




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

June 15, 2022

MEMORANDUM TO: Kerri A. Kavanagh, Chief
Quality Assurance and Vendor Inspection Branch
Division of Reactor Oversight
Office of Nuclear Reactor Reg  Signed by Diaz-Castillo, Yamir
on 06/15/22

FROM: Yamir Diaz-Castillo, Reactor Operations Engineer
Quality Assurance and Vendor Inspection Branch
Division of Reactor Oversight
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE 2022 NUCLEAR REGULATORY
COMMISSION WORKSHOP ON VENDOR OVERSIGHT

From June 1 to June 2, 2022, the Office of Nuclear Reactor Regulation, Division of Reactor Oversight, hosted the Nuclear Regulatory Commission's (NRC's) 8th Workshop on Vendor Oversight. Due to concerns regarding the COVID-19 pandemic and the importance of social distancing, the NRC held its 8th Workshop on Vendor Oversight virtually. In order to maximize public participation, the workshop was offered over two days. The NRC's 8th Workshop on Vendor Oversight began with opening remarks by Ms. Kerri Kavanagh, Chief, Quality Assurance and Vendor Inspection Branch (IQVB), followed by the keynote address by Mr. Chris Miller, Director, Division of Reactor Oversight (DRO) in the Office of Nuclear Reactor Regulation (NRR), as well as presentations by the following members of the NRC staff: Ms. Deanna Zhang, Mr. Yamir Diaz-Castillo, Mr. Douglas Bollock, and Mr. Yiu Law. Presentations were also given by Mr. John Larson from the Cooper Nuclear Station, Mr. Marc Tannenbaum from the Electric Power Research Institute (EPRI), and Mr. Mark Coren from Duke Energy.

The 8th Workshop on Vendor Oversight included presentations on the following topics: (1) the NRC staff's response to the Office of Inspector General's (OIG's) report on Counterfeit, Fraudulent, and Suspect Items (CFSI); (2) Nuclear Procurement Issues Corporation's (NUPIC's) audit team and supplier interface before, during, and after the audit; (3) assessment of laboratories owned by the U.S. Department of Energy (DOE); (4) commercial-grade dedication inspections at licensees; (5) lessons learned from inspecting during a pandemic; (6) implementation of the EPRI guidance on hybrid and remote assessments; and (7) lessons learned from implementing the EPRI guidance on hybrid and remote assessments. In addition, there were two open question and answer (Q&A) sessions each day of the workshop. The audience included approximately 300 attendees representing companies and organizations from 10 countries including vendors, industry groups, government regulatory agencies, and both foreign and domestic utilities.

CONTACT: Yamir Diaz-Castillo, NRR/DRO
(301) 415-2228

A list of registered attendees is provided in Enclosure 1. The list of speakers is provided in Enclosure 2. All the presentations are available on the NRC's public website at <https://www.nrc.gov/reactors/new-reactors/oversight/quality-assurance/vendor-oversight.html>, as well as in the NRC's Agencywide Documents Access and Management System (ADAMS). The accession numbers for each of the presentations are provided in summary below.

Day 1: June 1, 2022

Ms. Kerri Kavanagh provided opening remarks and introduced the keynote speaker, Mr. Chris Miller. Ms. Kavanagh welcomed the attendees to the 2022 NRC's 8th Workshop on Vendor Oversight and provided brief remarks on what to expect for the next two days.

Mr. Chris Miller's keynote speech briefly touched on several topics. Mr. Miller provided remarks regarding the continued impact of the COVID-19 pandemic on the supply chain and the oversight of vendors. Mr. Miller mentioned that the NRC staff has approved several alternatives to address challenges with performing audits, commercial-grade surveys, and source surveillances during the pandemic. Mr. Miller emphasized that Appendix B, "Quality Assurance Program Criteria for Nuclear Power Plants and Fuel Reprocessing Plants," to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50, "Domestic Licensing of Production and Utilization Facilities," requires on-site direct observation. As such, any changes in the way audits, commercial-grade surveys, and source surveillances are required to be performed must be done through rulemaking. Mr. Miller clarified that the NRC staff is not pursuing any rulemaking at this moment. Mr. Miller discussed the importance of having a strong safety culture at all organizational levels and how establishing and maintaining a safety conscious work environment is an important element of strong safety culture and requires hard work and continuous monitoring. Mr. Miller concluded his remarks by talking about his experience while on rotation to the DOE and how he was able to view firsthand some of the efforts by DOE to encourage and strengthen the use of nuclear energy to support the U.S. energy and climate goals.

Ms. Deanna Zhang, Senior Reactor Operations Engineer, NRR/DRO/IQVB, delivered the presentation "Counterfeit, Fraudulent, and Suspect Items: NRC Staff's Response to the Office of the Inspector General's Report" (ADAMS Accession No. ML22137A144). Ms. Zhang presented an overview of the findings and recommendations identified in the OIG's audit report and special inquiry on the NRC staff's oversight of CFSI at domestic nuclear power plants. Ms. Zhang also discussed the NRC staff's response to the OIGs audit report findings and recommendations. Ms. Zhang highlighted that the NRC staff has taken a proactive approach to its oversight of CFSI through issuance of CFSI-related guidance, development of processes to evaluate potential CFSI events, and performance of outreach activities with internal and external stakeholders. Ms. Zhang emphasized that the NRC staff conducted a review of the information presented in these reports and concluded that there was no evidence found to substantiate that NRC regulated facilities have been adversely impacted by CFSI.

Mr. John Larson, Quality Assurance Supplier Leader, Cooper Nuclear Station, delivered the presentation "NUPIC Audit Team & Supplier Interface Before, During, and After the Audit" (ADAMS Accession No. ML22137A167). Mr. Larson discussed the actions that both the NUPIC audit team and the supplier being audited should perform before, during, and after the audit. Some of these actions include scheduling the audit, selecting the audit team members, the supplier becoming familiar with the NUPIC website, what to expect during the week of the audit, and how to address any audit findings, as applicable.

Mr. Yamir Diaz-Castillo, Reactor Operations Engineer, NRR/DRO/IQVB, delivered the presentation “Assessment by Licensees, Applicants, and Suppliers of Laboratories Owned by the U.S. Department of Energy” (ADAMS Accession No. ML22137A176). Mr. Diaz-Castillo covered the relationship between the DOE and the national laboratories owned by DOE (e.g., Idaho National Laboratory, etc.). Mr. Diaz-Castillo clarified that while DOE owns the national laboratories, these facilities are operated by contractors and the employees of the laboratories are not Federal employees. As such, the national laboratories are not considered to be a Federal agency. Mr. Diaz-Castillo clarified that because the national laboratories are not considered to be a Federal agency, when procuring items and services that will be used in a safety-related application; licensees, applicants, and suppliers are responsible for: (1) verifying the effective implementation of the laboratories’ programmatic quality controls, and (2) maintaining responsibility for 10 CFR Part 21.

At the end of Mr. Diaz-Castillo’s presentation, Ms. Kavanagh began the first Q&A session for any of the attendees to ask any questions to the presenters or to the NRC staff on any topics related to quality assurance and/or vendor inspections. Ms. Kavanagh concluded the first day of the workshop by thanking all the attendees for their participation.

Day 2: June 2, 2022

Ms. Kavanagh welcomed the attendees to the second day of the 2022 NRC 8th Vendor Workshop and introduced the next presenter.

Mr. Doug Bollock, Senior Reactor Operations Engineer, NRR/DRO, Reactor Oversight Process Inspection Branch, delivered the presentation “Commercial-Grade Dedication Inspections at Licensees” (ADAMS Accession No. ML22137A276). Mr. Bollock provided information on the planned commercial-grade dedication inspections that will replace the power-operated valve (POV) inspections starting in January 2023. Mr. Bollock clarified that these inspections will be performed under the Reactor Oversight Program baseline inspection program and will be similar to Environmental Qualification, Fire Protection, and POV inspections. Mr. Bollock provided details about the inspections such as the expected length of the inspection, team composition, inspection procedures that will be used, how many samples per inspection, etc. Mr. Bollock stated that the NRC staff is open to holding public meetings in the Fall of 2022 to discuss the preparation and implementation for the inspections with the nuclear industry.

Mr. Yiu Law, Reactor Operations Engineer, NRR/DRO/IQVB, delivered the presentation “NUPIC Audit Team & Supplier Interface Before, During, and After the Audit” (ADAMS Accession No. ML22137A292). Mr. Law’s presentation focused on how the NRC adapted and made decisions for performing vendor inspections during the COVID-19 pandemic. Mr. Law mentioned how the NRC developed a strategy for determining how to conduct vendors inspections, whether a remote or hybrid inspection is an option, and how it continues to perform a weekly COVID-19 assessment to help inform the decision of whether to perform the inspection or not. Mr. Law provided a list of lessons learned from performing inspections during a pandemic.

Mr. Marc Tannenbaum, Senior Technical Executive, EPRI, delivered the presentation “Implementation of the Electric Power Research Institute’s (EPRI) Guidance on Hybrid & Remote Assessments” (ADAMS Accession No. ML22137A279). Mr. Tannenbaum focused his presentation on describing how to implement EPRI 3002020796, “Remote Assessment Techniques: Planning and Conducting Audits and Surveys Using Remote Techniques During

Exigent Conditions,” dated April 15, 2021. EPRI 3002020796 contains guidance on performing fully remote, provisional remote, and hybrid audits and surveys. Mr. Tannenbaum covered the assessment activities, remote techniques, performance-based approach, eligibility requirements, selection process, and lessons learned.

Mr. Mark Coren, Vendor Quality Manager, Duke Energy, delivered the presentation “Duke Energy - Remote Source Verification/Surveillance, Remote & Hybrid Assessments” (ADAMS Accession No. ML22137A286). Mr. Coren provided Duke Energy’s experience from performing both remote source verification/surveillance as well as remote and hybrid assessments during the COVID-19 pandemic. Mr. Coren explained how Duke Energy implemented these activities as well as lessons learned.

At the end of Mr. Coren’s presentation, Ms. Kavanagh began the second Q&A session for any of the attendees to ask any questions to the presenters or to the NRC staff on any topics related to quality assurance and/or vendor inspections. Ms. Kavanagh concluded the second and final day of the workshop by thanking all the attendees for their participation and announcing that the NRC hopes to host the next NRC Workshop on Vendor Oversight in 2024 in person.

Summary and Conclusions

Answers to questions led to discussion after each session throughout the workshop. Currently, the NRC staff is not planning to provide additional written responses to these answered questions on the public website. Interested parties who would like further clarification on any of the topics discussed during the workshop are encouraged to utilize the Frequently Asked Questions section of the NRC’s public website (<https://www.nrc.gov/reactors/new-reactors/oversight/quality-assurance/qual-assure-faqs.html>).

To enhance the next vendor workshop, the NRC solicited suggestions and feedback from the attendees. The consensus was that the attendees appreciated the NRC being proactive in explaining its regulations and expectations for nuclear vendors. In addition, the attendees expressed interest in the NRC’s continued conduct of similar outreach activities.

In summary, the workshop brought together regulated utilities, government agencies, nuclear vendors, and other interested stakeholders to discuss issues such as the NRC staff’s response to the OIG’s report on CFSI; (2) NUPIC’s audit team & supplier interface before, during, and after the audit; (3) required assessment of laboratories owned by the U.S. DOE; (4) commercial-grade dedication inspections at licensees; (5) lessons learned from inspecting during a pandemic; (6) implementation of the EPRI guidance on hybrid and remote assessments; and (7) lessons learned from implementing the EPRI guidance on hybrid and remote assessments.

Enclosures:

1. List of Attendees
2. List of Speakers

SUBJECT: SUMMARY OF THE 2022 NUCLEAR REGULATORY COMMISSION WORKSHOP
ON VENDOR OVERSIGHT DATED JUNE 15, 2022

DISTRIBUTION:

C Miller

R Felts

D Bollock

NRR_DRO_IQVB Distribution

ADAMS Accession No. ML22166A312

NRR-106

OFFICE	NRR/DRO/IQVB	NRR/DRO/IQVB
NAME	YDiaz-Castillo	KKavanagh/ PFP for
DATE	06/15/2022	06/15/2022

NRC Workshop on Vendor Oversight

June 1-2, 2022

Registered Attendee List

First Name	Last Name	Affiliation
Antoinette	Sakadales	U.S. Nuclear Regulatory Commission (USNRC)
Frankie	Vega	USNRC
Olimpio	Torres	Urenco USA
Terry	Krause	Burns & McDonnell
Christopher	Iser	AAF International
Allison	Read	Electric Power Research Institute (EPRI)
Jun	Zhao	Ritepro Corporation
Robert	Decker	Weldstar
Richard	Buechler	Southern Nuclear Operating Company (SNC)
Thomas	Mudge	MQA Partners, LLC
Amy	Aughtman	SNC
Zack	Betsill	SNC
Carol	Riley	Pooled Inventory Management and SAFER
Dibu	Chowdhury	Hydroaire Service, Inc.
Michael	Dunkelberger	MPR
Brad	Boothe	Acuity Quality Assurance
Rebekah	Needham	AMETEK Solidstate Controls
Peter	Schultz	Canadian Nuclear Safety Commission (CNSC)
Jim	Amicon	AMETEK Solidstate Controls
Faisal	Salman	Hydroaire
Paul	Robinson	AMETEK Solidstate Controls
Stew	Shannon	Curtis-Wright
Jon	Tabott	Tennessee Valley Authority (TVA)
Greg	Mason	National Technical Systems
Terry	Casteel	Toshiba American Energy Systems Corporation
Roger	Sims	Jensen Hughes
Gayle	Elliott	Framatome, Inc.
Kevin	Schoolcraft	Wolf Creek Nuclear Plant
Randy	Kurtz	Sargent & Lundy

Ryota	Kudo	Toshiba American Energy Systems Corporation
Robert	Phillips	Westinghouse Electric Company (WEC)
Jeongsun	Kim	Doosan Enerbility Co., Ltd.
Duska	Jovicic	NEK
Andres	Torralba	Iberdrola
Tira	Seals	Sargent & Lundy
Shannon	Echols	Mackson Nuclear, LLC
Alex	Jackson	Weldstar
Randy	Hugenroth	Omaha Public Power District (OPPD)
Jeniece	Budner	Frontier Technology Corporation
Noah	Weber	TRUST Manufacturing, LLC
Michael	Peterson	SNC
Adam	Mrugacz	Sargent & Lundy
Tim	Czuba	Entergy
Brian	Ocampos	TN Americas, LLC
Gabriele	Giobbe	CNSC
Pat	McQuade	Framatome, Inc.
Nathan	Kjolsing	Emerson Electric
Amy	Renato	Burns & McDonnell
Laura	Smith	USNRC
Brian	Polodinsky	Wagstaff
Donald	Chesnes	TRUST Manufacturing, LLC
Jeff	Kaar	Pacific Gas & Electric
Peter	Miner	Teledyne LeCroy Test Services
Dan	Roberts	Engine Systems, Inc.
Elizabeth	Gandy	Henkel Corporation
Robert	Winn	Framatome, Inc.
Ankur	Amin	Emirates Nuclear Energy Corporation
Jerry	Beasly	OPPD
Jill	Raiburn	Alaron Nuclear Services
Kaycee	Ash	Sargent & Lundy
Elizabeth	Marten	Sargent & Lundy
Frank	Shetterly	Major Tool & Machine, Inc.

Mohammad	Al Falasi	Emirates Nuclear Energy Corporation
Jason	Silvey	Major Tool & Machine
Michael	Bednar	WEC
Guy	Robinson	Entergy
Victor	Romano	ABB Electrification Business Service
Douglas	Burget	WEC
Tamer	Rezk	Bechtel Power Corporation
Sarathiraja	Sekar	Kairos Power, LLC
Roman	Kmicikewycz	Major Tool & Machine, Inc.
David	Breneman	Dominion Energy
Jim	Abbett	Major Tool & Machine, Inc.
David	Lewis	ABB
Taran	Woo	Bechtel Power Corporation
Brent	Hamilton	Bechtel Power Corporation
Damijan	Gregoric	Krsko Nuclear Power Plant
Greg	Galletti	USNRC
Catherine	Hoeger	Emerson
Chris	Lee	Canadian Nuclear Laboratories
Ron	Cook	Emerson
James	McIntyre	Sargent & Lundy
Rachel	Czuba	Sonic Systems
Nikki	Mace	Sonic Systems
Jessica	Lemieux	EPRI
Paul	García	Framatome, Inc.
Carmen	Alonso	GE Hitachi Nuclear Energy
Marwan	Husain	ENEC
Dong	Park	USNRC
Mark	Svajger	GE Hitachi Nuclear Energy
Kevin	Gardner	Bechtel Power Corporation
Kerri	Kavanagh	USNRC
Jessi	Roberts	Electric Motor & Contracting, Co., Inc.
Albert	Lafleur	NextEra Energy
Susan	Hoxie-Key	Member of the Public
Lawrence	Erin	Lockheed Martin

Stanley	Griffin	GE Hitachi Nuclear Energy
Leslie	Dugay	Anata Management Solutions
Jim	Garrison	WEC
Jacob	Clos	Fisher Controls International, LLC
Duane	Newman	Framatome, Inc.
Carolyn	Monaco	NuScale Power
Charles	Elias	Pennatronics
John	Conly	Centrec Corporation
Ed	Michaels	GE Hitachi Nuclear Energy
Alan	Newcomer	Nawah Energy Company
Benjamin	Gordon	AMETEK Solidstate Controls
Alison	Clark	Emerson
David	Soward	Xcel Energy
Avinash	Jaigobind	USNRC
Troy	Wetzel	American Crane & Equipment Corporation
Malion	Bartley	USNRC
Ryan	Materna	TRUST Manufacturing, LLC
Constantin	Ilioiu	Curtis-Wright Nuclear Division, NETCO
John	Karrick	Luminant Generation Co.
Jonathan	Alexander	SAECO
John	Larson	Nebraska Public Power District (NPPD)
Douglas	Buret	WEC
Randall	Cullison	NPPD
Victor	Montalbano	Framatome, Inc.
Scott	Rennick	Curtis Wright Steam & Air Solutions
James	Highlands	MSA
Chris	Miller	USNRC
Joshua	Luppert	Luminant Generation Co.
Joe	Pennington	Entergy
Rebecca	Baumgartner	Lincoln Structural Solutions
Leon	Payne	NB Power
Daryl	Montie	Arsenal Consulting, Inc.
William	Ross	EnerSys
Patrick	St. Onge	New Brunswick Power Corporation
Joyce	Hamman	Crane Nuclear PFT Corporation

Frank	Yurich	American Crane & Equipment Corporation
Donna	Burns	Zeno Power Systems
Andrea	Segiet	Curtis-Wright Sciencetech
Jeffrey	Cartin	Curtis-Wright Sciencetech
José	Freire	Arizona Public Service
Mike	Swirad	Valcor Engineering Corporation
John	Zalec	Sherwin-Williams
Rob	Burg	Engineering Planning and Management, Inc.
Linda	Brissey	PCI Energy Services, Inc.
Megan	Strong	TE Connectivity
Michelle	McDonald	Emerson
Edward	Pugh	ENERCON Services, Inc.
Christopher	Kulwicki	Kinetix Quality Services
Carol	Arneson	Konecranes Nuclear Equipment & Services
Jeffrey	Rusin	Konecranes Nuclear Equipment & Services
Vincent	Grosso	Mission Support & Test Services
David	Nenstiel	DuBose National Energy Services
Aaron	(none provided)	Mission Support & Test Services
Jerry	Clark	Mission Support & Test Services
Anna	Lewandowski	Mission Support and Test Services
Andrea	Keim	USNRC
Aaron	Kramer	Mission Support and Test Services
Boris	Bognar	NEK
Paul	Prescott	USNRC
Yiu	Law	USNRC
Andrew	Burningham	Mission Support and Test Services
David	Drucker	USNRC
Richard	Lee	IMECS
Chris	Chaves	U.S. Department of Energy (DOE)
Gayle	Elliott	Framatome, Inc.
Jon	Johnson	Johnson Engineering
Sandra	De La Cruz	MSTS
Shannon	Doran	Portland General Electric
Jongseok	Yoon	Doosan Enerbility Co., Ltd.

Violeta	Calic	Krsko Power Company
Tania	Navarro	IRSN
James	Gambrell	USDOE
Abhijit	Sengupta	USDOE
Mike	Mayer	RIZZO International
Nick	Hansing	USNRC
Camille	Zozula	WEC
Rebecca	Retherford	Pooled Inventory Management
Nicole	Hill	Talen Energy
Regina	Genovese	DTE Energy
Tracy	Clasey	DTE Energy
Douglas	Bollock	USNRC
Melanie	Dirks	SOR Inc.
Andrea	Davis	Centrus Energy Corporation
Joseph	Thompson	PSEG Nuclear
Mark	Coren	Duke Energy
Aurang	Virk	DTE Energy
Susan	Edinger	TVA
Deanna	Zhang	USNRC
Jeffrey	Jacobson	Nuclear Assurance Services
Zhao	Xudong	CAM-NESRC
Robert	Jacobs	Centrus Energy Corporation
Jonathan	Thomas	Duke Energy
Travis	Brown	Duke Energy
Andrea	Boynton	Duke Energy
Ronald	Harris	Duke Energy
Steve	Hayden	Centrus Energy Corporation
Robert	Ventura	ANACNV
David	Thomas	Duke Energy
Michael	Hallock	Duke Energy
Thomas	Horan	Hilti, Inc.
Holly	Johnston	Duke Energy
Tracy	Stone	Duke Energy
Matthew	Pickens	Duke Energy
Zac	Freebourn	Duke Energy

Marc	Tannenbaum	EPRI
Jermaine	Heath	Defense Nuclear Facilities Safety Board
Martin	Kurr	Fairbanks Morse Engine
Earl	Mayhorn	AmerenUE
Blaine	McCaslin	Duke Energy
Greg	Peterschmidt	Energy Solutions
Pawel	Rutkowski	PEJ
Kim	Haight	Konecranes Nuclear Equipment & Services
Matt	Keene	General Electric
Carlos	Sisco	Winston & Strawn, LLP
Sandra	Morgan	GE-Hitachi Nuclear Energy
Joel	Saylor	Duke Energy
Saif	Ahmed	Emirates Nuclear Energy Corporation
Miguel	Barreiro	ENDESA SA - ENEL Group
Lewis	Csedrik	Morgan Lewis
Paul	Burgess	ValvTechnologies, LLC
Frank	Harshman	Defense Nuclear Facilities Board
Don	Graham	DP Engineering
Richard	McIntyre	Member of the Public
Jason	Redd	SNC
Gene	Wasson	Wasson Quality Consulting, LLC
Jacek	Dzitkowski	PEJ
Eric	Brand	Mirion Technologies (IST) Corporation
Eugene	Sullivan	Mirion Technologies (IST) Corporation
Rick	Jervey	USNRC
Wallace	Warren	USNRC
Diona	Russell	Duke Energy
Kevin	Slavings	Urenco USA
Jacob	Brueckman	Mirion Technologies (IST) Corporation
Tracy	Honeycutt	SNC
William	Buice	Duke Energy
Donna	Gottula	NPPD
Jimmie	McCoun	Duke Energy
Michael	Barron	Pennsylvania Machine Works, LLC
Zeljko	Zunic	Krsko Nuclear Power Plant

María	Gálvez	Centrales Nucleares Almaraz-Trillo
Steven	Steele	Duke Energy
Andrea	Jennetta	S&P Global Platts
Caitlin	Norman	Superheat
Herbert	Mayes	Entergy
Wilkins	Smith	Member of the Public
Norman	Moreau	Theseus Professional Services, LLC
Hank	Bailey	Duke Energy
Steve	Wagstaff	TransWare Enterprises
Angela	Zubroski	WEC
Jacob	Denny	Duke Energy
Andrew	Zach	Senate Environment and Public Works Committee
Nicole	Ancel	Rosemount Nuclear, Inc.
Sandra	Devin	Happy Associates, LLC
Terri	Spicher	USNRC
Malion	Bartley	USNRC
Roy	Gregan	New Brunswick Power Corporation
Donald	Green	NPPD
Wallace	Warren	Duke Energy
Ojaswi	Shrestha	Duke Energy
Chad	Hasychak	WEC
Carrie	Wilson	Duke Energy
Kyle	Wolf	Urenco USA
Wade	Richardson	Duke Energy
William	Granger	Idaho National Laboratory
Christopher	Cloniger	Duke Energy
Stephanie	Weir	Battelle Energy Alliance, LLC
Robert	Toro	USDOE
David	Baarck	Valcor Engineering Corporation
Brett	Crosby	WEC
Robert	Villegas	EPRI
David	Soward	Xcel Energy
Frank	Butchart	Duke Energy
Jeffrey	Fischer	Konecranes Nuclear Equipment & Services

Jim	Davis	USDOE
Richard	Goodman	SNC
Krzysztof	Adamczuk	Polskie Electrownie Jadrowe
Paul	Ragan	GE-Hitachi Nuclear Energy
Josh	Rogers	Rotating Equipment Repair
Brian	Mervak	Mervak Applied Nuclear Consulting
Christina	Gonzalez	Carboline Global, Inc.
Kelly	Pavalko	Mission Support & Test Services
Susan	Hoxie-Key	Member of the Public
Andy	Hon	USNRC
Catherine	McKnight	Sargent & Lundy
John	Conly	Certrec Corporation
James	Wingfield	Certrec Corporation
Michael	Hedden	Dominion Energy
Veena	Gubbi	NJDEP
Matthew	Marzano	Senate Environment and Public Works Committee
Adrienne	Hudson	TVA
Brett	McGlone	NuSource, LLC
James	Lynch	Mirion Technologies (IST) Corporation
William	Freebairn	S&P Global Platts
Michael	Goyda	Mission Support & Test Services
Timothy	Kindelberger	Theseus Professional Services, LLC
Ethan	Salsbury	AMETEK Solidstate Controls
Leslie	Casey	Jensen Hughes, Inc.
Osama	Elkadim	WEC
Greg	Przyjemski	Talen Energy
Luc	Pitre	NB Power PLNGS
Matthew	Hoobler	Mirion Technologies (IST) Corporation
Paul	Rades	USNRC

List of Speakers

Speaker	Affiliation
Ms. Kerri Kavanagh	U.S. Nuclear Regulatory Commission (USNRC)
Mr. Chris Miller	USNRC
Ms. Deanna Zhang	USNRC
Mr. Yamir Diaz-Castillo	USNRC
Mr. Douglas Bollock	USNRC
Mr. Yiu Law	USNRC
Mr. John Larson	Cooper Nuclear Station
Mr. Marc Tannenbaum	Electric Power Research Institute
Mr. Mark Coren	Duke Energy