U.S.NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

Prairie Island Nuclear Generating Plant (PINGP) Annual Assessment Meeting

Reactor Oversight Program - CY 2007

Nuclear Regulatory Commission - Region III

Welch, MN

April 7, 2008

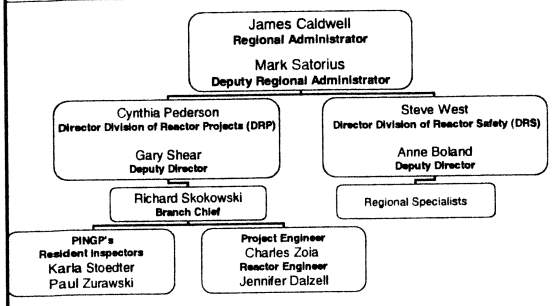
Purpose of Today's Meeting

- To provide a public forum for the discussion of Prairie Island's performance
  - The NRC will address licensee performance issues identified in the annual assessment letter
  - The Licensee will be provided an opportunity to respond to any information in the letter and discuss new or existing programs to maintain or improve performance

Agenda

- Introduction
- Review of the Reactor Oversight Process (ROP)
- National Summary of Plant Performance
- Discussion of Plant Performance Results
- Licensee Response and Remarks
- NRC Closing Remarks
- Break
  - The NRC will be available after the meeting to address any public questions

Region III Organization



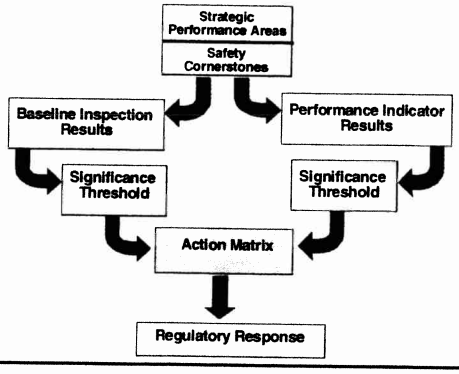
NRC Representatives

- Karla Stoedter, Senior Resident Inspector
  - (651) 388-8209
- Paul Zurawski, Resident Inspector
  - (651) 388-8209
- Richard Skokowski, Branch Chief, DRP
  - (630) 829-9620

NRC Performance 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.

Reactor Oversight Process (ROP)



Significance Threshold

Performance Indicators

Green: Baseline Inspection only
White: May increase NRC oversight
Yellow: Requires more NRC oversight
Red: Requires more NRC oversight

Inspection Findings

Green: Very low safety significance
White: Low to moderate safety significance
Yellow: Substantial safety significance
Red: High safety significance

Action Matrix Concept

Licensee Response	Regulatory Response	Degraded Cornerstone	Multiple/Rep. Degraded Cornerstone	Unacceptable Performance

Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions

National Summary of Plant Performance

Status at End of CY 2007

Licensee Response	87
Regulatory Response	8
Degraded Cornerstone	8
Multiple/Repetitive Degraded Cornerstone	1
Unacceptable	0
Total	104

National Summary

- Performance Indicator Results (End of CY 2007)
  - Green 1942
  - White 8
  - Yellow 1
  - Red 0
- Total Inspection Findings (CY 2007)
  - Green 759
  - White 9
  - Yellow 2
  - Red 0

Examples of Baseline Inspections

- Equipment Alignment ~80 hrs/yr
- Triennial Fire Protection ~250 hrs/3 yrs
- Operator Response ~125 hrs/yr
- Emergency Preparedness ~80 hrs/yr
- Radiological Release Controls ~110 hrs/2 yrs
- Worker Radiation Protection ~95 hrs/yr
- Corrective Action Program ~250 hrs/2 yrs
- Corrective Action Reviews ~60 hrs/yr

PINGP Assessment Results

(Jan 1 - Dec 31, 2007)

- Safety performance for the 4th quarter:
  - PINGP Unit 1 was within the Licensee Response column of the NRC Action Matrix.
  - PINGP Unit 2 was within the Licensee Response column of the NRC Action Matrix.

PINGP Inspection Activities

(Jan 1 - Dec 31, 2007)

- 10 findings were documented during this assessment period
  - 4 in mitigating systems
  - 1 in initiating events
  - 5 in occupational radiation safety

PINGP Inspection Activities

(Jan 1 - Dec 31, 2007)

- Unit 1 operated at or near full power throughout this inspection period with minor exceptions.
  - Unit 1 had a short outage from May 11 – May 19 , 2007 in order to repair a feedwater pump.
  - Unit 1 then had a forced outage from December 21 – December 24 , 2007 when both Unit 1 diesel generators were determined to be inoperable.
- Unit 2 operated at or near full power throughout this inspection period with minor exceptions.
  - Unit 2 had a forced outage from February 28 – March 8 , 2007 to repair a main steam isolation valve.
  - Unit 2 then had another forced outage from April 6 – April 10, 2007 after an automatic reactor shutdown occurred during a surveillance test.

PINGP Annual Assessment Summary

(Jan 1 - Dec 31, 2007)

- Nuclear Management Company (NMC) operated Prairie Island Units 1 & 2 in a manner that preserved public health and safety
- All cornerstone objectives were met at Prairie Island during the assessment period
- NRC plans baseline inspections at Prairie Island for the remainder of the assessment period.

Licensee Response and Remarks

Mike Wadley
Site Vice President
Prairie Island Nuclear Station

Contacting the NRC

- To Report an emergency
  - ►(301) 816-5100 (call collect)
- To Report a safety concern:
  - ►(800) 695-7403
  - ►Allegation@nrc.gov
- For general information or questions
  - ►www.nrc.gov
  - ►Select "**What We Do**" for Public Affairs

Reference Sources

- Reactor Oversight Process
  - **http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html**
- Public Electronic Reading Room
  - **http://www.nrc.gov/reading-rm.html**
- Public Document Room
  - 1-800-397-4209 (Toll Free)