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# **Prairie Island Public Meeting Addressing Substantive Cross-Cutting Issues in the Area of Human Performance**



Welch, MN  
December 1, 2009

# Purpose of Today's Meeting

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- NRC and the public to gain a better understanding of the actions the licensee has taken to address the substantive Human Performance cross-cutting issues identified in the 2009 mid-year assessment letter
- Licensee will discuss how they have addressed human performance issues

# Agenda



- Introduction
- Opening Remarks
- NRC Presentation
- Licensee Presentation
- Questions
- Licensee Closing Remarks
- NRC Closing Remarks
- NRC available to address public questions

# NRC Representatives



- Mark Satorius, Regional Administrator
  - (630) 829-9657
- Steven West, DRP Division Director
  - (630) 829-9634
- Jack Giessner, Branch Chief
  - (630) 829-9619
- Karla Stoedter, Senior Resident Inspector
  - (651) 388-8209
- Paul Zurawski, Resident Inspector
  - (651) 388-8209

# NRC Performance Goals

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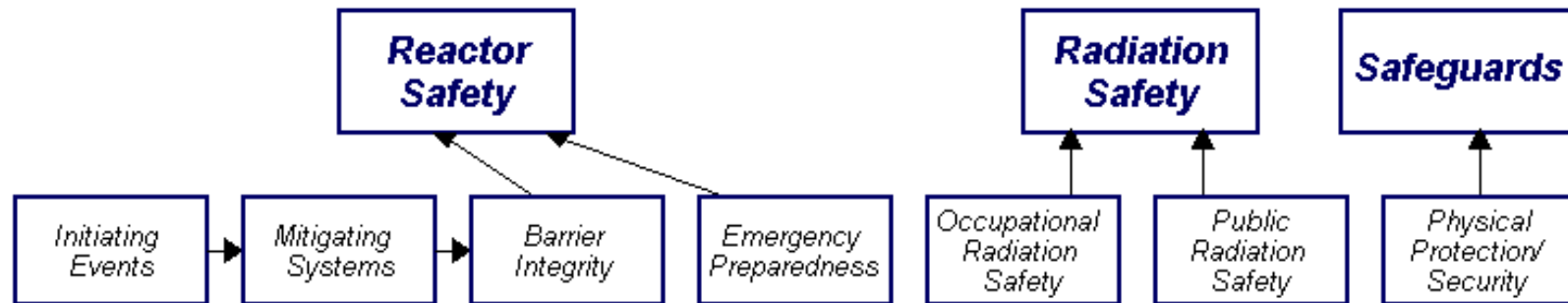
## *Safety*

Ensure adequate protection of public health and safety and the environment

## *Security*

Ensure adequate protection in the secure use and management of radioactive materials

# Reactor Oversight Process



- 3 Strategic Performance Areas are divided into 7 Cornerstones of Safety
- Inspection Findings and Performance Indicators are assigned to a Cornerstone
- Inspection Findings can be assigned a cross-cutting aspect (a causal factor for the issue)
  - Human Performance
  - Problem Identification and Resolution
  - Safety Conscious Work Environment

# Reactor Oversight Process

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- There are 109 Operating Reactors in the United States
  - 85 Licensee Response Column
  - 23 Regulatory Response Column
  - 1 Degraded Column
  - 0 Multiple Degraded Column
- Of the 109 Reactors, 10 have Substantive Cross-Cutting Issues

# Current Prairie Island Assessment



Unit	3Q08	4Q08	1Q09	2Q09	3Q09
Unit 1		U1 AFW-trip (White)	U1 AFW-trip (White)	U1 AFW-trip (White)	U1 AFW-trip (White)
			Shipping (White)	Shipping (White)	Shipping (White)
Action Matrix Column	Licensee Response	Regulatory Response	Regulatory Response	Regulatory Response	Regulatory Response
Unit 2			Shipping (White)	Shipping (White)	Shipping (White)
					HELB/CCW (White)
Action Matrix Column	Licensee Response	Licensee Response	Regulatory Response	Regulatory Response	Regulatory Response

- Unit 1 is in the Regulatory Response Column: 2 White Findings (Mitigating Systems and Public Radiation Safety Cornerstones)
- Unit 2 is in the Regulatory Response Column: 2 White Findings (Mitigating Systems and Public Radiation Safety Cornerstones)



# What is a Cross-Cutting Issue?



**U.S.NRC**  
UNITED STATES NUCLEAR REGULATORY COMMISSION  
*Protecting People and the Environment*

- Start with a finding
- Finding might involve a Cross-Cutting Issue
  - They are viewed as a contributor to the violation/finding
  - NOT violations of NRC requirements

# What is a Substantive Cross-Cutting Issue?

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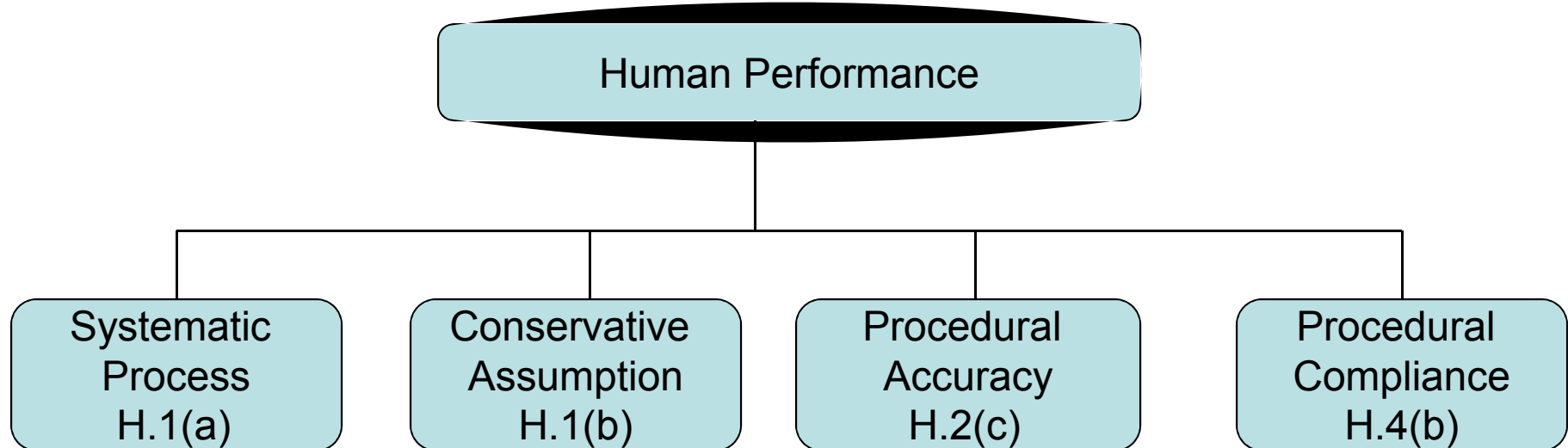


- Numerous findings that share a common cause result in a “Substantive Cross-Cutting Issue” (SCCI)
- How do we identify an SCCI?
  - 4 or more inspection findings with the same cause in 1 year
  - Does the NRC have a concern in the actions taken to address the issue

# Substantive Cross-Cutting Issue at Prairie Island



- For the 2009 Mid-Year Assessment, the NRC identified an SCCL in



# What is the NRC doing?

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- Additional meetings with the licensee
- Focus inspections in the area of Human Performance
- Assessment during the next End-of-Year assessment

# Closure of SCCI

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- The cross-cutting issues will be cleared when the NRC is satisfied that the licensee has demonstrated sustainable improvement in the area of Human Performance and the NRC will consider the number of findings in each theme.

# Licensee Response



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## **Prairie Island Public Meeting**

Northern States Power Company, Minnesota  
Representatives



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# Prairie Island Public Meeting

## Closing Comments



# **Prairie Island Public Meeting**

**Questions and Comments from  
members of the public**



# Contacting the NRC



- For general information or questions:
  - [www.nrc.gov](http://www.nrc.gov)
  - Select “About NRC” then “Locations” to contact Region III
- To report a safety concern:
  - (800) 695-7403
  - [Allegation@nrc.gov](mailto:Allegation@nrc.gov)
- To report an emergency:
  - (301) 816-5100 (collect calls accepted)

# Reference Sources

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- Reactor Oversight Process
  - Select “Nuclear Reactors” then “Operating Reactors” from NRC website menu
- Public Electronic Reading Room
  - Link on the left menu of NRC homepage
- Public Document Room
  - 1-800-397-4209 (Toll Free)
- Region III Public Affairs
  - Viktoria Mitlyng (630) 829-9662
  - Prema Chandrathil (630) 829-9663