

September 23, 2014

APPLICANT: Coqui Radio Pharmaceuticals, Corp.

SUBJECT: SUMMARY OF AUGUST 12, 2014, MEETING WITH COQUI RADIO PHARMACEUTICALS, CORP. TO DISCUSS THE POTENTIAL APPLICATION FOR A MEDICAL ISOTOPE PRODUCTION FACILITY

On August 12, 2014, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of Coqui Radio Pharmaceuticals, Corp. (Coqui) at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the meeting was for Coqui to provide NRC staff with more information on topics relating to the status of the Medical Isotope Production Facility (MIPF) project. Specifically, Coqui presented on its licensing strategy, facility design requirements, and environmental report. The entire meeting was open to the public. A list of the attendees is enclosed.

The NRC staff opened the meeting by providing Coqui with a few remarks about the importance of continued engagement and open communication with the NRC as the construction permit application is developed. These qualities are important to developing a high-quality application that the NRC staff will be able to review in a timely and efficient manner. NRC staff also stressed the importance of responding to requests for additional information in a timely manner. The NRC staff understands Coqui intends to submit a construction permit application consisting of an environmental report and a preliminary safety analysis report in mid-2015 and is prepared to effectively review the application.

Coqui presented an overview of the MIPF project, including the details on its licensing strategy, MIPF description, design requirements, conduct of operations, accident analysis, and environmental report (Agencywide Documents Access and Management System (ADAMS) Accession Nos. ML14220A450 and ML14220A451). Coqui is working with several other companies, including INVAP as the designer and general contractor; Hogan Lovells as the nuclear regulatory and environmental attorneys; Gresham, Smith and Partners as consultants for environmental report preparation; and ENERCON as consultants for preparation of the construction permit application. Coqui is planning on constructing and operating the MIPF in Alachua, Florida, near the University of Florida. The MIPF will consist of two pool-type material testing reactors each operating at power levels below 10 megawatts and will use low enriched uranium fuel and targets to produce molybdenum-99. The planned production capacity for the MIPF is 7,000 six-day curies per week. Aside from the two reactors, the Coqui facility will also have a radioisotope processing plant, a waste management plant, and support offices. Coqui is currently preparing a construction permit application and intends to submit this application, in its entirety, in mid-2015.

Coqui began its technical presentation by covering details of the design criteria of its proposed facility, discussing three proposed safety classifications for structures, systems and components within the facility. In addition to safety classifications, Coqui provided details on seismic design

criteria, proposing two seismic levels and three seismic categories. The presentation next covered preliminary design parameters of the reactors, including neutronic and thermal hydraulic considerations. This was followed by a high-level discussion of the equipment comprising the radioisotope production facility and Coqui's plans for engineered safety features, instrumentation and control, and conduct of operations. The technical presentation concluded with an overview of Coqui's accident analysis methodology. At the conclusion of this presentation, NRC staff had questions regarding fuel shipments and quantities of fuel stored on site.

The second portion of Coqui's meeting focused on providing an update on the preparations of an environmental report. Topics covered during this portion of the meeting related to land use and visual resources; air quality and noise; severe weather; water resources; historic and cultural resources; socioeconomic data; human health and waste management.

Several members of the public were in attendance at this meeting. One public comment was provided on quantities of fuel to be stored on site at the Coqui facility. The NRC staff concluded the meeting by encouraging Coqui to continue communication with NRC during the development of its application and to focus on a high quality application to ensure a timely process.

Please direct any inquiries to Steven Lynch at 301-415-1524 or Steven.Lynch@nrc.gov.

/RA/

Steven T. Lynch, Project Manager
Research and Test Reactors Licensing Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 0786

Enclosure:
List of Attendees

cc w/encl.: See next page

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ADAMS Accession Nos.: Notice: ML14203A022; Summary: ML ML14260A313;
Slides Pkg.: ML14220A447 *via email NRC-001

OFFICE	DPR/PRLB/PM	DPR/LA*	DPR/PRLB/BC	DPR/PRLB/PM
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DATE	09/16/2014	09/22/2014	09/23/2014	09/23/2014

OFFICIAL RECORD COPY

Coqui Radio Pharmaceuticals, Corp.

Project No. 0786

cc:

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LIST OF ATTENDEES
AUGUST 12, 2014, MEETING WITH COQUI RADIO PHARMACEUTICALS, CORP.

<u>Name</u>	<u>Organization</u>
Carmen Bigles	Coqui Radiopharmaceuticals Corp.
Mike Laggart	Enercon Services
Blair Everett	Gresham, Smith and Partners
Amy Roma	Hogan Lovells
Matthew Tynan	Hogan Lovells
Veronica Garea	INVAP
Kevan Crawford	Precision Engineering Consultants, Inc.
Dan Cronin	University of Florida Training Reactor
Lawrence Kokajko	U.S. Nuclear Regulatory Commission (NRC)
Mary Adams	NRC
Steve Lynch	NRC
Linh Tran	NRC
Robert Hoffman	NRC
Nancy Martinez	NRC
Victoria Huckabay	NRC
Russell Chazell	NRC
Alex Sapountzis	NRC
Maria Guardiola	NRC
Michelle Moser	NRC
William Schuster	NRC
Mitzi Young	NRC
Michael Rodriguez	NRC
Larry Harris	NRC
Tim Harris	NRC
Eben Allen	NRC
Elizabeth Smiroldo	NRC
Carl Weber	NRC
Jorge Cintron	NRC
Soly Soto	NRC
Leira Cuadrado	NRC
Donna-Beth Howe	NRC
Naomi Lisse	NRC
William Rautzen	NRC
Deborah Seymour	NRC
Patrick Boyle	NRC
Cassandra Frazier	NRC
Matthew Panicker	NRC
William Gloersen	NRC

Enclosure