

July 30, 2013

POTENTIAL APPLICANT: Eden Radioisotopes, LLC

SUBJECT: SUMMARY OF JUNE 24, 2013, MEETING WITH EDEN
RADIOISOTOPES, LLC REGARDING MEDICAL ISOTOPE
PRODUCTION (TAC NO. ME2287)

On June 24, 2013, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of Eden Radioisotopes, LLC (Eden) at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of this meeting was for Eden to introduce its proposed medical radioisotope production project. A portion of this meeting was closed to the public to discuss proprietary information related to the specifics of design and operation of Eden's proposed medical radioisotope production facility. A list of attendees is provided as an enclosure.

Eden opened the meeting with a discussion of its history and the origin of its proposed technology at Sandia National Laboratories. This was followed by a brief introduction by NRC staff emphasizing that the NRC will provide an effective and efficient review of an application submitted by Eden. However, the success of the review will be highly dependent on the quality of the application submitted. While reviewing the application, NRC staff committed to only developing thoughtful requests for additional information. NRC staff also encouraged Eden to begin engaging local stakeholders potentially impacted by its proposed project.

Following these introductory remarks, Eden began its presentation, beginning with a description of the status of molybdenum-99 (Mo-99) in the world. Eden then described its approach to Mo-99 production: a water-moderated and cooled all-target reactor. The proposed reactor design will operate utilizing low-enriched uranium-oxide fuel and neutral or negative reactivity feedback. The presentation then shifted to a high-level discussion of the fuel pellet, fuel pin, target assembly, and facility designs. The open portion of the meeting concluded with a dialogue on licensing and reactor and fuel qualifications. Further details on this discussion are included in the presentation slides, which are located in the NRC's Agencywide Documents Access and Management System (ADAMS), Accession No. ML13144A084.

Eden Radioisotopes, LLC

- 2 -

During the portion of the meeting closed to the public to discuss proprietary information, Eden presented material on driver fuel.

No members of the public participated in this meeting.

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

/ RA Xiaosong Yin Acting for /

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

Project No. PROJ0802

Enclosure:
List of Attendees

cc w/encl: Bennett J. Lee
Chief Executive Officer
Eden Radioisotopes, LLC
1508 Dartmouth Ave NE
Albuquerque, NM 87106

Eden Radioisotopes, LLC

- 2 -

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**ADAMS Accession Nos. Pkg: ML13207A271, Notice: ML13161A280, MtgSummary: ML13207A268, Slides Pkg: ML131440055
NRC-001**

OFFICE	DPR/PRLB/PM	DPR/PRLB/LA	DPR/PRLB/LA	DPR/PRLB/BC	DPR/PRLB/PM
NAME	SLynch	PBlechman	GLappert	AAdams (LTran for)	SLynch (XYin for)
DATE	07/24/2013	7/29/2013	7/29/2013	7/30/2013	7/30/2013

OFFICIAL RECORD COPY

LIST OF ATTENDEES

JUNE 24, 2013, MEETING WITH EDEN RADIOISOTOPES, LLC REGARDING
MEDICAL ISOTOPE PRODUCTION

<u>Name</u>	<u>Organization</u>
Bennett Lee	Eden Radioisotopes, LLC
Milton Vernon	Eden Radioisotopes, LLC
Steve Lynch	U.S. Nuclear Regulatory Commission
Linh Tran	U.S. Nuclear Regulatory Commission
Alexander Adams	U.S. Nuclear Regulatory Commission
Mary Adams	U.S. Nuclear Regulatory Commission
Lawrence Kokajko	U.S. Nuclear Regulatory Commission
Xiaosong Yin	U.S. Nuclear Regulatory Commission
Emily Larson	U.S. Nuclear Regulatory Commission
Marcus Voth	U.S. Nuclear Regulatory Commission
Mitzi Young	U.S. Nuclear Regulatory Commission
Sarah Price	U.S. Nuclear Regulatory Commission
Geoff Wertz	U.S. Nuclear Regulatory Commission
Cassandra Frazier	U.S. Nuclear Regulatory Commission
Alex Sapountzis	U.S. Nuclear Regulatory Commission
Mathew Panicker	U.S. Nuclear Regulatory Commission
Maitri Banerjee	U.S. Nuclear Regulatory Commission
Gina Davis	U.S. Nuclear Regulatory Commission
Maggie Watford	U.S. Nuclear Regulatory Commission
Michelle Moser	U.S. Nuclear Regulatory Commission
Maria Guardiola	U.S. Nuclear Regulatory Commission
Bernie White	U.S. Nuclear Regulatory Commission
Cathy Kanatas	U.S. Nuclear Regulatory Commission
Donna-Beth Howe	U.S. Nuclear Regulatory Commission
Mark Blumberg	U.S. Nuclear Regulatory Commission
Deborah Seymour	U.S. Nuclear Regulatory Commission
Kimberly Gambone	U.S. Nuclear Regulatory Commission
Dan Barss	U.S. Nuclear Regulatory Commission
Jim Lynch	U.S. Nuclear Regulatory Commission

Enclosure