

April 19, 2017

Mr. Ralph A. Butler, Executive Director
University of Missouri-Columbia
Research Reactor Center
1513 Research Park Drive
Columbia, MO 65211

SUBJECT: UNIVERSITY OF MISSOURI RESEARCH REACTOR - REQUEST FOR
WITHHOLDING INFORMATION FROM PUBLIC DISCLOSURE
(CAC NO. MF9524)

Dear Mr. Butler:

By letter dated March 27, 2017 (Agencywide Documents Access and Management System (ADAMS) Accession Nos. ML17089A228, and ML17089A229), the University of Missouri Research Reactor (MURR), submitted a license amendment request (LAR) to produce molybdenum-99 using the General Atomics, Selective Gas Extraction process, which included an affidavit executed by Keith E. Asmussen, which requested that information contained in the following documents be withheld from public disclosure pursuant to the Title 10 of the *Code of Federal Regulations* (10 CFR), Section 2.390:

1. Attachment 1, License Amendment Request to Implement SGE Target Experiment Facility (TEF) at the University of Missouri Research Reactor
2. Attachment 4, GA Report 30441R00021: "Target Assembly Thermal Analysis"
3. Attachment 5, GA Report 30441R00022: "Source Term Analysis Design Calculation Report"
4. Attachment 6, GA Report 30441R00031: "Mo-99 Target Assembly Nuclear Design for Once-Through Operation"
5. Attachment 7, GA Report 30441R00032: "RELAP Accident Analysis and FRAPTRAN Target Rod Transient Analysis Design Calculation Report"
6. Attachment 8, GA Report 30441R00017: "ANSYS Target Cartridge, Housing Structural Analysis Design Calculation Report"

Section 2.390(b)(1)(iii) of 10 CFR Part 2 of the Commission's regulations requires that each supporting affidavit contain a full statement of the reasons for claiming the information should be withheld from public disclosure. The section further requires the statement to address with specificity the considerations listed in 10 CFR 2.390(b)(4).

The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed your application and affidavit in accordance with the requirements of 10 CFR 2.390. The NRC staff has concluded that insufficient justification was provided to determine that all of the information sought to be withheld from public disclosure was proprietary information.

The NRC staff found numerous examples where information in the public version was designated proprietary (redacted) which had already been made publicly available in the meeting presentation provided by MURR at the February 13, 2017, NRC public meeting (ADAMS Accession No. ML17041A074). The NRC staff found that the proprietary information was not marked in accordance with the requirements in 10 CFR 2.390(b)(1)(i)(B) to indicate the basis for the proprietary nature of the information. The NRC staff also noted that the public (redacted) version of the LAR was not the same revision as the proprietary version since the redaction process had been performed prior to the final review and approval of the LAR by the licensee. The NRC staff also noted that the affidavit statement that, "essentially each and every page of these documents (items 1 through 6, referenced above) contains proprietary material developed by General Atomics, and for General Atomics by its partners MURR and Nordion that is "confidential," "proprietary," "business sensitive" and/or "trade secret," was not supported by the redacted versions provided, since not every page contained proprietary (redacted) information. Additionally, item no. (5) in the affidavit stated that, "Some examples categories of information which fit into the definition of proprietary information," implied that other categories existed, but were not listed.

These issues were discussed with your staff during our telephone conversation conducted on April 17, 2017, and you indicated that you understood the issues and would respond accordingly.

As such, the NRC staff has concluded that the information sought to be withheld from public disclosure does not meet the requirements of 10 CFR 2.390. Please respond within 30 days of the receipt of this letter to inform the staff of your plans for revising your LAR and withholding proprietary information request, to resolve the identified deficiencies as described above.

If you have any questions regarding this review, please contact me at (301) 415-0893 or electronic mail at Geoffrey.Wertz@nrc.gov.

Sincerely,

/RA Alexander Adams Jr., Acting For

Geoffrey A. Wertz, Project Manager
Research and Test Reactors Licensing Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Docket No. 50-186

cc: See next page

University of Missouri-Columbia

Docket No. 50-186

cc:

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ADAMS Accession No.: ML17108A809; *concurred via email**NRR-088**

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