

Seabrook Station Annual Assessment Meeting

Reactor Oversight Process – 2023

June 27, 2023



Meeting Conduct

- **Please respect other members of the public**
- **Please be conscious of your speaking time**
- **Questions will be addressed during the Question-and-Answer session following the presentation.**



Agenda - Seabrook



Ray McKinley
Deputy Director,
Region I Division
of Operating
Reactor Safety

- 2022 ROP Plant Performance Assessment and Inspection Activities
- NRC Inspection of Alkali-Silica Reaction (ASR)
- Public Question and Answer



NRC Panelists



Travis Daun
Sr. Resident Inspector



Seamus Flanigan
Resident Inspector



Nik Floyd
Senior Engineer



Matt Young
Branch Chief



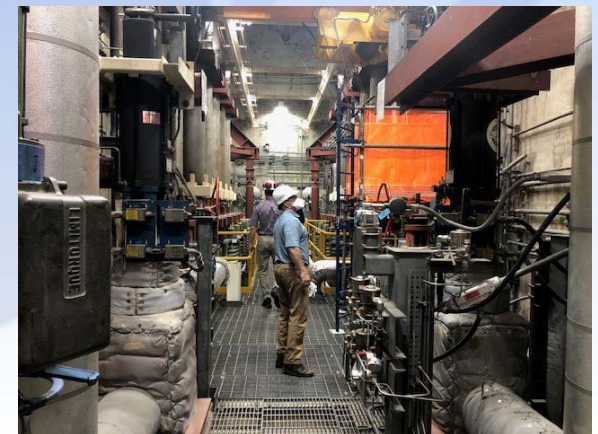
Mel Gray
Engineering Branch Chief
Protecting People and the Environment



NRC Independent Safety Inspections

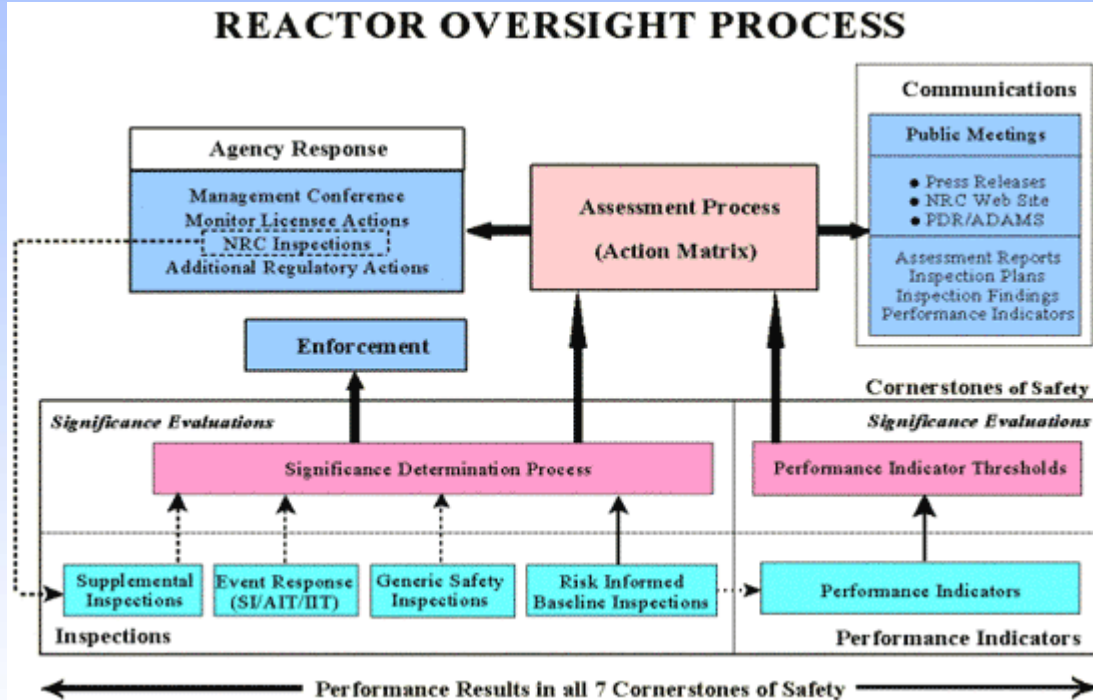
Reactor Oversight Process

- Full-time NRC resident inspectors
- NRC specialists conduct additional inspections at each nuclear plant
- NRC inspectors have unfettered access to all plant activities related to nuclear safety and security



NRC Independent Safety Inspections

Reactor Oversight Process





2022 ROP Plant Performance Assessment at Seabrook

- Seabrook operated safely and in a manner that preserved the public health and safety and protected the environment
- All green performance indicators
- All very low safety significance findings
- **The plant will receive the baseline level of inspection in 2023**



2022 NRC Inspection Activities at Seabrook

~4000 hours of inspection and related activities

– Examples of Resident Inspections

- maintenance activities
- surveillance tests
- operator performance
- emergency preparedness drills

– 2022 Team Inspections

- Security Baseline
- Design Bases Assurance Inspection
- EP Exercise
- Radiation Protection/Environmental Monitoring
- Problem Identification and Resolution





NRC Inspection of ASR at Seabrook

- **In 2022, the NRC completed inspections to assess NextEra's performance to manage the effects of ASR in Seabrook structures**
 - **Resident inspectors and specialist from Region I and NRC Headquarters involved**
 - **Focused on compliance with NRC-approved methodology and license conditions**
- **NRC inspections in 2022 determined Seabrook structures remain capable of performing their safety functions**
- **NRC inspectors identified one finding of very low safety significance**
 - **2Q2022 finding related to not monitoring through-wall expansion of ASR in required Tier 3 locations**



Seabrook Annual Assessment Meeting

Closing Remarks



NRC Social Media Channels

- **LinkedIn:** www.linkedin.com/company/u-s--nuclear-regulatory-commission/
- **Instagram:** www.instagram.com/nrcgov
- **Facebook:** www.facebook.com/nrcgov/
- **Flickr:** www.flickr.com/photos/nrcgov/
- **Twitter:** www.twitter.com/#!/nrcgov
- **YouTube:** www.youtube.com/user/NRCgov
- **RSS:** www.nrc.gov/public-involve/listserver.html#rss



Annual Assessment Meeting Feedback

1. Mail in NRC feedback form

NRC FORM 639 U.S. NUCLEAR REGULATORY COMMISSION **APPROVED BY OMB NO. 3150-0247** EXPIRES: 02/28/2025
800-693-0243

NRC PUBLIC MEETING FEEDBACK

Meeting Date: 06/27/2023 Meeting Title: SEABROOK ANNUAL ASSESSMENT MEETING 2022

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 "I...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	Neutral	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 FORM 639-02/2023

- OR -

2. Scan QR Code on back of form with smart device



- OR -

3. At any computer, go to the Public Meeting Schedule and press the "Meeting Feedback" link for this meeting – or - press the "[...more]" link for this meeting and then press the "Meeting Feedback" link on the "Meeting Details" page.



For Additional Information

Contact a Public Affairs Officer



Diane Screnci
Sr. PAO
610/337-5330
Diane.screnci@nrc.gov



Neil Sheehan
PAO
610/337-5331
Neil.sheehan@nrc.gov



Q&A Session



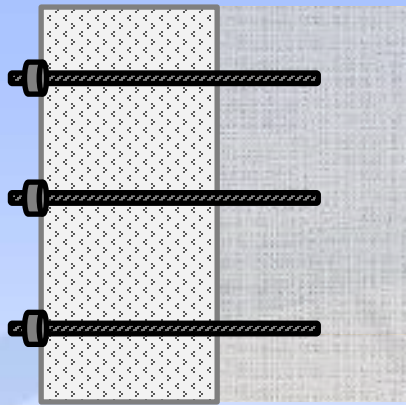
Question & Answer Session

***Thank you for
your participation***

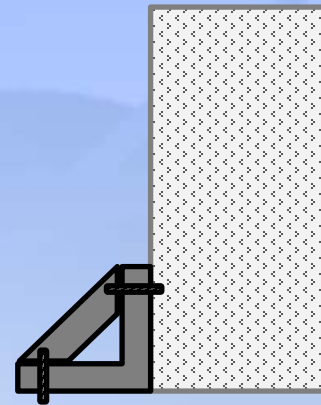
Reference Slides



Structural Modification Examples



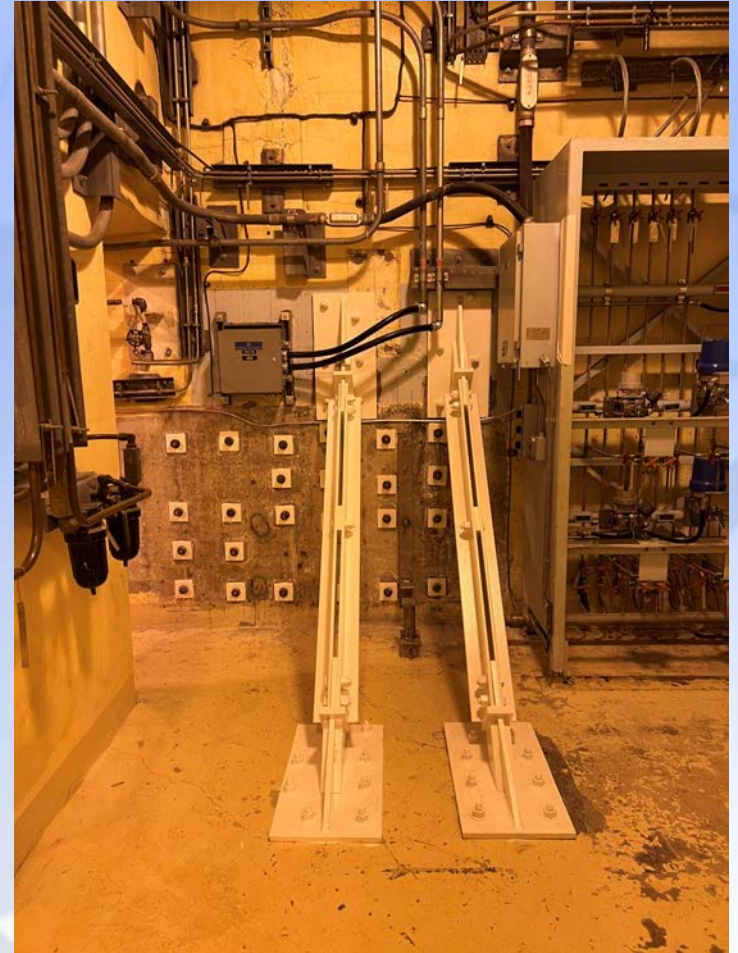
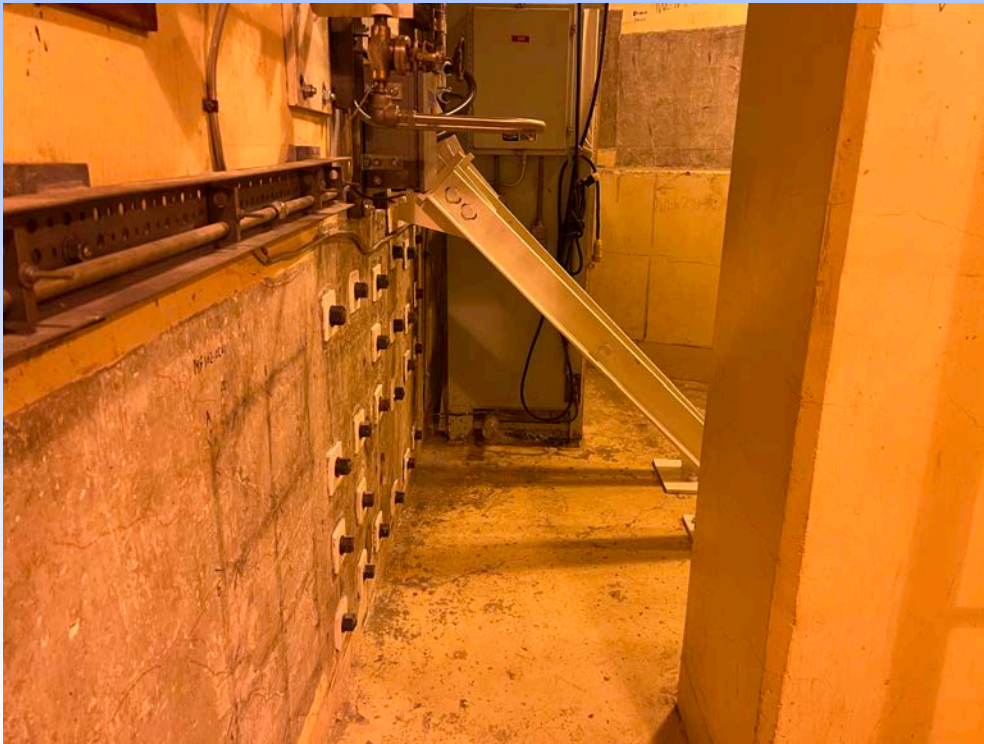
***Example 1 –
Strong backs***



***Example 2 –
Corner braces***

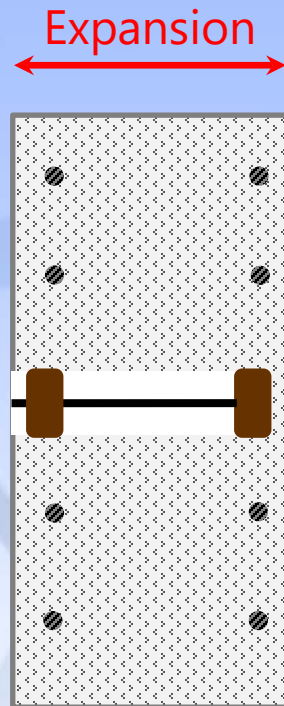


Structural Modification Examples





Throughwall Expansion Monitoring



Through wall expansion with borehole extensometer