



DEPARTMENT OF THE ARMY
UNITED STATES ARMY AVIATION AND MISSILE COMMAND
5300 MARTIN ROAD
REDSTONE ARSENAL AL 35898-5000

JL
Additional Info.

January 6, 2012

Radiation Standards Laboratory

SUBJECT: Additional Information Concerning Application for Amendment to License
01-00126-16, Control No. 576424

Licensing Assistance Team
Division of Nuclear Materials Safety
ATTN: Mr. Dennis Lawyer
US Nuclear Regulatory Commission, Region 1
475 Allendale Road
King of Prussia, Pennsylvania 19404-1415

RECEIVED
REGION 1
2012 JAN 10 AM 10:20

Dear Mr. Lawyer:

This is in response to your letter dated December 6, 2011, requesting additional information for our request for an exemption to the interlock requirement of Title 10, Code of Federal Regulations Part 36.23(c). The information requested is provided below:

- a. The exemption is needed to ensure full compliance with NRC requirements for part 36 beam irradiators. The requirements stress that the interlocks must lock the doors and prevent entry when the dose rate is high.
- b. Locking the door to prevent entry is not feasible because there is only one door into the calibration chamber. In the event that the source gets stuck, there would be no way to fix the calibrator without over-riding the interlock. In addition, this interlock would disable our ability to check the other interlocks in the room. If the source gets stuck in the operating position, the manufacturer would be called in to rectify the situation.
- c. We have an electrical interlock system that retracts the source upon opening the door to the calibration chamber. We check the operation of that interlock at least quarterly. We have an operational radiation monitor in the calibration chamber that alerts the operator when the radiation levels are high. We always have a trained operator monitoring the calibrator when the source is being used.

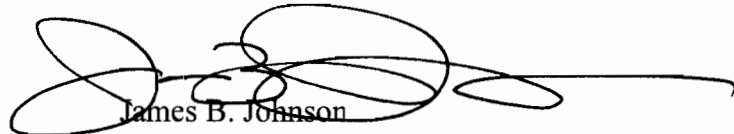
All of the commitments discussed above are part of our routine operating procedures and have been followed since the irradiator was placed in operation on September 24, 1996.

576424
NMSS/RGN1 MATERIALS-002

-2-

The point of contact for this action is Mr. Stephen Howard, Radiation Safety Officer (RSO), phone: 256-876-5593, e-mail: stephenv-howard@us.army.mil, or Mr. David Walsh, Alternate RSO, phone: 256-876-7603, e-mail: david.m.walsh@us.army.mil.

Sincerely,

A handwritten signature in black ink, appearing to read "James B. Johnson", with a long horizontal flourish extending to the right.

James B. Johnson
Executive Director
US Army Test, Measurement, and Diagnostic
Equipment Activity