



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

January 4, 2022

Dr. Robert Dimeo, Director
National Institute of Standards and Technology
NIST Center for Neutron Research
U.S. Department of Commerce
100 Bureau Drive, Mail Stop 8561
Gaithersburg, MD 20899 8561

SUBJECT: SUMMARY OF DECEMBER 7, 2021, MEETING WITH THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY TO DISCUSS PROPOSED TECHNICAL SPECIFICATION CHANGES AT THE NATIONAL BUREAU OF STANDARDS TEST REACTOR (EPID: L-2021-LLN-0000)

On December 7, 2021, an Observation public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and the National Institute of Standards and Technology (NIST) staff via Microsoft Teams. The purpose of this meeting was to discuss the proposed changes to the National Bureau of Standards test reactor (NBSR) technical specifications (TSs). The proposed revisions are intended to partially address one of the corrective actions developed from the root cause evaluation of the partial fuel melt event that occurred at the NBSR on February 3, 2021. The meeting notice and agenda, dated November 19, 2021, are available in the Agencywide Documents Access and Management System at Accession No. ML21323A111. A list of meeting attendees is provided as an enclosure to this summary.

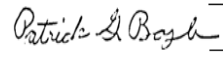
The NIST staff presented a proposed revision to fuel handling TS 3.9.2.1, "Within the Reactor Vessel," eliminating the elevation check and requiring performance of both the rotation check and visual inspection. The NIST staff explained how the new camera system provides improved indication of proper latching of the fuel elements and that the new camera system can be used to verify all fuel locations within the core.

The NRC staff asked questions related to the quality of the camera inspections, the effectiveness of the visual verifications, and some of the word choices of the proposed change. The NRC staff also informed the NIST staff that detailed supporting documents are required to support a determination related to the proposed change. Additionally, the NRC staff asked about the proposed schedule related to submittal and the need date of the TS change.

The NIST staff indicated they would be prepared to submit the license amendment request within a few weeks. The NIST staff stated that the need date for the amendment is related to the root cause corrective action and determination if the revision to the TSs is necessary to support the restart decision.

The NRC staff then solicited comments from any members of the public in attendance, none were received. The meeting was subsequently adjourned.

Please direct any inquiries to me at 301-415-3936, or by electronic mail at Patrick.Boyle@nrc.gov.

 Signed by Boyle, Patrick
on 01/04/22

Patrick Boyle, Project Manager
Non-Power Production and Utilization Facility
Licensing Branch
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

Docket No. 50-184

Enclosure:
As stated

cc w/enclosure: See next page

cc:

Environmental Program Manager III
Radiological Health Program
Air & Radiation Management Adm.
Maryland Dept of the Environment
1800 Washington Blvd, Suite 750
Baltimore, MD 21230-1724

Director, Department of State Planning
301 West Preston Street
Baltimore, MD 21201

Director, Air & Radiation Management Adm.
Maryland Dept of the Environment
1800 Washington Blvd, Suite 710
Baltimore, MD 21230

Director, Department of Natural Resources
Power Plant Siting Program
Energy and Coastal Zone Administration
Tawes State Office Building
Annapolis, MD 21401

President
Montgomery County Council
100 Maryland Avenue
Rockville, MD 20850

Test, Research and Training
Reactor Newsletter
Attention: Amber Johnson
Dept of Materials Science and Engineering
University of Maryland
4418 Stadium Drive
College Park, MD 20742-2115

Dr. Thomas H. Newton, Deputy Director
National Institute of Standards and
Technology
NIST Center for Neutron Research
U.S. Department of Commerce
100 Bureau Drive, Mail Stop 6101
Gaithersburg, MD 20899-6101

Dr. Robert Dimeo, Director
National Institute of Standards and
Technology
NIST Center for Neutron Research
U.S. Department of Commerce
100 Bureau Drive, Mail Stop 8561
Gaithersburg, MD 20899-8561

SUBJECT: SUMMARY OF DECEMBER 7, 2021, MEETING WITH THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY TO DISCUSS PROPOSED TECHNICAL SPECIFICATION CHANGES AT THE NATIONAL BUREAU OF STANDARDS TEST REACTOR (EPID: L 2021 LLN-0000) DATED: JANUARY 4, 2022

DISTRIBUTION:

PUBLIC

JBorromeo, NRR

NParker, NRR

PBoyle, NRR

CMontgomery, NRR

KRoche, NRR

ADAMS Accession Number: ML21349A377**NRC-001**

OFFICE	NRR/DANU/UNPL/PM	NRR/DANU/UNPL/LA	NRR/DANU/UNPL/BC	NRR/DANU/UNPL/PM
NAME	PBoyle	NParker	JBorromeo	PBoyle
DATE	12/15/2021	12/16/2021	01/04/2022	01/04/2022

OFFICIAL RECORD COPY

LIST OF ATTENDEES

DECEMBER 7, 2021, MEETING WITH

NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY

10:00 A.M - 12:00 P.M.

<u>Name</u>	<u>Organization</u>
Patrick Boyle	U.S. Nuclear Regulatory Commission
Cindy Montgomery	U.S. Nuclear Regulatory Commission
Richard Clement	U.S. Nuclear Regulatory Commission
Robert Carpenter	U.S. Nuclear Regulatory Commission
Thomas Scarbrough	U.S. Nuclear Regulatory Commission
Joshua Borromeo	U.S. Nuclear Regulatory Commission
Jeremy Wachutka	U.S. Nuclear Regulatory Commission
Sherwin Turk	U.S. Nuclear Regulatory Commission
Yueh-Li (Renee) Li	U.S. Nuclear Regulatory Commission
Carleen Parker	U.S. Nuclear Regulatory Commission
Paulette Torres	U.S. Nuclear Regulatory Commission
Mark Lombard	U.S. Nuclear Regulatory Commission
Michael Balazik	U.S. Nuclear Regulatory Commission
Dori Willis	U.S. Nuclear Regulatory Commission
Travis Tate	U.S. Nuclear Regulatory Commission
Steven Dewey	National Institute of Standards and Technology
Randolph Strader	National Institute of Standards and Technology
Robert Dimeo	National Institute of Standards and Technology
Thomas Newton	National Institute of Standards and Technology
Grayson Yachup	unaffiliated member of the public

Enclosure