

October 10, 2017.

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Mail Station P1-37  
Washington, DC 20555-0001

REFERENCE: Docket 50-186  
University of Missouri-Columbia Research Reactor  
Renewed Facility Operating License No. R-103

SUBJECT: Request for a 60-day extension to respond to the "University of Missouri at Columbia – Request for Additional Information Re: License Amendment Request to Implement Selective Gas Extraction Target Experimental Facility at the University of Missouri Research Reactor (CAC No. MF9524)," dated September 7, 2017

By letter dated May 3, 2017, the University of Missouri Research Reactor (MURR) submitted a license amendment request (LAR) to the U.S. Nuclear Regulatory Commission (NRC) in order to conduct an experiment that would produce molybdenum-99 (Mo-99) in large quantities as part of its role in supplying critical medical radioisotopes to the domestic and international community. The experiment would utilize General Atomics' (GA) Selective Gas Extraction (SGE) process, which consists of irradiating target rods containing low-enriched uranium (LEU) pellets in the reactor graphite reflector region in order to produce fission product Mo-99. The Mo-99 would then be extracted from the LEU in dedicated hot cells using the SGE technology.

By letter dated June 19, 2017, MURR submitted two (2) attachments of additional technical information to supplement the May 3, 2017, submittal to further assist the NRC in review of the LAR.


By letter dated September 7, 2017, the NRC identified items in the proposed LAR that require additional information and clarification with a request to provide responses by October 7, 2017, 30 days from the issuance of the letter.

Based on the complexity of some of the questions that require additional analyses, and the required time for the MURR safety committees to review the responses prior to submittal to the NRC, MURR is formally requesting an extension of 60 days from the October 7, 2017, date; a new response date of December 6, 2017.

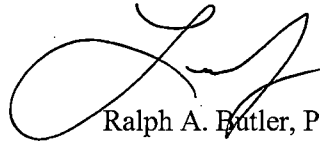
ADZD  
NRR

If there are questions regarding this letter, please contact me at (573) 882-5118.

Sincerely,

  
Bruce Meffert  
Reactor Manager

ENDORSEMENT:  
Reviewed and Approved

 FOR RALPH BUTLER  
Ralph A. Butler, P.E.  
Director

xc: Reactor Advisory Committee  
Reactor Safety Subcommittee  
Isotope Use Subcommittee  
Dr. Mark McIntosh, Vice Chancellor for Research, Graduate Studies and Economic Development  
Mr. Alexander Adams Jr., U.S. Nuclear Regulatory Commission  
Mr. Geoffrey A. Wertz, U.S. Nuclear Regulatory Commission  
Mr. Johnny Eads, U.S. Nuclear Regulatory Commission