



ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE  
8901 WISCONSIN AVENUE  
BETHESDA, MARYLAND 20889-5603



November 2, 2016

Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

50-170

SUBJECT: Response to NRC GENERIC LETTER 2016-01: MONITORING OF NEUTRON-ABSORBING MATERIALS

Dear Sir or Madam:

As requested by NRC GENERIC LETTER 2016-01: MONITORING OF NEUTRON-ABSORBING MATERIALS, the Armed Forces Radiobiology Research Institute (AFRRI) Docket 50-170 license R-84 submits the following information:

The AFRRI does not possess a fuel storage pool or spent fuel pool, nor do we have neutron absorbing material outside of the reactor core so this generic letter does not apply.

- (1) Are neutron-absorbing materials used in a reactor pool, fuel storage pool, or other wet locations designed for the storage of reactor or spent fuel?

NO

- (2) If neutron-absorbing materials are used, is their use credited in the licensing or design basis (i.e., criticality safety analysis) for the storage of reactor fuel or spent fuel in a reactor pool, fuel storage pool, or other wet locations, as applicable?

N/A

- (3) If neutron-absorbing materials are credited in the facility licensing or design basis for the storage of reactor or spent fuel in a reactor pool, fuel storage pool, or other wet locations, as applicable, then provide a description of, and technical basis for, any surveillance or monitoring programs used to confirm continued acceptable performance of the neutron-absorbing materials over time.

N/A

If you need further information, please contact Mr. Steve Miller at 301-295-9245 or [stephen.miller@usuhs.edu](mailto:stephen.miller@usuhs.edu).

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge. Executed on November 2, 2016.

MILLER.STEPH  
EN.I.12293205  
10  
Stephen Miller  
Reactor Facility Director

Digitally signed by  
MILLER.STEPHEN.I.1229320510  
DN: cn=US, o=U.S. Government,  
ou=DoD, ou=PKI, ou=OSD,  
cn=MILLER.STEPHEN.I.1229320510  
Reason: I am the author of this  
document  
Date: 2016.11.10 15:19:23 -0500

A020  
A158  
NRR