



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

July 20, 2023

MEMORANDUM TO: Kerri A. Kavanagh, Chief
Quality Assurance and Vendor Inspection Branch
Division of Reactor Oversight
Office of Nuclear Reactor Regulation

A handwritten signature in black ink, appearing to read "Ayegbusi, Odunayo".

Signed by Ayegbusi, Odunayo
on 07/20/23

FROM: Odunayo Ayegbusi, Reactor Operations Engineer
Quality Assurance and Vendor Inspection Branch
Division of Reactor Oversight
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE NUCLEAR REGULATORY COMMISSION'S 2nd
TOWN HALL MEETING ON VENDOR OVERSIGHT

On June 21, 2023, the Office of Nuclear Reactor Regulation (NRR), Division of Reactor Oversight (DRO), Quality Assurance and Vendor Inspection Branch (IQVB) staff, hosted the second Nuclear Regulatory Commission's (NRC) Town Hall Meeting on Vendor Oversight. The NRC held this Town Hall meeting virtually. A Microsoft Teams webinar was used for participation of all attendees. The purpose of the Town Hall meeting was to allow the IQVB staff to engage in an open dialogue with external stakeholders to discuss any current issues of importance to the nuclear industry and to provide guidance and clarification on these issues.

The Town Hall meeting began with opening remarks by Mrs. Kerri Kavanagh, IQVB Chief, followed by a keynote address by Mr. Russell Felts, Director, NRR/DRO. The Town Hall meeting continued with three presentations by the following members of the IQVB staff: Mr. Michael Fitzgerald, Mr. Aaron Armstrong and Mr. Dong Park, and Mr. Yamir Diaz-Castillo. The rest of the Town Hall meeting was dedicated to two open question and answer (Q&A) sessions allowing meeting attendees to ask questions to the NRC staff on a variety of topics. The audience included approximately 160 attendees representing companies and organizations from 10 countries including vendors, industry groups, and government regulatory agencies.

A list of registered attendees is provided in Enclosure 1. The Town Hall Meeting Notice can be found in the NRC's Agencywide Documents Access and Management System under Accession No. ML23165A104. The presentations are available on the NRC's public website at <https://www.nrc.gov/reactors/new-reactors/oversight/quality-assurance/town-hall-meetings.html>.

Enclosures:

1. Meeting Summary
2. List of Attendees

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SUBJECT: SUMMARY OF THE NUCLEAR REGULATORY COMMISSION'S 2nd TOWN HALL MEETING ON VENDOR OVERSIGHT DATE: July 19, 2023

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OFFICE	NRR/DRO/IQVB	NRR/DRO/IQVB
NAME	OAyegbusi	KKavanagh
DATE	07/19/2023	07/19/2023

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Meeting Summary

Mrs. Kerri Kavanagh opened the Town Hall meeting with brief remarks and introduced the keynote speaker, Mr. Russell Felts. Mr. Felts' remarks covered areas such as the Vendor Inspection Program (VIP), the end of exigent conditions in response during the COVID-19 pandemic, the role of the vendor, and safety culture. Mr. Felts discussed the purpose of the VIP and how it provides the regulatory oversight necessary to ensure the integrity, quality, and performance of the materials, components, and services that are relied upon to maintain nuclear safety. Mr. Felts also spoke on the end of exigent conditions initiated in the response to the COVID-19 pandemic and return of full implementation of Nuclear Regulatory Commission (NRC) inspection and oversight following the expiration of the Public Health Emergency (COVID-19). In addition, Mr. Felts highlighted the significant role that safety culture plays in the supply chain and the NRC's expectations for suppliers to demonstrate a strong commitment to developing, maintaining, fostering, and improving the safety culture at their facilities. Mr. Felts closed his remarks by sharing three key messages on, (1) how crucial is the need for rigorous vendor oversight to maintaining the integrity of the global supply chain and nuclear safety, (2) the NRC staff and stakeholders working together to achieve a positive outcome, and (3) a positive and strong safety culture promotes quality and trust in the domestic and global supply chain.

Mr. Michael Fitzgerald, Reactor Operations Engineer, Quality Assurance and Vendor Inspection Branch (IQVB), delivered a presentation titled "decaBDE: Update and Follow-up Activities" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML23158A084.). Mr. Fitzgerald started his presentation by providing background information on decaBDE and describing the uses of the material and specific uses in the nuclear industry. Mr. Fitzgerald explained the U.S. Environmental Protection Agency (EPA) rulemaking of decaBDE and the impacts to the nuclear industry. He also discussed the EPA enforcement policy as it pertains to decaBDE, specifically highlighting that the "EPA does not intend to pursue enforcement actions for certain violations of the decaBDE rules and (Toxic Substances Control Act) TSCA, where such violations allow for use in nuclear power generation facilities, as long as the entities involved are diligently seeking to qualify their alternative products in accordance with NRC regulations and guidance and meet other conditions of this enforcement statement." Mr. Fitzgerald also described the timeline of interactions between the NRC and the EPA and how the NRC will use this experience for similar instances which may occur in the future. Mr. Fitzgerald concluded his presentation by highlighting the continued communication between the NRC, EPA, and industry for impacts to nuclear applications.

Mr. Aaron Armstrong and Mr. Dong Park, Reactor Operations Engineers, IQVB, delivered a presentation titled "Vendor Oversight Townhall - 10 CFR Part 21 Discussion" (ML23165A196). Mr. Armstrong started the presentation by providing an overview of Part 21 definitions and introducing important terms that should be used when discussing and complying with Part 21. Mr. Armstrong discussed in detail Part 21.21, "Notification of failure to comply or existence of a defect and its evaluation", by explaining that Part 21.21 allows for an interim report to be issued if a substantial safety hazard evaluation cannot be completed within 60 days of discovery and described the supplier's responsibilities of if they do not have the capability to perform an evaluation. Mr. Park proceeded with the presentation by providing an overview of the NRC's guidance for meeting Part 21 including: (1) RG 1.234, "Evaluating Deviations And Reporting Defects And Noncompliance Under Title 10 *Code of Federal Regulations* (CFR) Part 21," Revision 0 (ML17338A072) and (2) NEI 14-09, "Guidelines for Implementations of 10 CFR Part 21 Reporting of Defects and Noncompliance," Revision 1 (ML16054A825), noting that the NRC has determined that NEI 14-09 provides an adequate basis for complying with the requirements

of 10 CFR Part 21. Mr. Park continued the presentation by discussing the written requirements of 10 CFR Part 21 and subsequently how the NRC receives and evaluates the information provided from the report. Mr. Park concluded the presentation by presenting additional resources that are available for Part 21.

Mr. Yamir Diaz-Castillo, Reactor Operations Engineer, IQVB, delivered a presentation titled “Sampling in the Commercial-Grade Dedication Process & Issues Identified with the Use of the International Laboratory Accreditation Cooperation (ILAC) Alternative” (ML23160A203). Mr. Diaz-Castillo covered commercial-grade dedication and how sampling is used to verify critical characteristics on a number of commercial-grade items instead of performing 100% verification testing.

Mr. Diaz-Castillo discussed the limitations associated with the use of (ILAC) accreditation process, provided clarification on the requirement for documenting a technical evaluation when using the ILAC accreditation process, and described the two new conditions necessary when implementing the ILAC accreditation process. Mr. Diaz-Castillo concluded his presentation by clarifying that for licensees, the use of the International Organization for Standardization/International Electrotechnical Commission (ISO/IEC) standard No. 17025:2017, “General Requirements for the Competence of Testing and Calibration Laboratories,” as part of the ILAC accreditation process represents a quality assurance (QA) alternative to a previously accepted QA program. As such, licensees may adopt the QA alternative of using ISO/IEC 17025:2017 provided that the bases of the NRC’s approval are applicable to the licensee’s facility pursuant to the requirements of 10 CFR 50.54(a)(3)(ii).

Mr. Diaz-Castillo’s presentation was followed by two Q&A sessions to allow the participants to ask questions to the NRC staff. The NRC staff answered clarification questions on a variety of topics related to QA during the two Q&A sessions.

In summary, the Town Hall meeting provided an opportunity to our stakeholders in the nuclear supply chain to engage directly with the NRC staff to discuss regulatory and technical issues of interest to them.

NRC Town Hall Meeting on Vendor Oversight
June 21, 2023

Registered Attendee List

Name	Affiliation
Daniel R Boch	Dominion Energy
Ankur Amin	Emirates Nuclear Energy Corporation
Frank Yurich	American Crane & Equipment Corporation
Stew Shannon	Curtiss-Wright EMD
Christopher Isert	AAF International
Rodger Edwards	Nutherm
Ryan Joschak	Framatome Inc.
Gabriela Morogan	
Paul Garcia	Framatome Inc.
Adam R Mrugacz	Sargent & Lundy
Norm Moreau	Theseus Quality Assurance, LLC
Joe Robbins	Consolidated Power Supply
Brock Peltier	Holtec International
Catherine A Hoeger	Fisher Controls International LLC
Yutaka Kodama	IHI Corporation
Jens Wendt	TÜV SÜD Industrie Service GmbH
Scott Rennick	Curtiss Wright Steam & Air Solutions
Tony Newara	Electric Materials Company
Michael Moore	Dominion Energy
Ken Koves	Ridgelight LLC
Sandra Morgan	GE Hitachi Vernova
Kevin D Stovall	
Jana Bergman	Curtiss-Wright
Zach L Mailahn	Emerson
Michael Gonzales	Framatome Inc.
Andrew Volkovitskiy	Emerson TopWorx
David A Breneman	Dominion Energy
Stanley E Griffin	GE Hitachi Nuclear Energy

Name	Affiliation
Jason Dahl	Bechtel
Leo Nadeau	Structural Technologies
Jongseok Yoon	Doosan Enerbility Co., Ltd.
Marwan Husain	Emirates Nuclear Energy Corporation
Jay Martin	
Monica Gaul	GE Hitachi Vernova
Mark Coren	Duke Energy
Jeffrey Cartin	Curtiss Wright Nuclear Division
Duane Newman	Framatome Inc.
Matthew Warren	International Brotherhood of Electrical Workers
Troy Wetzel	American Crane & Equipment Corporation
John Karrick	Luminant
Michael K Cox	BWXT-AT
Jamie Schlarb	TerraPower
Meggitt Team	Parker Meggitt
Thomas Shope	X-energy
Sarah Fick	NuScale
Olimpio Torres	Urenco USA
Mike Childs Jr	Prairie Island Indian Community
Jeff LeBlanc	X-Energy LLC
Noah Weber	TRUST Manufacturing
Gary Smith	PSEG Nuclear Procurement
Jim Nikola	TerraPower
Carolyn Monaco	NuScale
Nara Campbell	PSEG
Charles Elias	Pennatronics Corporation
Bob Decker	Weldstar
Constantin Ilioiu	Curtiss-Wright
Steve Sylvestre	Ontario Power Generation
Sirum Bjorn	ABB
Michael Torbit	GE Hitachi Vernova

Name	Affiliation
Brian Podolinsky	Wagstaff
Cesar Hernandez	X-Energy
Daniel Nolen	
Joshua Hart	
Shane Guess	Pacific Gas & Electric Co.
Travis M Brosnan	Sargent & Lundy
Chad Modro	Mitsubishi Electric Power Products Inc.
Justin Frakes	The Okonite Company
Roger Sims	Jensen Hughes
Christina Gonzalez	Carboline
Jim Shepperd	TerraPower
Rebekah Needham	Ametek Solidstate Controls
Leslie Casey	Jensen Hughes, Inc
Daisy Coffman	Indiana Department of Homeland Security
Jonathan Thomas	Duke Energy
David Colegrove	Reuter-Stokes
Travis Russell	ENERCON
Luka Phouvong	TerraPower
Kevin Stahl	Illinois Department of Human Services
Tim Kindelberger	
Mike Spahn	MPR Associates
David Roberts	Emerson/Rosemount Nuclear Instruments
Rob Burg	EPM Inc.
Mike Dunkelberger	MPR Associates
Akihide Nagasaka	IHI Corporation
Gerard Hanson	Emerson
Raj	USNC
William Peterson	BWXT AT
James Kiefer	
Gerardo Caicedo	
Ryan Rathbun	Larson Forge

Name	Affiliation
Sean Donahue	
Cheryl Fousek	Reuter Stokes
Carrie Brewer	Alden Research Laboratory LLC, A Verdantas Company
Vaughn Curcio	Holtec International
Eric Brand	Mirion Technologies (IST) Corp.
TJ Poinsett	Sargent & Lundy
Paul Robinson	Ametek Solidstate Controls
Tracy K Clasey	Dominion Energy
George Lipscomb	Goldwing Services
Allison Read	EPRI
Carlos Sisco	Winston & Strawn LLP
Derek Cameron Walker	GE Hitachi Vernova
Marc Tannenbaum	EPRI
Randy Eubanks	X Energy
Jim J Davis	Department of Energy
Tammy Morin	PSEG
Peter Miner	Teledyne LeCroy Test Services
Diona Noel Russell	Duke Energy
Steve Ferrar	Farris Engineering, Div Curtiss-Wright
Janice Lynn Wittrock	Sandia National Labs
Andrew Hayworth	
Victor Montalbano	Framatome Inc.
Brenda Mills	Energy
Nahid Nikoo	Parker Meggitt
Terry Casteel	Toshiba America Energy Systems Corporation
Ben Gordon	Ametek Solidstate Controls
Alexis Alfonso	
Sandra Schindler	SNL
Steven Shimko	
Sabrina M Ireland	Arizona Public Service
Paul Ragan	GE-Hitachi Nuclear Energy

Name	Affiliation
Matt Keene	GE Hitachi Vernova
Al Bates	Pacific Gas & Electric Co.
Brett McGlone	NuSource, LLC
Justin Miller	Emerson TopWorx
Sam Miranda	Public
Bob	
Chris Lee	Canadian Nuclear Laboratories
Karen Douglas	ASQ Energy & Environment Division
Matt Ellis	
Anna Lewandowski	Mission Support and Test Services
Douglas Burget	Westinghouse
Michael Stefanchik	Westinghouse
Tina M. Rankin	Westinghouse
Wilbert Cook	GE Hitachi Vernova
George Wilson	TerraPower
Mike King	
Peter Blattner	KTA-Tator. Inc.
James Martin	
Shawn McCarthy	
Rachel Barlock	Curtiss Wright EMD
Aaron Kramer	Mission Support and Test Services
Ryan Klosnick	Curtiss-Wright
Doug Doyle	
Cameron Walker	TRISO-X
Robert Seipel	SHINE Technologies
Pat Mcquade	Framatome Inc.
Vijay Tarun D'Souza	Duke Energy
Dave Hopkins	Reuter-Stokes, LLC
Sebastian J Larrea	Dominion Energy
Philippe Callens	Vincotte
Mark Caffarel	TerraPower

Name	Affiliation
Jiri Naiman	
Kevin King	
Steven Reed	TerraPower
Martha Wah	
Kanakano Oshikawa	IHI Corporation
Mojmir Srnec	TUV NORD
Kaycee L Ash	Sargent & Lundy
Robbie Wood	X-energy, LLC
Alexandria Sagel	
Jasia Mikulich	