

# ***Millstone Annual Assessment Meeting***

**Welcome!**

**This meeting will start shortly**

If calling in using the phone:

Dial-in Number: (301) 576-2978

Phone Conference ID: 934440395#



# ***Millstone Annual Assessment Meeting***

**Reactor Oversight Process – 2021**

**Nuclear Regulatory Commission - Region I**

**King of Prussia, PA**

**March 24, 2022**







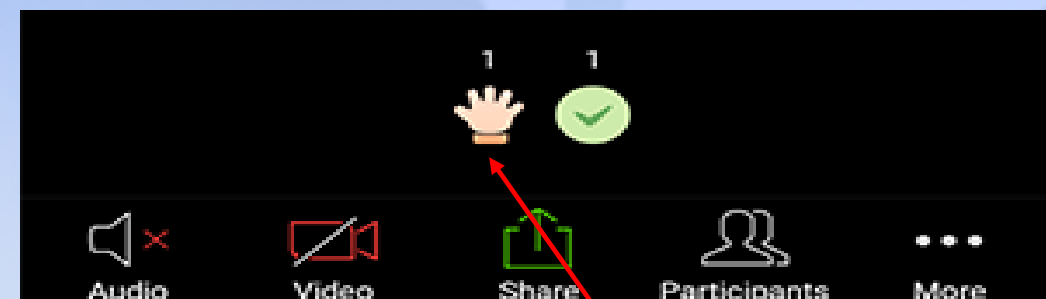
# Agenda

- Opening Remarks – Matt Young
- 2021 Millstone ROP Assessment Summary – Justin Fuller
- COVID–19 Response Update – Justin Fuller
- Nuclear Energy Advisory Council (NEAC) Items of Interest
  - 2021 Unplanned Power Changes (update) - Justin Fuller
  - Local Intense Precipitation Finding- Justin Fuller
  - Unit 2 Turbine Driven Aux Feedwater Check Valve - Justin Fuller
  - Millstone Significant License Changes – Rich Guzman
- Discussion with members of the Connecticut NEAC – Matt Young/Justin Fuller
- Public Question and Answer – Matt Young/Justin Fuller



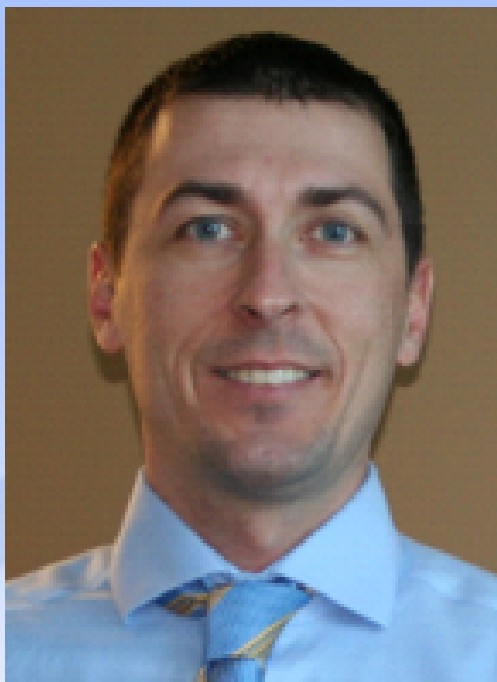
# How To Ask a Question

- Questions will be addressed during the question-and-answer session following the presentation and discussion with NEAC
- If you're on your computer,  
    'raise your hand' to indicate you have a question,
- If on the phone, please  
    unmute your phone and ask your question, then mute yourself again. Thank you.





# Today's Presenters



**Matt Young**  
Branch Chief  
Division of Reactor Projects



**Justin Fuller**  
Senior Resident Inspector



**Richard Guzman**  
NRC Project Manager  
Nuclear Reactor Regulation





# Opening Remarks

- Three full-time residents assigned to Millstone
- Inspectors have unfettered access to all areas of the site
- Technical specialists conduct additional inspection activities
- Inspectors have adapted to COVID-19 work environment







# ***Millstone Resident Inspectors***

**Justin Fuller**

**Sr. Resident Inspector**



**Eben Allen**

**Resident Inspector**



**Earl Bousquet**

**Resident Inspector**





# ***Millstone 2021 Assessment Summary***

- **Millstone operated safely and in a manner that preserved the public health and safety and protected the environment**
- **Millstone Units 2 & 3 remained in the Licensee Response Column of the Action Matrix**
- **8,700+ hours of inspection and related activities**
- **Green Performance Indicators**
- **9 Green Non-Cited Violations (NCVs)**
- **1 Severity Level IV Violation**



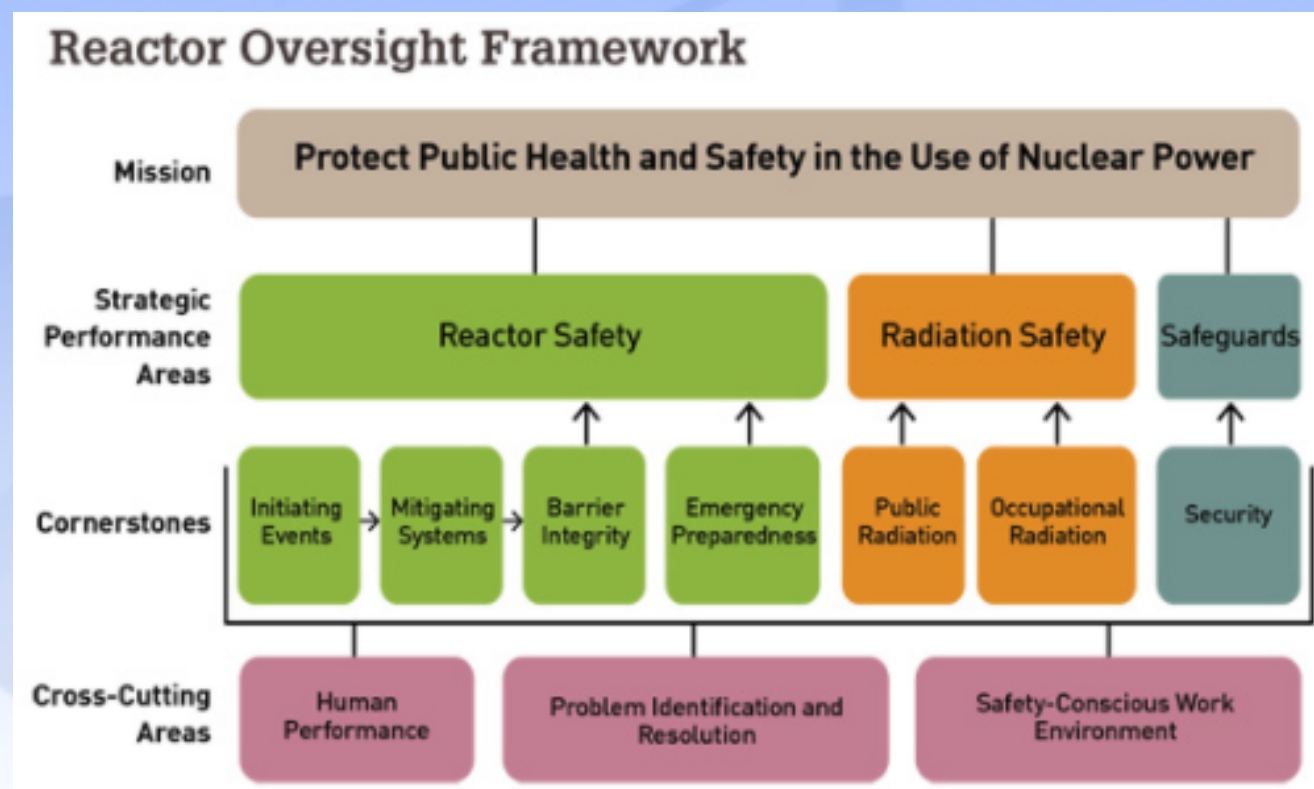
# Safety Conscious Work Environment (SCWE)

## SCWE

- No SCWE concerns
- The last PI&R was December 2020
- Next PI&R scheduled for September 2022

## Allegations

- 4 allegations in 2021
- Resident inspectors and regional staff are highly accessible and take all allegation matters seriously







# ***NRC Actions in Response to COVID-19***

- **Monitored plant activities through inspections and oversight**
- **Maintained emergency response capabilities within Regional Incident Response Centers and NRC Headquarters**







# ***Inspection Impact Due to COVID-19***

<b>INSPECTIONS DEFERRED/DELAYED BEYOND CY 2020 DUE TO COVID-19</b>			
Inspection Procedure # - 'Title'	Originally Scheduled Date	Completed Date	Date Required to be Completed By
IP 71114 Exercise Evaluation	June 2020	June 2021	12/31/2021
IP 71111.11B U2 Licensed Operator Requalification Program	November 2020	December 2021	12/31/2021

## **COVID-19 related licensing actions:**

- Temporary and final exemption from the annual force-on-force exercise requalification requirements of security personnel
- Exemption from the biennial emergency preparedness onsite and offsite exercise
- License Amendment for one-time deferral of the MPS3 steam generator (SG) tube inspections for MPS3 SGs A and C from fall 2020 to spring 2022



# Connecticut Nuclear Energy Advisory Council Items of Interest

# **NEAC Items of Interest**

- **Unplanned Power Changes  
PI (update)**
- **Local Intense Precipitation (LIP)  
Finding**
- **Unit 2 turbine driven aux feedwater  
(TDAFW) check valve 50.72 reports**



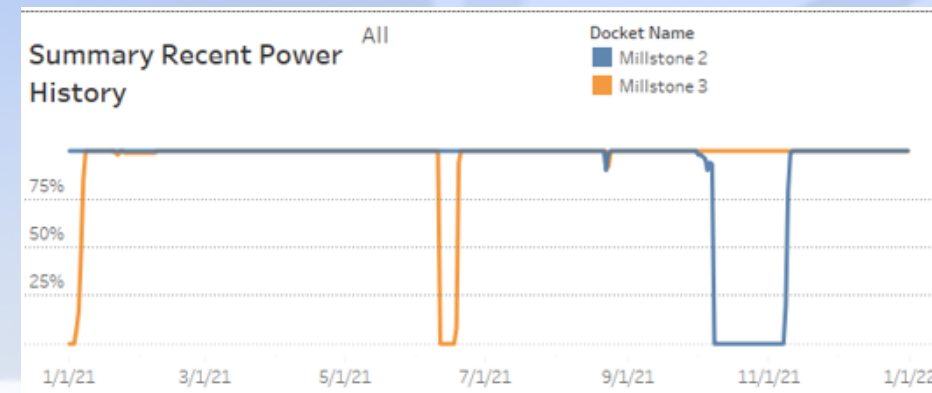




# NEAC Item of Interest - Millstone 2021 Unplanned Power Changes

## No Unplanned Power Changes in 2021

Date	Unit	Impact	Cause
Jan 1	3	Forced Outage	Feed water heater
Jun 10	3	Maintenance Outage	3A RCP Seal
Aug 22	2	90%	Henri
Aug 22	3	92%	Henri
Oct 7	2	0%	Refueling Outage

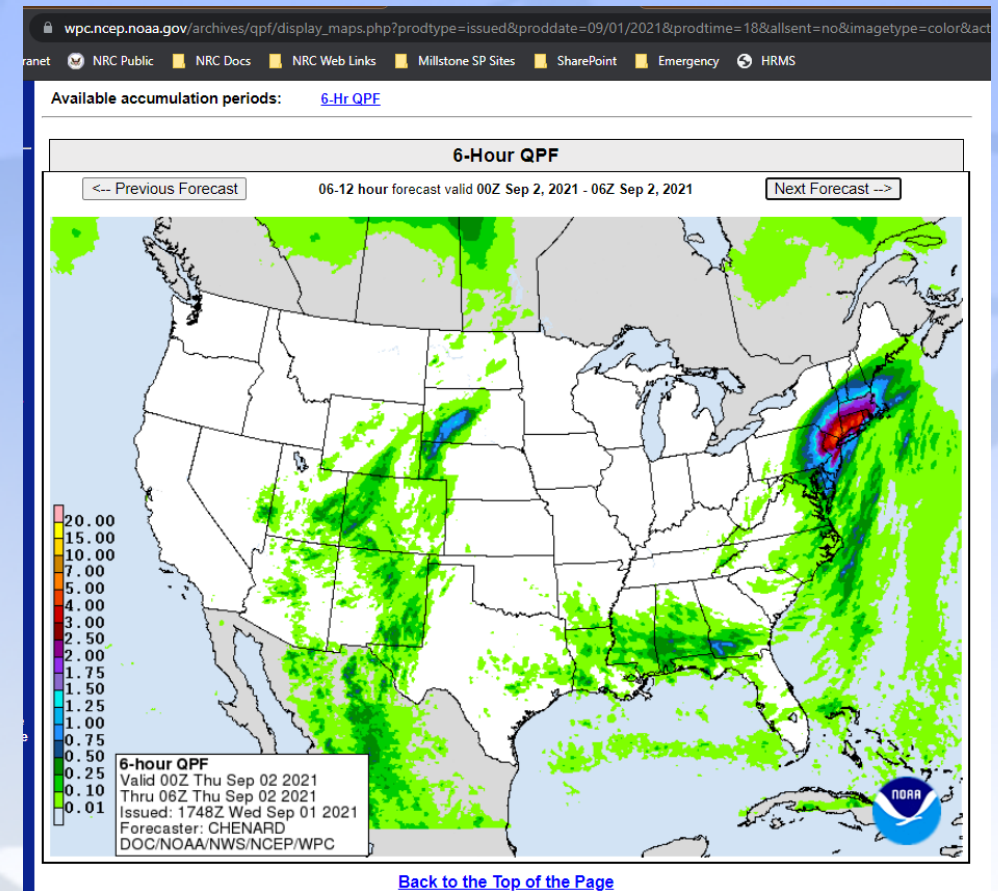






# NEAC Item of Interest - Local Intense Precipitation Finding (LIP)

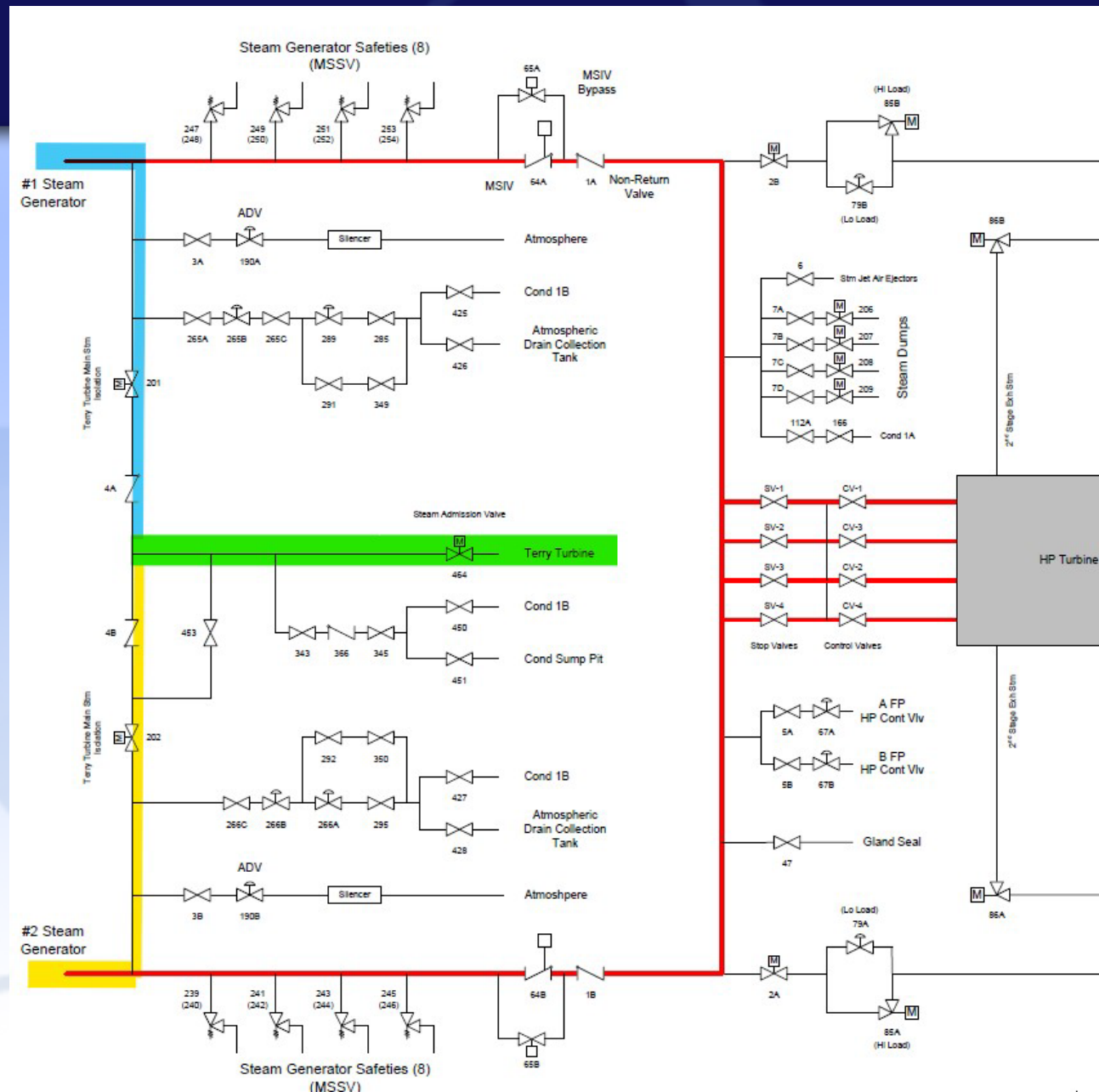
- Remnants of Hurricane Ida 9/1/2021
- Possible LIP was predicted by National Weather Service
- GREEN Non-Cited Violation





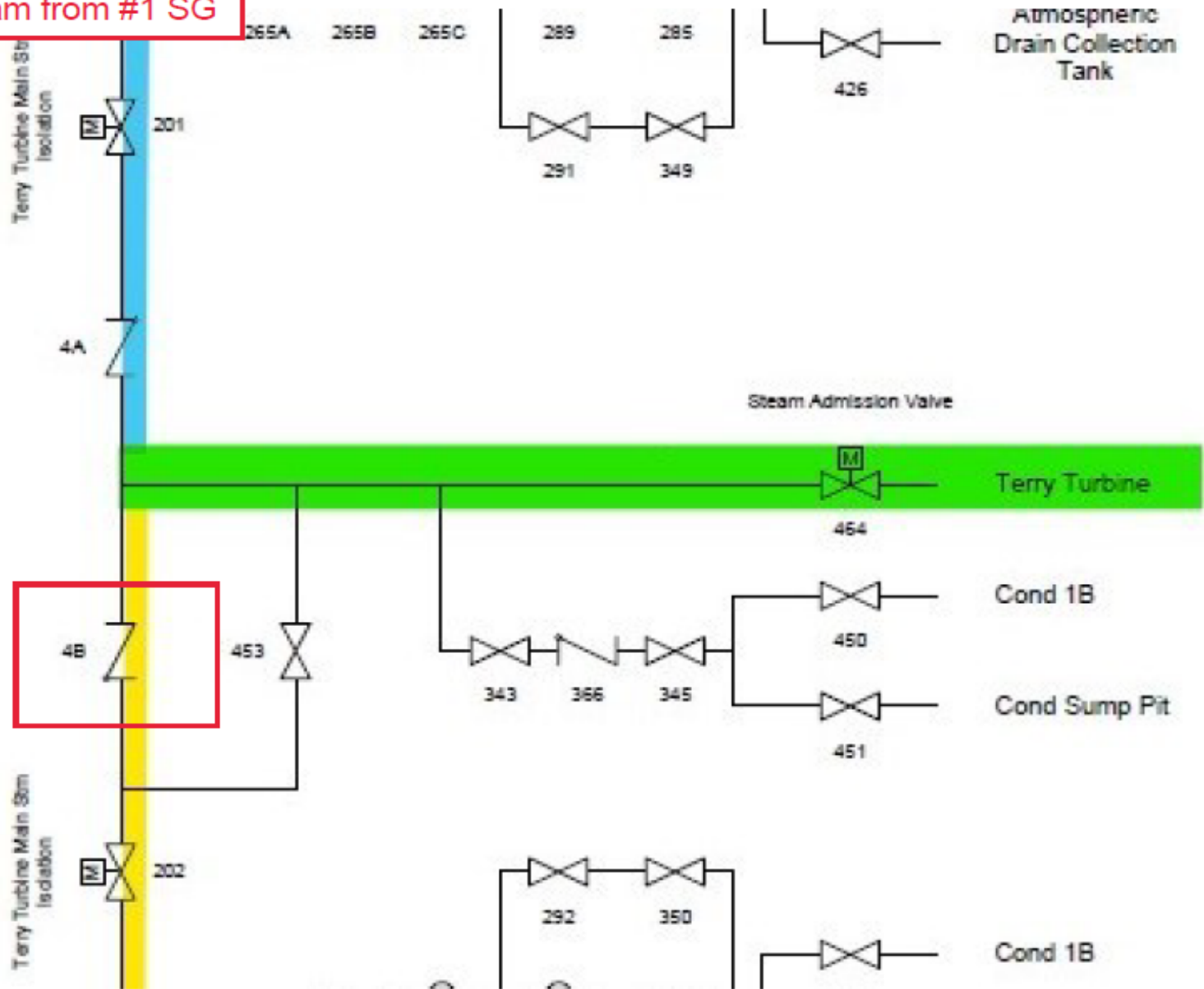
# NEAC Item of Interest – U2 Turbine Driven Aux. Feedwater Check Valve (1 of 2)

- **Event Notifications:**
  - 55565 (11/6/21)
  - 55576 (11/14/21)
- **GREEN Non-Cited Violation of Quality Assurance Criteria 16, Corrective Action**





Steam from #1 SG



Steam from #2 SG





**Richard Guzman**  
**NRC Senior Project Manager**  
**Office of Nuclear Reactor**  
**Regulation**





## ***NEAC Item of Interest – Millstone Significant License Changes***

- **Millstone Unit 3 Measurement Uncertainty Recapture Power Uprate**
- **Millstone Unit 2 Steam Generator Inspection Frequency Technical Specification Revision**
- **Millstone Unit 3 Technical Specification Changes – based on Westinghouse Topical Reports**
  - **Core Operating Limits Report for Large Break Loss of Coolant Accident analysis**
  - **Peak Fuel Centerline Melt Temperature Safety Limits**

**Diane Screnci**

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**Neil Sheehan**

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**610-337-5331**





# NRC Social Media Channels

Facebook

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[www.youtube.com/user/NRCgov](https://www.youtube.com/user/NRCgov)

Flickr

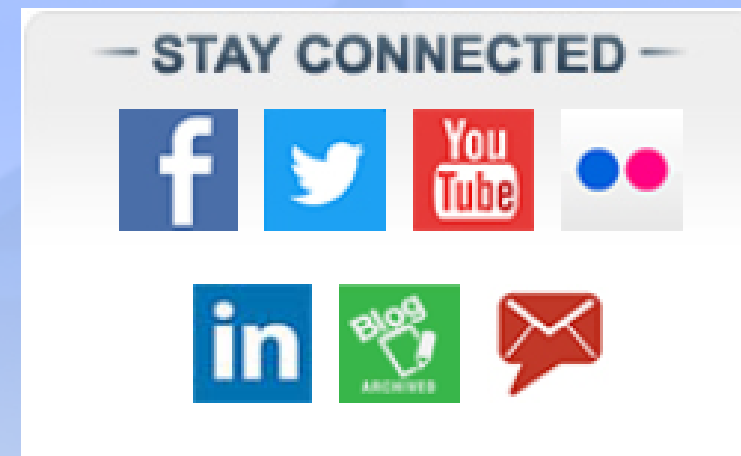
[www.flickr.com/photos/nrcgov/](https://www.flickr.com/photos/nrcgov/)

LinkedIn

[www.linkedin.com/company/u-s--nuclear-regulatory-commission/](https://www.linkedin.com/company/u-s--nuclear-regulatory-commission/)

RSS

[www.nrc.gov/public-involve/listserver.html#rss](https://www.nrc.gov/public-involve/listserver.html#rss)







# Annual Assessment Meeting Feedback

**NRC FORM 635** U.S. NUCLEAR REGULATORY COMMISSION **APPROVED BY OMB: NO. 3150-0217** EXPIRES: 01/01/2023

**NRC PUBLIC MEETING FEEDBACK**

Meeting Date: \_\_\_\_\_ Meeting Title: \_\_\_\_\_

Thank you for attending this public meeting hosted by the NRC. In order to help us understand your views about this meeting and improve future meetings, please take a couple minutes to answer the questions below.

There are several ways you can provide your feedback:

- 1) Scanning the Quick Response (QR) Code on the back of this form with your smartphone to link directly to our feedback page. If you do not have a QR reader on your mobile device, you can use your App store to access available QR scanning applications suitable for your device.
- 2) Through any computer by going to the [Public Meeting Schedule](#) and pressing the "Meeting Feedback" link for the specific meeting, or pressing the "[...more]" link for a specific meeting and then pressing the "Meeting Feedback" link on the "Meeting Details" page.
- 3) By filling out this hard copy of our "Public Meeting Feedback Form" and providing it to an NRC staff member or mailing it in.

Please fold on the dotted lines with Business Reply side out, tape the bottom, and mail back to the NRC.

**Note:** You have up to 30 days after the meeting has ended to submit feedback on the public meeting that you've attended. Thank you again for your participation.

Please address the following statements in terms of your experience at the meeting. 1 is "strongly disagree" and 5 is "strongly agree."

	STRONGLY DISAGREE	DISAGREE	NEITHER AGREE OR DISAGREE	AGREE	STRONGLY AGREE
1. The meeting achieved its stated purpose.	1	2	3	4	5
2. This meeting helped me to understand the topics discussed.	1	2	3	4	5
3. The meeting location, format, starting time, and duration were reasonably convenient.	1	2	3	4	5
4. The meeting facility, room set up, microphones, and visuals used contributed to the success of the meeting.	1	2	3	4	5
5. Attendees, including those participating remotely, were given sufficient opportunity to ask questions or express their views.	1	2	3	4	5
6. Attendees were listened to and understood by NRC staff.	1	2	3	4	5
7. The presentations and explanations given by the NRC staff were understandable, fair and balanced.	1	2	3	4	5
8. I am satisfied overall with the NRC staff who participated in the meeting.	1	2	3	4	5

**OPTIONAL**

Name \_\_\_\_\_ Organization \_\_\_\_\_

Telephone No. \_\_\_\_\_ E-Mail \_\_\_\_\_ ☐ Check here if you would like a member of NRC staff to contact you.

NRC 635 (03-2022)



**Submit feedback: Through any computer by going to the Public Meeting Schedule and pressing the “Meeting Feedback” link for this meeting, or pressing the “[...more]” link for this meeting and then pressing the “Meeting Feedback” link on the “Meeting Details” page.**

**Meeting number: 20220247**

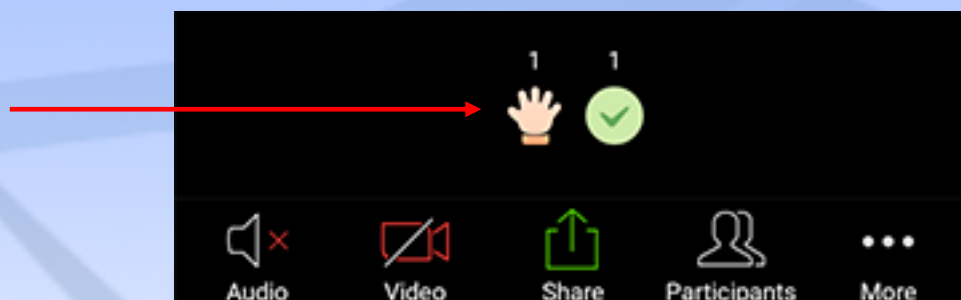


# **Discussion with members of the Connecticut Nuclear Energy Advisory Council**



# Q&A with Members of the Public

- If on the computer, 'raise your hand' when ready to ask your question



- If on the phone, please unmute your phone to ask your question, then mute yourself again. Thank you.







***This ends the Meeting***

***Thank You for Attending!***