a decontamination kit in the transporting vehicle, having a notice on the dash board of the car informing personnel that radioactive material is contained in the trunk. This notice will indicate who to call in the event of an accident and give a description of the material being transported (unit dose, diagnostic quantity, etc.) The decontamination kit will include gloves, booties, radiation material tape, a cleaning solution, plastic bags, a low level thin end window GM survey meter, and paper towels.)

In the event of an accident, the Nuclear Medicine Technologist will use the low level survey meter to determine whether or not the radioactive material has spilled or become lost. If it has been determined that a spill has occurred, the decontamination kit will be used to contain and clean up the material. The Nuclear Medicine Technologist will call the department supervisor at Heartland Hospital West to inform him of the accident.

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If you have any questions concerning the above items, please do not  
hesitate to call.

Sincerely,

A handwritten signature in cursive script, appearing to read "Bob LaDue".

Bob LaDue, Director  
Radiology Services

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