

**PUBLIC MEETING WITH
THE NUCLEAR ENERGY INSTITUTE (NEI)
REGULATORY ISSUES TASK FORCE**

December 2, 2024

**NUCLEAR
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REACTOR
RR
REGULATION
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We Make **SAFE** Use of Nuclear Technology **POSSIBLE**



AGENDA

Time	Topic	Speaker
1:00 pm	Introductions and Opening Remarks	Mike Franovich (NRR, Acting Deputy Office Director for Reactor Programs) Brett Titus (NEI, Director of Licensing)
1:10 pm	MAP-X Update	Laura Smith (EMBARK) Melissa Walker (EMBARK) Jordon Alston (OCIO) Rachel Sanchez (OCIO)
1:30 pm	LIC-111 Rev 2 Update	Allen Fetter (DNRL)
1:50 pm	LAR Workshop Outcomes	Gerond George (DORL)
2:10 pm	Annual and Cyclic Reporting Requirements	Brett Titus (NEI)
2:30 pm	Break	
2:40 pm	ADVANCE Act Section 505 Plans	Jamie Pelton (DORL)
3:00 pm	Tech Specs as Data Response	Michael Markley (DORL)
3:20 pm	Open Discussion	
3:45 pm	Opportunity for Public Comments	
3:55 pm	Closing Remarks	Mike Franovich (NRR) Brett Titus (NEI)
4:00 pm	Adjourn	



OPENING REMARKS

Mike Franovich

Acting Deputy Director, Reactor Programs
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission

Brett Titus

Director, Licensing
Nuclear Energy Institute

MAP-X Update

NRC Public Meeting with Nuclear Energy Institute (NEI)
Regulatory Issues Task Force (RITF)

December 2, 2024

Laura Smith, MAP-X Product Owner, NRR/EMBARK

Melissa Walker, Director, NRR/EMBARK

Jordon Alston, OCIO MAP-X PM
Rachel Sanchez, OCIO MAP-X Team Leader

EMBARC

Innovation accelerator located in the Office of Nuclear Reactor Regulation (NRR)

Facilitate innovation and data visualization improvements across the agency

Strong partnership with program and corporate support data owners and users

Ongoing collaboration with the Office of the Chief Information Officer (OCIO)

MAP-X

A user-authenticated web portal that improves data and information exchange with licensees and approved stakeholders.



MAP-X Status

- Active MAP-X Modules
 - Web-Based Relief Requests
 - Event Notification (Form 361)
 - Licensee Event Reports (Form 366)
 - General Submission (Similar to the EIE General Form)
- In-Progress MAP-X Modules
 - Fitness for Duty
 - Operator Licensing

ABOUT MAP-X

The NRC's Mission Analytics Portal-External, or **MAP-X**, is a tool designed to modernize and enhance communications with licensees. The NRC expects **MAP-X** to further enhance the agency's online capabilities for licensees and NRC staff.

The NRC has developed **MAP-X** to facilitate electronic submission of required forms using a web interface. The benefits of the MAP-X portal include the ability to review past submissions and see the ADAMS accession numbers and submittal dates for each submittal received by the NRC.

Users have several submission types available to use, with more in development. Submission types that are available include:

- **Proposed Alternative** - This submission type is used to submit proposed alternatives to requirements in NRC's regulations allowed under Title 10 of the Code of Federal Regulations, Section 50.55a(z). The structure of this submission supports the electronic safety evaluation process developed by the Division of Operating Reactor Licensing (DORL).
- **General Submission** - Used for transmitting reports or other electronic filings to the NRC. Submission examples include safety evaluation reports.
- **Licensee Event Reports** - Used for the submission of licensee event reports pursuant to 10 CFR 50.73.
- **Event Notices** - Used for the submission of licensee event notices pursuant to 10 CFR 50.72.

If you need assistance or have any questions, please reach out to MAP-X.Resource@nrc.gov.

Sign In

Sign In

Request Access

Request Access to MAP-X Portal

Submission Types

Proposed Alternative

NRC Form 361, Event Notification Worksheet

NRC Form 366, Licensee Event Report

General Submissions

MAP-X Benefits

External Users

- Individual access from anywhere - not tied to a specific computer/physical location
- Due to user credentialing and authentication, portal access and submission viewing is secure – can share sensitive or curated information
- Email record/proof of submission
- Form field validation / auto-populated fields
- View previous submissions

NRC

- Receives information as structured data rather than narrative text or attachments (as applicable)
- Can support streamlining and monitoring incoming data processes
- Routing and availability of information within the NRC is enhanced

Building a Smarter Web Form

- Drop down lists
- Required fields
- Validation of data field formatting (dates, phone numbers)
- Conditional input fields
- Auto population of fields based on user information
- Ability to expand/minimize parts of forms

The image shows a web form with the following fields:

- *Name of Caller/Title**: A text input field.
- *Call Back Number**: A text input field containing "(123) 456-7890".
- *Event Time and Zone**: A text input field containing "17:00 EST".
- *Event Date**: A text input field containing "M/D/YYYY" with a calendar icon on the right.
- *Location of Event (include county and state)**: A text input field.
- Portion of Plant Affected (if applicable)**: A text input field.
- *Event Classification**: A dropdown menu with "Select Event Classification" and a downward arrow.
- *Event Type**: A dropdown menu with "Select Event Type" and a downward arrow.
- Event Description (Include: Systems affected, actuations and their initiating signals, causes, effect of event on plant, actions taken or planned, etc.)**: A text area with a label above it.
- *Event Description**: A text input field.

Recent MAP-X Progress

- Licensee Event Report Availability
- General Submission Modules Availability
- MAP-X Portal Performance Optimization
- Ongoing efforts in NRC-Licensee focus groups



Proposed MAP-X Upgrades

- **Continued MAP-X User Experience Improvements**
 - Status updates of submitted requests
 - Interfaces with Requests for Additional Information
- **More reporting/interactive functionality within the application for NRC users**
- **Exploring better collaboration in front-end rulemaking so that MAP-X modules immediately available to support routine updates**
- **Continue exploring future MAP-X modules**

Tips for MAP-X Users

- If you may have a near-term use for MAP-X, sign up for a user account today!
- MAP-X User Guide and FAQ Rev. 3 available at <https://www.nrc.gov/docs/ML2229/ML22290A105.html>
- Be prepared to go through ICAM Level Gold credentialing to use MAP-X
 - Requires both a recent photo and a photo ID (State Driver's License is acceptable)
 - <https://pki.nrc.gov/ecs/apps/gold/dcc-gold-wrr.html> to apply for credentialing
- Informing your NRC project manager that you want to use MAP-X will help ensure the process goes smoothly; you can also contact MAP-X.resource@nrc.gov with any issues or questions
- Once you are credentialled, login to the portal <https://mapx.nrc-gateway.gov/> to become familiar with the application, your roles/permissions, and the forms
- We also have a test environment for credentialled users, if you want to explore and test out the system <https://mapx-preprod.powerappsportals.us/>

MAP-X Looking Forward



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LIC-111 Rev 2 Update

Allen Fetter

Senior Project Manager, NRR/DNRL



**US NUCLEAR REGULATORY
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LAR Workshop Outcomes

Gerond George

Branch Chief, NRR/DORL



License Amendment Request Workshop Outcomes

- On May 29, 2024 NRC staff met with industry licensing representatives in a discussion on licensing best practices and lessons learned.
- Key topics: Pre application meetings and work planning, Requests for Additional Information, Draft Safety Evaluations, and Audits
- NRC Actions after the meeting.
 - Document and consolidated best practices for Preapplication Meetings
 - Reinforce Process Discipline in Licensing Process, including RAIs, Draft SE w/ holes
 - Encourage leveraging Integrated Review Teams and Risk-Informed Decisions

NEI – RITF

Annual and Cyclic Reporting Requirements

December 2, 2024



Review of Annual and Cyclic Reporting

- The Regulatory Issues Task Force reviewed annual and cyclic reporting requirements since the inception of the Reactor Oversight Process and identified:
 - 9 annual and cyclic reporting requirements for potential elimination without an impact to safety.
 - Implementation of the recommendation would result in a reduction of ~425 low value, low safety significance reports to the NRC/year.
 - The Retrospective Review of Administrative Requirements and Revision of Administrative Requirements Rulemaking (RROAR) and related correspondence was reviewed to determine what, if any, consideration was given to these reports.
 - RROAR has been pending before the Commission since 2021 and was limited in scope - did not consider all reporting requirements.

Recommendation and Path Forward

- Recommend review of the safety significance, value, and expended resources in the submittal and processing of the reports.
- The ADVANCE Act presents a great opportunity to implement efficiency considerations in reporting requirements and NRC should pursue rulemaking to eliminate the reporting requirements.
- NEI plans to formalize this recommendation via a letter to the NRC in early 2025.

Background: Reports of Interest

1. Radioactive Effluent Release Report and Offsite Dose Calculation Manual Update (10 CFR 50.36(a)(2))
2. Radiological Environmental Monitoring Report (Licensee TS and ODCM)
3. Personnel Exposure Monitoring Report (10 CFR 20.2206, 10 CFR 20.107, 10 CFR 20.1502)
4. Updated Final Safety Analysis Report Update and Technical Specification Bases Update (10 CFR 50.71(e))
5. Fitness For Duty Program Data Report (10 CFR 26.717(e), 10 CFR 26.417(b)(2))
6. Independent Spent Fuel Storage Installation and Decommissioning Funding (10 CFR 50.75(f)(1), 10 CFR 72.30)
7. Payment of Retrospective Premiums Report (10 CFR 140.21)
8. Insurance Reporting (10 CFR 50.54(w)(3))
9. Foreign Ownership, Control, or Influence Report (10 CFR 95.17(a)(1), 10 CFR 95.19(c)(1))

BREAK
2:30 – 2:40

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ADVANCE Act Section 505 Plans

Jamie Pelton

Deputy Director, NRR/DORL



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Tech Specs as Data Response

Michael Markley

Branch Chief, NRR/DORL



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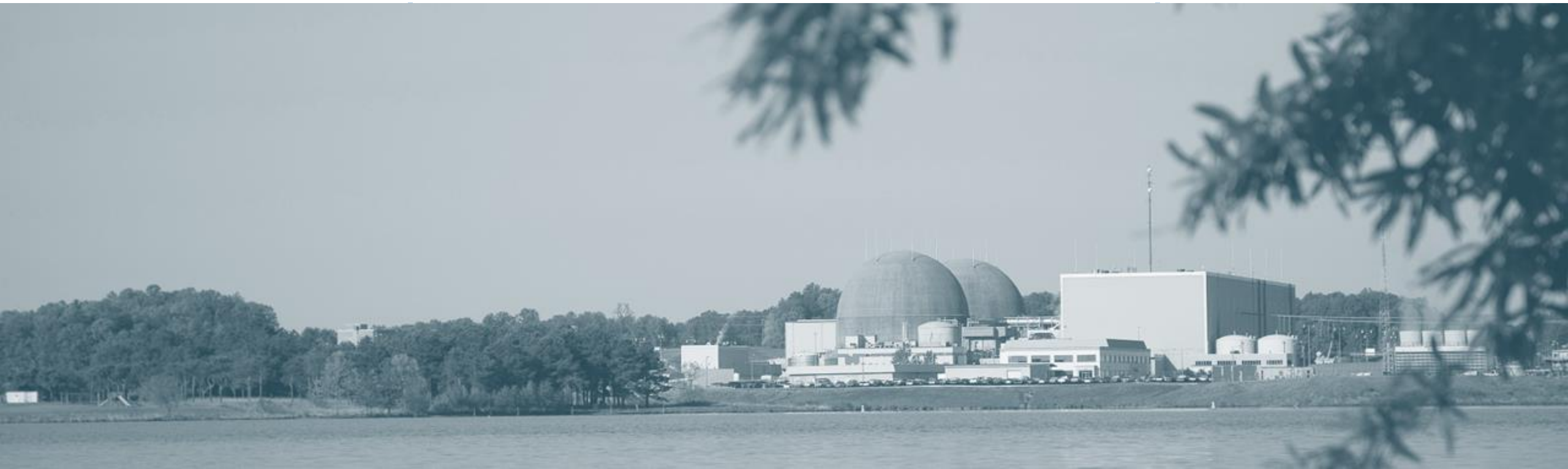
Open Discussion



QUESTIONS AND/OR COMMENTS



OPPORTUNITY FOR PUBLIC QUESTIONS AND/OR COMMENTS



CLOSING REMARKS

