

North Anna Power Station Seismic Event

Public Meeting Between NRC and Dominion
Mineral, VA
November 1, 2011

Public Meeting to Address North Anna Power Station Seismic Event

Agenda

- Opening Remarks by Meeting Facilitators
- Dominion Presentation
- NRC Presentation

Opening Remarks by Meeting Facilitators

- Meeting Purpose & Format
- Administrative Issues
- Speaker Sign-up
- Presenter Introductions

North Anna Power Station Seismic Event: Status of NRC Inspection and Review Activities

U.S. Nuclear Regulatory Commission
November 1, 2011
Mineral, Virginia



NRC Initial Response

- Inspectors On Site
- Agency in Monitoring Mode
- Issuance of Confirmatory Action Letter
- Augmented Inspection Team

Augmented Inspection Team - Purpose

- Collect Factual Information and Evidence
- Assess Response
- Identify any Generic Issues
- Conduct an Independent Review

Augmented Inspection Team - Observations

- North Anna Responded to the Event in a Manner Which Protected Public Health and Safety
- Ground Motion from the Earthquake Exceeded Plant's Licensed Design Basis at Certain Frequencies
- No Damage to the Safety Related Systems of the Plant
- Safety System Functions were Maintained
- Operators Responded to the Event in Accordance With Established Procedures.

Restart Readiness Inspection - Focus

- Evaluation of Licensee's Walkdowns
- Corrective Action Follow-up
- Review of Actions to Support Startup

Restart Readiness Inspection - Observations

- The Inspection is Still in Progress
- Team has not Identified any Damage to Safety Related Equipment from the Seismic Event

Restart Requirements

- Appendix A to 10 CFR Part 100
 - Appendix A to Part 100—Paragraph V(a)(2) states, *“If vibratory ground motion exceeding that of the Operating Basis Earthquake occurs, shutdown of the nuclear power plant will be required.”*
 - *Prior to resuming operations, the licensee will be required to demonstrate to the Commission that no functional damage occurred to those features necessary for continued operation without undue risk to the health and safety of the public.”*

Technical Review

- Regulatory Guidance
 - Actions prior to restart
 - Long Term Actions
- Inspections, Testing, and Evaluations

Key Technical Areas of Review

- Reactor Vessels and Internals
 - Reactor Systems
 - Mechanical/Structural Eng.
 - Instrumentation & Controls
 - Electrical Engineering
 - Piping
- Fuels
Pumps and Valves
Balance of Plant
Containment
Steam Generators
Fire Protection

Path Forward

- The staff will continue safety reviews as part of the restart decision making process.
- The NRC will ensure that Dominion has demonstrated that the plant is safe to operate before approving restart.

Follow-Up Activities

- Inspections During Restart
- Long Term Evaluations
- Long Term Licensing Activities

For Additional Information:

<http://www.nrc.gov/about-nrc/emerg-preparedness/virginia-quake-info.html>



Question/Answer Session