



NRC Briefing on Region I Activities and External Engagement

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Communications with NRC and State & Local Governments

Excellent communications with Region I governmental entities

- Day-to-day operations
- Special inspections
- Workforce development initiatives
- Community information days
- Tours

State and local legislative and regulatory efforts



Risk Insights in the Inspection Program

Positive benefits from using risk insights in the inspection program

- Inspection Finding Review Board
- Inspections focus on issues of most safety significance

Opportunity to further use risk insights to modernize data underlying the ROP

- Use more recent industry performance data to determine risk significance policy thresholds

Nuclear Operational and Safety Performance at All-Time Highs

A comprehensive review of publicly available operational and safety performance metrics demonstrates that the U.S. nuclear industry has consistently and substantially improved both performance and safety. Industry's high level of performance manifests itself in many ways, including public safety, worker safety and plant reliability.

KEY POINTS

- U.S. nuclear plants are operating at the highest levels of performance ever and the highest levels of safety and reliability in the world.
 - This performance trend is so significant that, over the past 20 years, every average NRO and NRC performance indicator for the U.S. nuclear industry has improved.
 - Performance improvements have consistently occurred across the entire spectrum of U.S. plants and are reflected in both average and limiting performance measures.
- There is a clear nexus between operational performance and improved safety.
 - Industry performance improvements have enhanced nuclear safety and plant reliability and reduced risk.
 - The same actions, programs and processes that drive improved operational performance also enhance safety.
- A risk-informed focus improves safety.
 - Focusing resources on the most significant safety issues increases safety and reduces risk.
 - NEI's data and risk models demonstrate the significant improvement in safety achieved over the past 20 years.

Performance Improvement

- Equipment Reliability
- Sharing of Operational Experience
- Process Improvements
- Risk-informed Focus

Safety Performance

- Reduced Plant Challenges
- Safety Equipment Reliability
- Plant Safety Enhancements
- Fewer Significant Findings
- Lower Plant Risk

Operational Performance

- Reliable Equipment
- Efficient Operations
- Shorter, Safer Outages
- Improved Capacity Factor

Performance - Safety Nexus

Additional information is provided in NEI 20-04, *The Nexus Between Safety and Operational Performance in the U.S. Nuclear Industry*.

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The Nexus Between Safety and Operational Performance in the U.S. Nuclear Industry

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Transition to Digital Instrumentation & Control

Limerick Digital Modernization Project is well underway

- License amendment request filed Sept. 2022
- Several learnings:
 - Extensive pre-submittal meetings were very effective
 - Audit Open Item Process is productive
 - Communication with NRC Project Managers is excellent
 - Potential opportunity to obtain clarity on Human Factors Evaluation

Discussing with Region I plans to conduct inspections during the first installation





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Thank You

