

Cassandra F. Frazier
MATERIALS LICENSING BRANCH



NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351
(630) 829-9830 FAX: (630) 515-1078

CONVERSATION RECORD

|TIME

|DATE

March 9, 2012

NAME OF PERSON(S) CONTACTED |TELEPHONE No.

Kathryn Wilhoff (734) 487-0794

|ORGANIZATION

Eastern Michigan University

SUBJECT

License No.: 21-06885-01 Control No. 576732

SUMMARY

1. As we discussed, we have reviewed the license request dated January 20, 2012, to add Dr. Steven Francoeur as the Permanent Radiation Safety Officer (RSO). Please note that an RSO at a Type B Broad Scope facility should have experience using and supervising a broad spectrum of isotopes, activities, and uses. The RSO's training and experience should be sufficient to identify and control the anticipated radiation hazards. As an applicant for the RSO at a broad scope facility, Dr. Steven Francoeur should have practical experience in certain tasks before being considered acceptable candidates for the position. Therefore we will need additional information regarding his specific training and experience that demonstrates that he is qualified to perform the duties required under Eastern Michigan University license. Please address Dr. Steven Francoeur's specific involvement and experience with the the radiation program and his experience while working with the RSO during the transition period in the following areas:

- Personnel monitoring
- Program Audits
- Bioassay
- Contamination control/ Decontamination
- Investigation of incidents
- Training personnel
- Monitoring and surveys
- Ordering and package receipt
- Instrumentation and calibration
- Material Inventory and accountability
- Radioactive waste disposal
- Transportation; packing, labeling, surveys, etc.
- Approving new uses and users

-
- Audits of all areas and individuals who use byproduct material
 - NRC Regulatory Requirements and Standards
2. Please provide additional information on the Radiation Safety Officer course attended by Dr. Steven Francoeur at Nevada Technical Associates. Include the specific dates of training and an outline of the material studied at the course.
 3. Please provide specific information on Dr. Steven Francoeur's training and experience (this training may have been received in the Radiation Safety Officer course mentioned above). The training should include the following subjects: Radiation Protection Principles; Characteristics of Ionizing Radiation; Units of Radiation Dose and Quantities; Radiation Detection Instrumentation; Biological Hazards of Exposure to Radiation (appropriate to types and forms of byproduct material to be used); and NRC Regulatory Requirements and Standards.\

Also, provide specific information on Dr. Francoeur's formal training and experience (i.e. college degree or equivalent training and experience).

4. Provide Dr. Steven Francoeur's hands-on use of radioactive materials. Note that his use of radioactive materials should be commensurate with the scope of your program.
5. Provide confirmation **from your executive management** that as the RSO, Dr. Steven Francoeur will have full access to all activities involving the use of byproduct material and the authority to terminate any activity in which health and safety appear to be compromised without consulting with executive management or the Radiation Safety Committee, if required.
6. Submit a "Radiation Safety Officer Delegation of Authority" **signed by executive management**. Please see NUREG 1556, Vol. 11, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Licenses of Broad Scope", Appendix J (contains a model "Delegation of Authority" that is acceptable to NRC).
7. Submit a statement delineating the RSO's duties and responsibilities. Also include a statement that Dr. Steven Francoeur understands these duties and responsibilities as the RSO for the Eastern Michigan University license.
8. This is in reference to our conversation regarding continued RSO coverage by your currently **named** RSO Krishnaswamy Rengan. As we discussed, please provide information on the availability of Mr. Rengan regarding your Radiation Safety Program. It is my understanding that Mr. Rengan will be available (via telephone) for consultation and radiation safety oversight and in the case of emergencies. Please confirm.

NOTE: For your information, NUREG-1516, "Management of Radioactive Material

"Safety Programs at Medical Facilities," contains pertinent information on RSOs at
medical facilities with broad scope programs.

**If you have any questions regarding the information requested above,
please contact me at (630) 829-9830 or Cassandra.Frazier@nrc.gov.**

REQUESTED ACTION:

As discussed, please provide a response to the information requested above and indicate that
the information is in response to Mail **Control Number 576732**. **Please note that if you
choose to respond via e-mail, you must submit a signed and dated pdf copy.**

NAME OF PERSON DOCUMENTING
CONVERSATION

SIGNATURE
DATE

March 9, 2012

Cassandra Frazier
