



June 13, 2014

U.S. Nuclear Regulatory Commission
Region III Materials Licensing Branch
2443 Warrenville Road Suite 210
Lisle, IL 60532-4352
FAX: (630)515-1078
Attn: Colleen Carol Casey

**Department of Environmental
Health and Safety**

5110 Rhodes Hall
Kansas City, Missouri 64110-2489
campus@umkc.edu
4147 - Board Building, Room 003

Director
816-235-1167

Administrative Assistant
816-235-5247

Chemical Safety
Coordinator of HazMat
816-235-1832

Environmental Health and Safety
816-235-5267

Radiation Safety
Radiation Safety Officer
816-235-5263

Health Physics
816-235-1244

Waste Management
Sr. Environmental Chemist
816-235-1732

Industrial Safety
Industrial Hygienist
816-235-5241

Fire Safety Inspector II
816-235-1427

**Risk Management and
Workers Compensation**
Coordinator
816-235-5267

Administrative Assistant
816-235-1633

Fax: 816-235-6559

**Subject: Additional Information for Control No. 583429 for License
number 24-00513-37**

Dear Ms. Casey:

The following information is provided in response to your request for additional information for the neutron generator amendment discussed today:

1. Please confirm that, in instances when it is necessary to work in the proximity of the neutron generator soon after it has been operating, appropriate care will be taken because of induced radiation in the generator or in samples, structures or equipment in the vicinity of the generator.
2. Please confirm that the generator and test samples will be monitored before personnel are allowed to approach or work with this equipment.

We confirm that appropriate care will be taken and monitoring will be performed. Administrative and procedural controls addressing Items 1 and 2 (above) are explicitly written into Standard Operating Procedures (pages 5 and 6) submitted as Attachment C in the communication dated March 17, 2014.

3. Please describe the fire protection considerations for this device, as it cannot be expected to withstand either a major fire or explosion.

This building is fitted with a wet sprinkler system and with smoke detection devices as part of the wet sprinkler system. If the sprinkler system is activated, alarms are activated at the Campus Police Dispatch which is manned 24 hours/day year-round. Fire extinguishers are located in or near these rooms. UMKC Campus Police are trained in emergency procedures for laboratories on

campus and how to contact Division of Radiation Safety staff in the event of such emergencies. This information is reviewed as a unit periodically when EHS resources are covered. The University has a Memorandum of Understanding (MOU) with the Kansas City Missouri Police Department. The University does not have its own Fire Department. The University has a MOU with the Kansas City Missouri Fire Department, which has trained Hazardous Materials Response units.

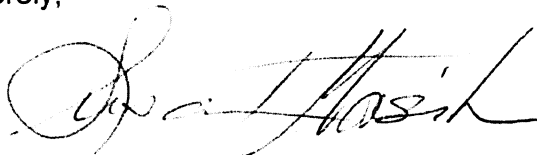
1. Please confirm that the generator tubes will only be replaced and installed as a unit by Thermo MF Physics technicians.

We confirm that the generator tubes will only be replaced and installed as a unit by Thermo MF Physics technicians.

If you have any questions concerning this, please feel free to contact us at any time. The contact person for this would be our Radiation Safety Officer, Susan T. Masih. She can be reached at phone number 816-235-5289, or by email at masihs@umkc.edu.

We appreciate the care taken in this review of our amendment request for license number 24-00513-37. Thank you for your attention and assistance in this matter.

Sincerely,



Susan T. Masih, Health Physicist
State of Missouri Q. E. # 063
UMKC Radiation Safety Officer
EHS Dept., Division of Radiation Safety

Cc: Lawrence Dreyfus, Ph.D, Vice chancellor for Research,
Institutional Official, UMKC
Antony Caruso, Ph.D., UMKC Radiation Safety Committee Chair

Casey, Colleen

From: Masih, Susan T. <MasihS@umkc.edu>
Sent: Friday, June 13, 2014 5:54 PM
To: Casey, Colleen
Attachments: 2014_06_13_NRCresponse.pdf

Dear Ms Casey:

As per our phone conversations this afternoon; I hope this will enable you to complete your evaluation.
(We have a new scanner in the EHS dept. I'm learning to use.)

Be safe--

Have a good weekend

Sincerely,

Susan T. Masih

Susan T. Masih, Health Physicist
UMKC Radiation Safety Officer
UMKC EHS

State of MO QE 063, exp. 1.2.2015

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