

CONVERSATION RECORD
(time) (date)

TIME | DATE

1/25/12

VISIT CONFERENCE TELEPHONE

INCOMING
 OUTGOING

NAME OF PERSON(S) CONTACTED OR IN CONTACT
Roger Moroney

ORGANIZATION (OFFICE, DEPT. ETC.)
PETNET

TELEPHONE NO.
865-218-2595

SUBJECT

Summary of meeting with representatives of PETNET and St. Louis University Hospital to discuss air effluent from PETNET's cyclotron production activities being released into a garden area on hospital grounds, and issues pertaining to control of access to the garden area. The visit and topics discussed pertain to C/N 318795 (application for a new cyclotron license from PETNET)

SUMMARY

List of Attendees

PETNET: April Chance, Corporate RSO; Roger Moroney, Health Physicist; Rebecca Smith, Director of Operations; Rita Gentilcore, RSO/staff pharmacist

St. Louis University Hospital: Todd Stirewalt, Associate Administrator; Jay Albin, Security Director; Jeff Dossett, Imaging Director; Hugh Robichaux, Nuclear Medicine manager, St. Louis University

St. Louis University: Mark Haenchen, Director, Office of Environmental Health and Safety/RSO; Felicity Beckfield, Associate RSO

NRC, Region III: Kevin Null, Sr. Health Physicist; Peter Lee, Health Physicist

Purpose of Meeting

To discuss issues pertaining to air effluent that is being released from PETNET's cyclotron operation into a garden area that is located at the St. Louis University hospital, and initiate a dialogue for improvements in the air effluent waste stream to keep doses ALARA, and improvements in controlling access to the garden.

Background

PETNET has been managing and operating a cyclotron and radiopharmacy at the St. Louis hospital since 2001. The cyclotron is owned by St. Louis University (SLU) and is located on the East end of the hospital, and is underground and directly beneath the university hospital garden. SLU initially operated the unit until 2001 when they signed a lease agreement with PETNET to operate and maintain the cyclotron unit for the production of radionuclides (primarily fluorine-18 (F-18)). In the lease agreement, PETNET is responsible for the safe operation and maintenance of the radiopharmacy and cyclotron.

The Energy Policy Act of 2005 redefined "byproduct material" and placed certain naturally occurring and accelerator-produced radioactive material (NARM) under NRC jurisdiction. Further, entities using the new NRC regulated material were required to apply to the NRC for a new license or an amendment to an existing license for authorization of NARM.

In 2009, PETNET applied to the NRC for a new license for the production of NARM material using the cyclotron at SLU. During the review process the NRC was concerned about the location where air effluent from cyclotron operations was being emitted, and the university's and PETNET's control of access to a garden directly above the cyclotron by members of the public.

These topics were discussed during a meeting held on January 25, 2012, at the SLU hospital, and are summarized below. PETNET and SLU representatives agreed to submit both short and long terms plans to address the issues within 90 days from date the license is issued.

Summary of Issues that PETNET and SLU will address

Short term plan will describe:

1. Improvements to the current system to control access to the garden area;
2. Improvements to the current alarming system that notifies hospital security staff when unauthorized entry to the garden area is detected;
3. The method for communicating to PETNET staff when unauthorized entry to the garden area is detected;
4. The method for training and controlling access by garden maintenance staff to assure that they are not unnecessarily exposed to air effluent; and
5. A system that will be used to measure radiation dose in the garden area and at the perimeter of the restricted area until a long term plan to address air effluent from the cyclotron is implemented.

Long term plan will describe:

A proposal for future modifications to the current air effluent system that addresses concerns over the air effluent that is deposited in the hospital garden area, as well as effluent that may enter the hospital through air intakes or opened windows.

ACTION REQUIRED

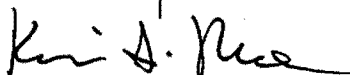
Submit both short and long term plans within 90 days of issuance of the license.

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

Kevin Null



1/27/12

ACTION TAKEN

SIGNATURE

TITLE

DATE