



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

April 11, 2014

MEMORANDUM TO: Michael F. King, Chief
Reactor Projects Branch 5
Division of Reactor Projects

FROM: Brad D. Bishop, Project Engineer /RA/
Reactor Projects Branch 5

SUBJECT: PUBLIC MEETING SUMMARY– NORTH ANNA POWER
STATION DOCKET NOS. 50-338, 50-339

On April 20, 2014, the Nuclear Regulatory Commission staff met with members of the public concerning the annual assessment of North Anna Power Station in Louisa, Virginia. The purpose of the meeting/open house session was to provide opportunities to discuss the annual assessment of North Anna Power Station with the public for the period of January 1, 2013 – December 31, 2013. Enclosed are a list of attendees, copies of the poster boards displayed at the meeting, and the meeting handouts.

Docket Nos.: 50-338, 50-339
License Nos.: DPR-4, DPR-7

Enclosures:

1. Attendee Sign-in Sheet
2. Poster Boards
3. Meeting Handout

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☒ PUBLICLY AVAILABLE ☐ NON-PUBLICLY AVAILABLE ☐ SENSITIVE ☒ NON-SENSITIVE
ADAMS: ☒ Yes ACCESSION NUMBER: _____ ☒ SUNSI REVIEW COMPLETE ☐ FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP	RII:DRP				
SIGNATURE	BDB /RA/	SON /RA/	MFK /RA/				
NAME	BBishop	SNinh	MKing				
DATE	03/26/2014	03/26/2014	04/02/2014				
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

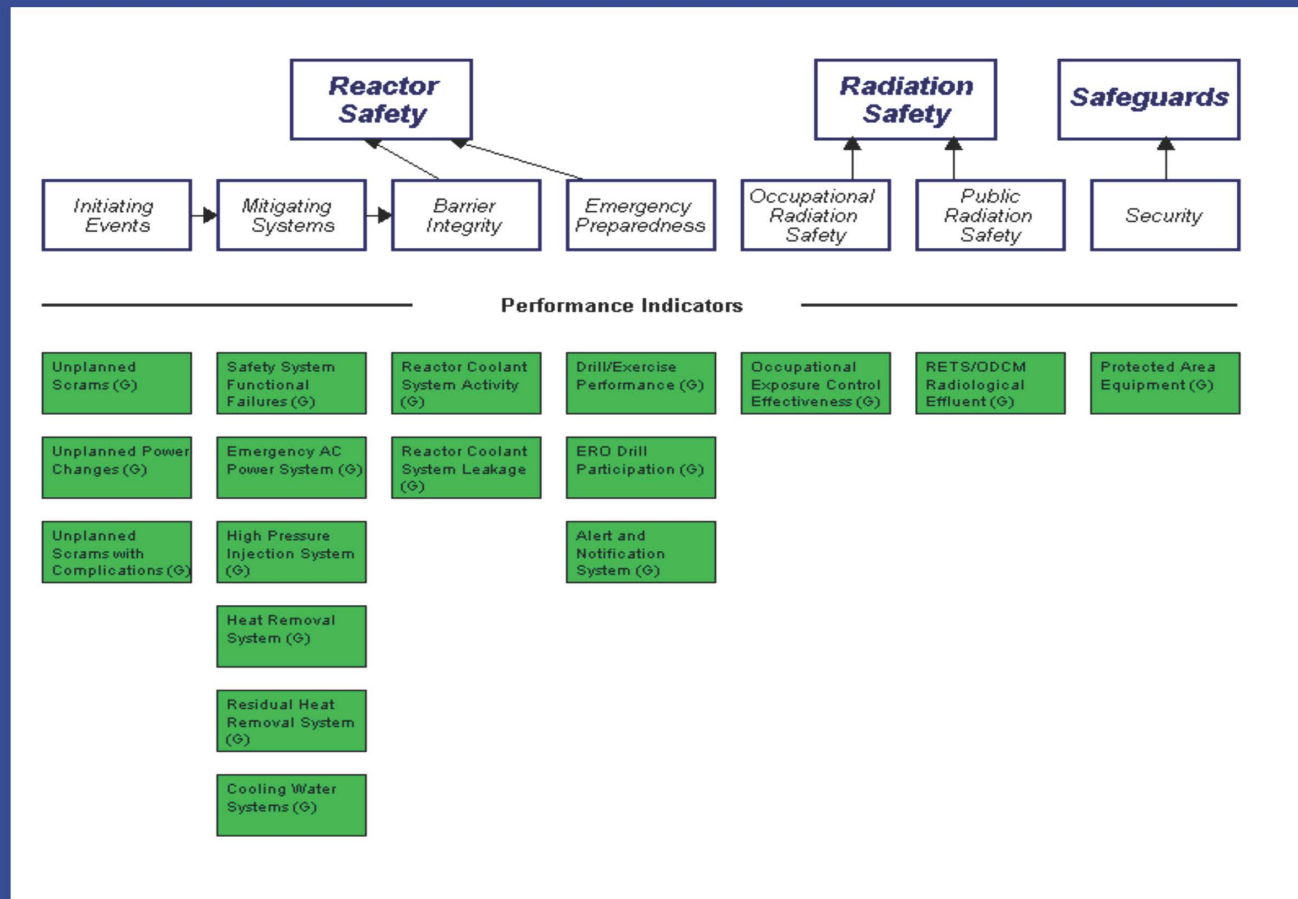
OFFICIAL RECORD COPY DOCUMENT NAME: G:\DRPI\RPB5\2013 END-OF-CYCLE\NORTH ANNA\NORTH ANNA
POST MEETING MEMO.DOCX

**U.S. Nuclear Regulatory Commission
North Anna Power Station 2013 End of Cycle Public Meeting
March 20, 2014**

Attendees:

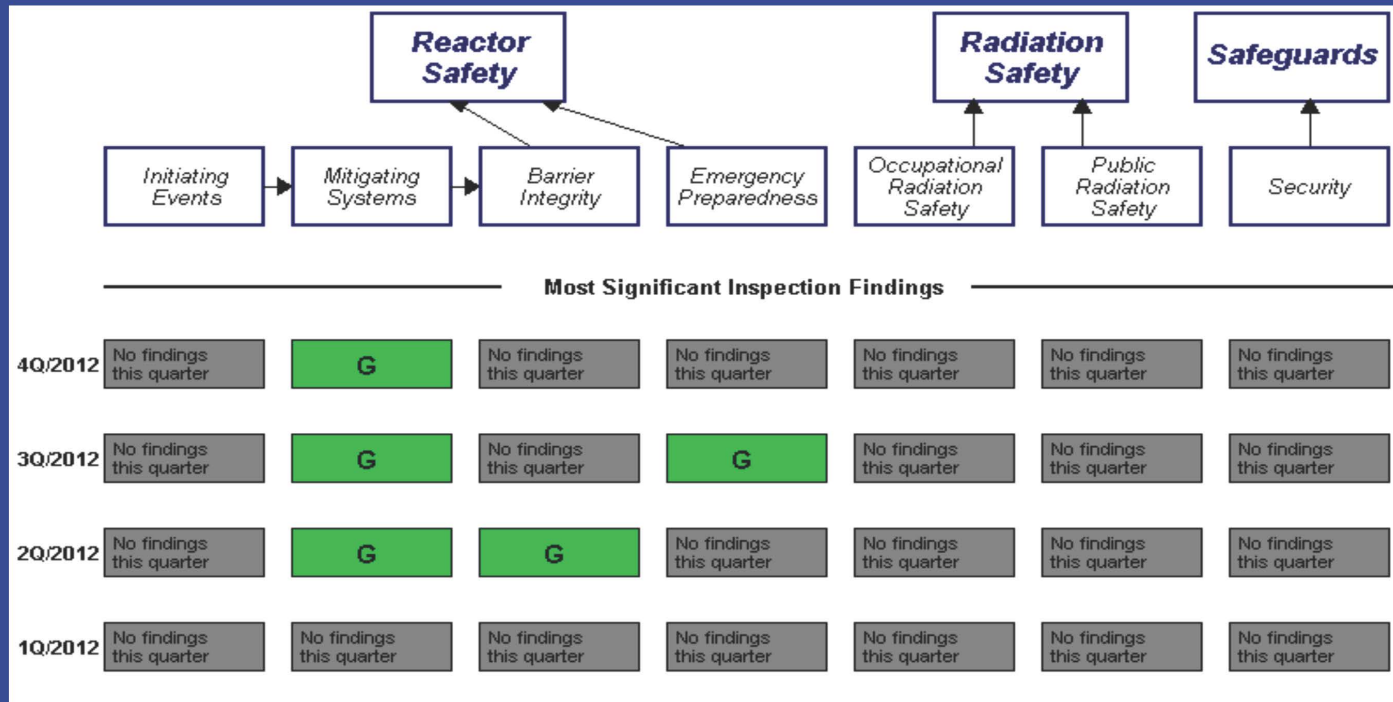
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North Anna





North Anna



The map displays the following NSPL sites (Name, Acreage):

- Alaska: None
- California: Diablo Canyon 1.2, San Geronimo 2.3
- Arizona: Palo Verde 1.2, 3.3
- Nevada: None
- Idaho: None
- Montana: None
- Wyoming: None
- Utah: None
- Colorado: None
- Nebraska: Fort Calhoun
- Kansas: Cooper, Wolf Creek
- Oklahoma: Comanche Peak 1.2
- Texas: South Texas Project 1.2
- North Dakota: None
- South Dakota: None
- Minnesota: Mastichead
- Wisconsin: Point Beach 1.2
- Illinois: Clinton 1, Callaway
- Indiana: Spencer 2.3, Bradwood 1.2
- Michigan: Cook 1.2, Farm 2
- Ohio: None
- Kentucky: None
- Tennessee: Watts Bar 1, Sequoyah 1.2, Brown's Ferry 2.3
- Mississippi: None
- Alabama: Farley 1.2
- Georgia: Hahb 1.2, Crystal River 2
- Florida: Turkey Point 3.4, St. Lucie 1.2
- North Carolina: Harris 1, McDowell 1.2, Spencer 1.2, 3.3, Robeson, Beaufort 1
- Virginia: North Anna 1.3, Barry 1.2
- West Virginia: Calvert Cliffs 1.2
- Delaware: None
- Maryland: Severn Valley 1.2
- Pennsylvania: Three Mile Island 1, Peach Bottom 1.2, Susquehanna 1.2
- New Jersey: Indian Point 3.2
- New York: FlibPatriot, New Mills Point 1.2
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- T



A Day in the Life of an NRC Resident Inspector



1



2

The NRC Resident Inspector is a specially trained nuclear power expert who lives in the community around the plant.



3

Even though they are employed by the NRC, the Resident Inspectors work at the plant site. But, strict rules require them to be independent and they can't even socialize with plant employees.



4

As with everyone at the plant, the Inspector passes through security checkpoints.



5

Each morning, the Inspector visits the reactor's Control Room and gets information on the plant status from the operators.



6

Resident Inspectors also attend the "Plan of the Day" meeting with plant officials to understand what plant activities are scheduled for that day.



10

Inspectors meet with plant management on a regular basis to discuss plant safety issues found during their inspections. The Inspectors would immediately notify plant management if they identified an urgent safety issue. These inspection reports are available to the public each quarter.



9

Resident Inspectors work as a team with other NRC experts to make sure the plant is following NRC rules.



8

Resident Inspectors – there are at least two at each site – prioritize their activities each day, with safety as the key measure.



7

The Inspector provides the plant status and safety information to the NRC Regional Office every morning.



11

As part of their routine, Resident Inspectors walk through the plant and inspect plant facilities and operations. These inspections allow them to watch plant workers at their jobs.



12

Resident Inspectors also observe plant workers during emergency exercises. Inspectors watch to make sure everyone knows what they are supposed to do and are following NRC rules.



13

During a real emergency, Resident Inspectors work with plant employees to address the issue and report to NRC Headquarters what is happening at the plant.



14

Plant workers can bring their concerns about plant management directly to the Resident Inspectors or submit them anonymously. These concerns are handled by the NRC allegation process.



15

NRC Resident Inspectors get the chance to inspect and visit other plants, because of their special skills and to put "fresh eyes" on other issues elsewhere.



18

Have a safe day!



17

Resident Inspectors play a very important role for the NRC. They are the agency's on-the-ground eyes and ears.



16

Inspectors have training opportunities to help them do their job better and prepare for another position in the NRC. They can only work at any one plant site for 7 years.

North Anna Power Station, Units 1 and 2 Annual Assessment Meeting

**2013 Reactor Oversight Process
Nuclear Regulatory Commission
Region 2**



NRC Strategic Plan Goals



- Safety – Ensure adequate protection of public health and safety and the environment
- Security – Ensure adequate protection in the secure use and management of radioactive materials



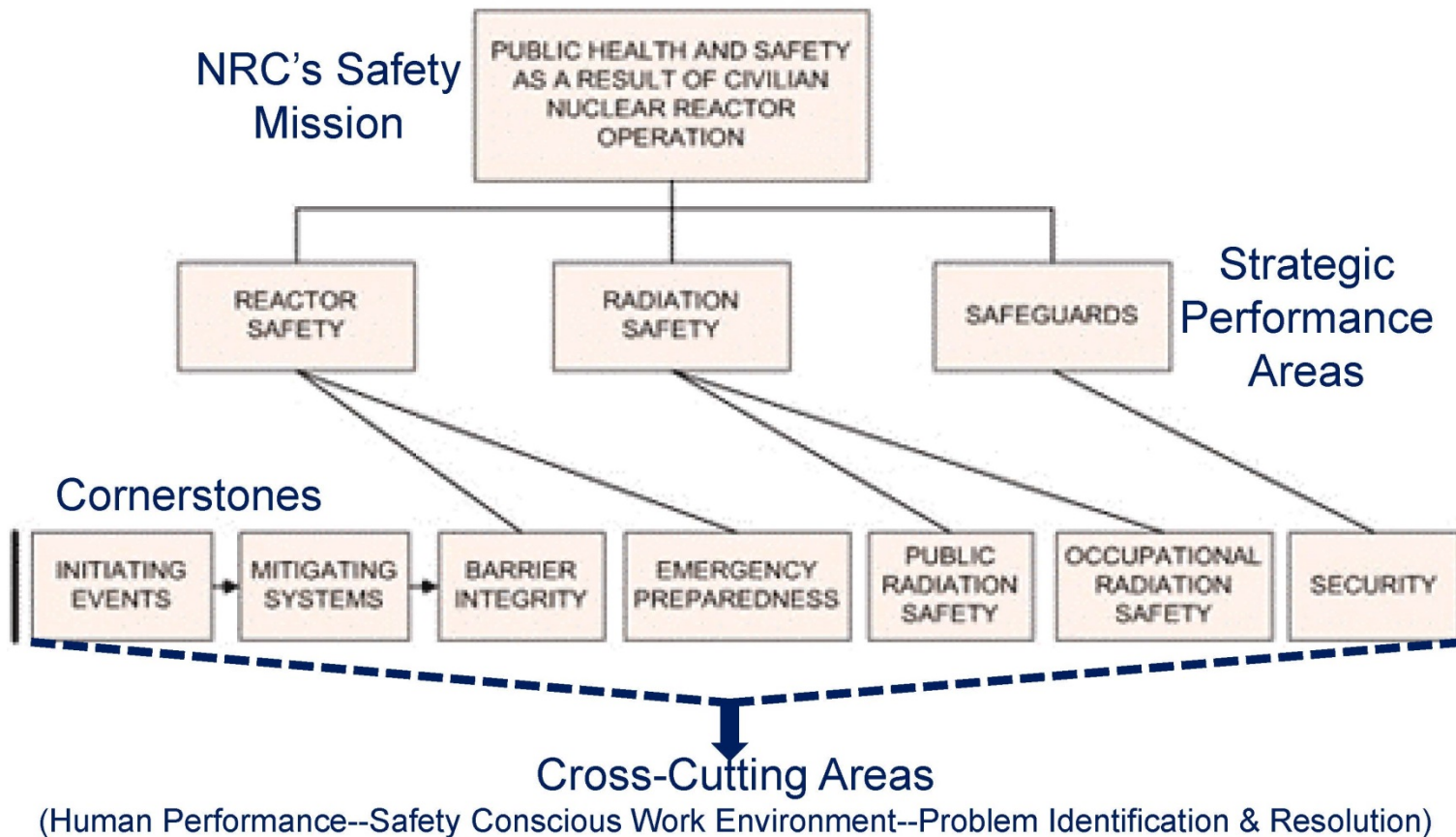
NRC Annual Assessment Summary

North Anna Power Station

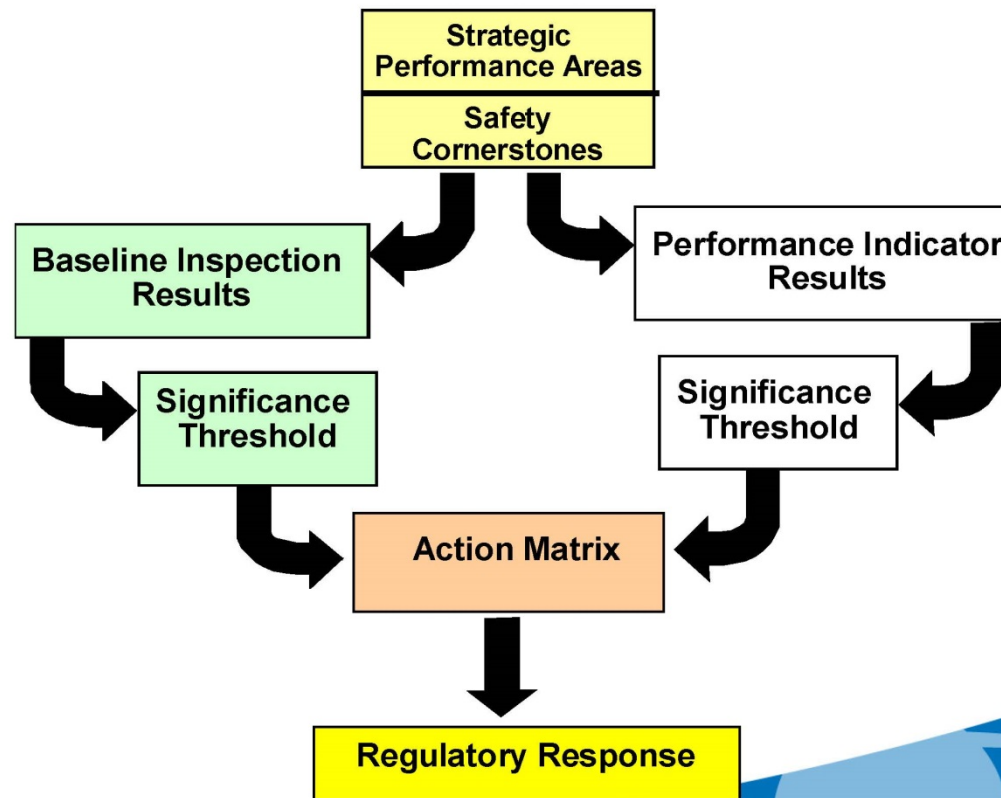


- VEPCO operated the plant safely and in a manner that preserved the public health and safety and protected the environment.
- North Anna Power Station, Units 1 and 2 were in the Licensee Response Column of the NRCs Reactor Oversight Process (ROP) Action Matrix for all of 2013.

Regulatory Framework



Reactor Oversight Process





NRC Inspection Activities

North Anna Power Station, Units 1 and 2 for 2013

- Approximately 4600 total hours of inspection and related activities for the facility.
- 2 resident inspectors on site
 - residents document inspections and results in 4 quarterly inspection reports per year
- 8 regional inspections
- 2 major team inspections
 - Problem identification and resolution inspection
 - Radiation protection inspection

North Anna Power Station, Units 1 and 2 Inspection Activities



January 1 - December 31, 2013

- TI-182, Buried Piping/Tank Phase 1 inspection
- Independent Spent Fuel Storage Installations (ISFSI) seismic corrective action inspection



North Anna Power Station, Units 1 and 2 Pls and Findings



- Performance Indicators were all Green
- 5 Green inspection findings
- No ***greater than Green*** inspection findings





Significance Threshold

Performance Indicators

- **Green** Baseline Inspection
- **White** Requires additional NRC oversight
- **Yellow** Requires more NRC oversight
- **Red** Requires most NRC oversight

Inspection Findings

- **Green** Very low safety issue
- **White** Low to moderate safety issue
- **Yellow** Substantial safety issue
- **Red** High safety issue

Action Matrix Columns



Licensee Response	Regulatory Response	Degraded	Multiple/Repetitive Degraded	Unacceptable Performance
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Increasing

- Safety Significance
- Inspection
- Management Involvement
- Regulatory Action



National Summary of Plant Performance



Status as of 12/31/2013

Licensee Response	80
Regulatory Response	9
Degraded Cornerstone	9
Multiple/Repetitive Deg. Cornerstone	1
Unacceptable	0
IMC 0350 Oversight	1
Total	100

Fukushima Recommendations



- Mitigating Strategies Order
 - Requires strategies to cope with a long term loss of safety systems
 - Interim Staff Evaluation of Licensee's Plan issued
 - Will be audited and inspected
- Spent Fuel Pool Instrumentation Order
 - Requires accurate remote level indication
 - Interim Staff Evaluations were issued
 - Will be audited and inspected

Fukushima Recommendations



- Flooding and Seismic Walkdowns
 - Verify that the site can meet its current requirements for hazard protection
 - Walkdowns are complete; evaluations to be issued by the end of the summer
- Flooding and Seismic Hazard Reevaluations
 - Hazards will be re-evaluated using present-Day information



Plans at North Anna for 2014



- NRC plans baseline inspections at North Anna Power Station, Units 1 and 2 for the remainder of 2014. This includes:
 - Plant modifications inspection
 - Operator license initial exam
 - Emergency preparedness exercise inspection
 - Heat sink performance inspection
 - Radiation protection inspections
 - Unit 2 Inservice inspections

Open to the Public



- The NRC places a high priority on keeping the public and stakeholders informed of its activities.
- At www.nrc.gov, you can:
 - Find public meeting dates and transcripts;
 - Read NRC testimony, speeches, press releases, and policy decisions; and
 - Access the agency's Electronic Reading Room to find NRC publications and documents.

Contacting the NRC



- Report an emergency
 - (301) 816-5100 (call collect)
- Report a safety concern
 - (800) 695-7403
 - Allegation@nrc.gov
- General information or questions
 - www.nrc.gov
 - Select “What We Do” for Public Affairs

NRC Social Media Tools



NRC Blog <http://public-blog.nrc-gateway.gov/>



NRC Twitter <https://twitter.com/#!/NRCgov>



NRC Chat <http://chat.nrc-gateway.gov/>



NRC YouTube <http://www.youtube.com/user/NRCgov>



NRC Flickr Gallery <http://www.flickr.com/people/NRCgov>



NRC RSS Feeds <http://www.nrc.gov/public-involve/listserver.html#rss>



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