



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 11, 2024

MEMORANDUM TO: Samantha Crane Lav, Chief
Fuel Facility Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

FROM: Jenny Tobin, Project Manager
Fuel Facility Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

A handwritten signature in cursive script that reads "Jenny Tobin".

Signed by Tobin, Jennifer
on 03/11/24

SUBJECT: SUMMARY OF FEBRUARY 21, 2024, MEETING WITH THE
UNIVERSITY OF PURDUE TO DISCUSS THE DRAFT REQUEST FOR
ADDITIONAL INFORMATION REGARDING LICENSE RENEWAL
APPLICATION

The U.S. Nuclear Regulatory Commission (NRC) staff conducted a virtual meeting with representatives of the University of Purdue (Purdue) on February 21, 2024. The meeting consisted of a public session followed by a closed session for the purpose of generally discussing the draft NRC staff request for additional information (RAI) regarding Purdue's license renewal application dated September 18, 2023. The meeting was conducted in accordance with the guidance in NRC Management Directive 3.5, "Attendance at NRC Staff-Sponsored Meetings," and the guidance in Division Instruction LIC-FM-3, "Requests for Additional Information," Revision 0, section 2.9, "Issuing the RAI." Section 2.9.1, "Interactions with the Applicant Prior to Issuing the RAI," item a) of LIC-FM-3 state that "...prior to issuing the RAI, the project manager should schedule a conference call with the applicant to discuss the draft RAI and ensure there is clear understanding of what is needed for an appropriate response by the applicant."

S. Lav

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I am enclosing the meeting summary for your use. The summary contains no proprietary or sensitive information and has been reviewed by both, NRC and Purdue staffs, for factual correctness.

Docket No. 70-0152
License No. SNM-142

Enclosure:
Summary of February 21, 2024, Meeting with Purdue

cc: Joshua Young, University of Purdue

SUBJECT: SUMMARY OF FEBRUARY 21, 2024, MEETING WITH THE UNIVERSITY OF PURDUE TO DISCUSS THE DRAFT REQUEST FOR ADDITIONAL INFORMATION REGARDING LICENSE RENEWAL APPLICATION

DATED: March 11, 2024

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NAME	JTobin	JGoodridge	SLav	JTobin
DATE	3/01/2024	3/01/2024	3/11/2024	3/11/2024

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Summary of Meeting with University of Purdue

Date and Time: February 21, 2023, 2:00 - 3:15 PM

Call Participants:

U.S. Nuclear Regulatory Commission (NRC)

O. Siurano, Office of Nuclear Material Safety and Safeguards (NMSS)
J. Chang, NMSS
N. Cortés, NMSS
J. Rudd, NMSS
H. Felsher, NMSS
E. Goldfeiz, NMSS
E. Tabakov, NMSS
S. Lav, NMSS
M. Morales, NMSS
J. Munson, NMSS
M. Norris, Office of Nuclear Security and Incident Response (NSIR)
C. Teal, NSIR
R. Craffey, Region III
J. Tobin, NMSS

Purdue University (Purdue):

J. Young
N. Claus
S. Chatzidakis
P. Juristyarini

Background

By letter dated September 18, 2023 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML23268A087), the University of Purdue submitted an application to the NRC for the renewal of special nuclear materials license number 142 (SNM-142). The NRC staff conducted an acceptance review of Purdue's license renewal application (LRA) and, by letter dated December 13, 2023 (ML23324A448), accepted Purdue's submittal for detailed technical review.

The NRC staff's review identified additional information that was still needed before final action on the LRA could be taken. The NRC staff developed a request for additional information (RAI, ML24032A473) and, in accordance with the guidance in Division Instruction LIC-FM-3, "Requests for Additional Information," on December 2, 2023, transmitted via e-mail a draft of the RAI to Purdue. The transmittal included an offer to Purdue for an opportunity to generally discuss the RAIs, via phone call, prior to their issuance. The purpose of the call is to ensure mutual understanding, by both the applicant and the NRC staff, of the questions in the RAI and to ensure Purdue staff could adequately provide their responses. Following its preliminary review of the draft RAIs, Purdue accepted the offer to discuss the RAIs. The NRC staff conducted the call as a partially closed public meeting; however, no members of the public were in attendance for the open portion of the public meeting.

Enclosure

On February 21, 2024, NRC conducted a partially closed public meeting to generally discuss the draft RAIs with Purdue staff prior to issuance. Eight RAIs in the topical areas of emergency preparedness (EP), waste management, material control & accounting (MC&A), and criticality safety were discussed during the open portion of the public meeting. Two RAIs concerning fire protection were discussed during the closed portion of the public meeting due to detailed information about the location of special nuclear material. Based on the discussions during the meetings, only two of the draft RAIs (on fire safety and emergency preparedness, respectively) needed revision. The EP RAI clarification was needed to specify that Purdue should provide specific analysis that an emergency plan (e-plan) is not needed or to clarify which portions of the Purdue e-plan were applicable to the SNM license. The fire protection RAI clarification was needed specify that information to be submitted about fire protection features should include details about fire protection barriers in both the Duncan annex and the physics building. The purpose of the discussions was to ensure Purdue staff understood the requirements and information needed in the renewal application for the topical areas that NRC staff identified.

NRC staff revised the two RAIs identified above to improve clarity and issued the final RAIs to Purdue February 23, 2024 (ML24032A472) with the understanding that the Purdue response to the RAIs is due 30-days from the date of the letter (March 25, 2024). Purdue will submit the supplement on the docket and will ensure security markings on the documents are appropriate to the information submitted.