

February 16, 2017

LICENSEE: UNIVERSITY OF MISSOURI-COLUMBIA RESEARCH REACTOR

SUBJECT: SUMMARY OF FEBRUARY 13, 2017, PUBLIC MEETING WITH THE
UNIVERSITY OF MISSOURI-COLUMBIA RESEARCH REACTOR
CONCERNING THE PROPOSED EXPERIMENTAL FACILITY TO PRODUCE
MOLYBDENUM-99 (CAC NO. A11010)

On February 13, 2017, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of the University of Missouri-Columbia Research Reactor (MURR) at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to discuss the technical and licensing considerations associated with the proposed experimental facility for producing Molybdenum-99 (Mo-99) using the General Atomics' Selective Gas Extraction process at MURR. A portion of this meeting was closed to the public to discuss proprietary information related to the specifics of design and operation of the proposed project. The meeting notice and agenda, dated January 25, 2017, are available in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML17025A057. A list of meeting attendees is provided as an enclosure.

MURR representatives provided an update of information provided at the previous public meeting conducted on June 2, 2016. The licensing approach proposed by MURR indicated that a two-part application would be submitted to the NRC, the first part for the reactor in-pool activities and the second part for the ex-pool activities. MURR indicated that they did not think that a construction permit would be required, there would be no change to MURR's licensed power limit of 10 megawatts, and no change in the status of the current license as a Class 104 (c). MURR provided a basis for each licensing position in their presentation. MURR also provided additional technical details on the target assemblies, target processing, target material, the k-effectives of the target assemblies, and a description and details of the in-pool cooling system for the target assemblies.

In addition, MURR provided responses to the NRC staff letter, dated February 2, 2017 (ADAMS Accession No. ML17024A316), in the public portion of the meeting, and the remainder in the closed (proprietary) session. A copy of the MURR presentation (public meeting only) can be found in ADAMS Accession No. ML17041A074. MURR indicated that they were not expecting any further written response from the NRC regarding its January 17, 2017, letter. MURR also indicated that they will request further clarification on the applicability of regulations and licensing processes, if needed, via a separate correspondence at a later date.

During the closed portion of the meeting, MURR went into proprietary-level detail related to the specific design and operation of the proposed Mo-99 production process. Please direct any inquiries to me at 301-415-0893, or Geoffrey.Wertz@nrc.gov.

Sincerely,

/RA Alexander Adams acting for/

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

Docket No. 50-186

Enclosure:
As stated

cc: w/enclosure

SUMMARY OF FEBRUARY 13, 2017, PUBLIC MEETING WITH THE UNIVERSITY OF MISSOURI-COLUMBIA RESEARCH REACTOR CONCERNING THE PROPOSED EXPERIMENTAL FACILITY TO PRODUCE MOLYBDENUM-99 (CAC NO. A11010)
DATED: February 16, 2017

DISTRIBUTION:

PUBLIC	LTran, NRR	MBalazik, NRR
PRLB r/f	RidsNrrDprPrta	GWertz, NRR
RidsACRS_MailCTR	AAdams, NRR	RidsOgcMailCenter
SLynch, NRR	RidsOpaMailCenter	RidsNrrDprPrtb
NParker, NRR		

ADAMS Accession No.: ML17044A389; *concurred via email

NRC-001

OFFICE	NRR/DPR/PM*	NRR/DPR/LA*	NRR/DPR/BC	NRR/DPR/PM
NAME	GWertz	NParker	AAdams	GWertz (AAdams for)
DATE	2/14/17	2/14/17	2/16/17	2/16/17

OFFICIAL RECORD COPY

University of Missouri-Columbia

Docket No. 50-186

cc:

Les Foyto, Associate Director
Reactor and Facilities Operations
University of Missouri - Columbia
Research Reactor Center
1513 Research Park Drive
Columbia, MO 65211

Homeland Security Coordinator
Missouri Office of Homeland Security
P.O. Box 749
Jefferson City, MO 65102

Planner, Dept of Health and Senior Services
Section for Environmental Public Health
P.O. Box 570
Jefferson City, MO 65102-0570

Deputy Director for Policy
Department of Natural Resources
1101 Riverside Drive
Fourth Floor East
Jefferson City, MO 65101

A-95 Coordinator
Division of Planning
Office of Administration
P.O. Box 809, State Capitol Building
Jefferson City, MO 65101

Test, Research and Training
Reactor Newsletter
P.O. Box 118300
University of Florida
Gainesville, FL 32611

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

LIST OF ATTENDEES

FEBRUARY 13, 2017 MEETING WITH UNIVERSITY OF MISSOURI-COLUMBIA

RESEARCH REACTOR

9:00 A.M - 12:00 P.M.

<u>Name</u>	<u>Organization</u>
Ralph Butler	University of Missouri Research Reactor
Les Foyto	University of Missouri Research Reactor
Ken Brooks	University of Missouri Research Reactor
Michael Flagg	University of Missouri Research Reactor
Tom Poindexter	Morgan Lewis
Jeff Bartelme	SHINE Medical Technologies, Inc.
Janet Schlueter	Nuclear Energy Institute
Carolyn Haass	Northwest Medical Isotopes, Inc.
Mike Corum	Northwest Medical Isotopes, Inc.
Ian Turner	Coqui Pharma
Steven Lynch	U.S. Nuclear Regulatory Commission
Linh Tran	U.S. Nuclear Regulatory Commission
Michael Balazik	U.S. Nuclear Regulatory Commission
Kevin Folk	U.S. Nuclear Regulatory Commission
Bill Rautzen	U.S. Nuclear Regulatory Commission
Mitzi Young	U.S. Nuclear Regulatory Commission
David Tiktinsky	U.S. Nuclear Regulatory Commission
Alexander Adams	U.S. Nuclear Regulatory Commission
Yawar Faraz	U.S. Nuclear Regulatory Commission
Eben Allen	U.S. Nuclear Regulatory Commission
Donna-Beth Howe	U.S. Nuclear Regulatory Commission
Carl Weber	U.S. Nuclear Regulatory Commission
Geoffrey Wertz	U.S. Nuclear Regulatory Commission
Patricia Pelke	U.S. Nuclear Regulatory Commission
Lisa London	U.S. Nuclear Regulatory Commission
Robert Hoffman	U.S. Nuclear Regulatory Commission
Cathy Kanatas	U.S. Nuclear Regulatory Commission
Richard Jervey	U.S. Nuclear Regulatory Commission
David Drucker	U.S. Nuclear Regulatory Commission
Cassandra Frazier	U.S. Nuclear Regulatory Commission

Enclosure