



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
612 EAST LAMAR BLVD, SUITE 400
ARLINGTON, TEXAS 76011-4125

May 16, 2011

Brian O'Grady, Vice President -
Nuclear and CNO
Nebraska Public Power District
72676 648A Avenue
Brownville, NE 68321

SUBJECT: SUMMARY OF ANNUAL PERFORMANCE ASSESSMENT MEETING FOR
COOPER NUCLEAR STATION

Dear Mr. O' Grady:

This refers to the meeting conducted in Brownville, Nebraska, on May 5, 2011, to discuss the safety performance at the Cooper Nuclear Station between January 1 and December 31, 2010.

Topics discussed during the meeting included the Reactor Oversight Process and the annual safety performance of Cooper Nuclear Station for 2010. Members of the public present at the meeting were allowed to ask questions and comment on the proceedings. A copy of the meeting attendance and NRC slides are enclosed.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Should you have any questions concerning this matter, we will be pleased to discuss them with you.

Sincerely,

/RA/

Vincent Gaddy, Chief
Project Branch C
Division of Reactor Projects

Docket: 50-298
License: DPR-46

Enclosure:

1. Attendance List
2. NRC/Licensee Presentation Slides

cc: Distribution via ListServ

Electronic Distribution:

- NRC Attendees
- Elmo Collins, RA
- Art Howell, DRA
- Kriss Kennedy, D:DRP
- Troy Pruett, DD:DRP
- Anton Vegel, D:DRS
- Sue Bogle (OEWEB Resource)
- Stephanie Bush-Goddard, RIV OEDO
- OEMAIL, D/OE
- Amy Powell, OCA
- Jenny Weil, Congressional Affairs Officer
- Alan Wang, Project Manager, NRR
- Vince Gaddy, Branch Chief, PB/C
- Bob Hagar, Senior Project Engineer, PB/C
- Jeff Josey, Senior Resident Inspector
- Mike Chambers, Resident Inspector
- Victor Dricks, Region IV PAO
- Lara Uselding, Region IV PAO
- Bill Maier, Region IV RSLO
- Amy Elam, Site Administrative Assistant

R:_REACTORS\EOC 2010\CNS EOC MS 050522011.docx

SUNSI Rev Compl.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ADAMS	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Reviewer Initials	VG
Publicly Avail	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sensitive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Sens. Type Initials	VG
RIV/SPE:DRP	C:DRP/C				
BHagar	VGaddy				
/RA/	/RA/				
5/16/2011	5/16/2011				

OFFICIAL RECORD COPY

T=Telephone

E=E-mail


F=Fax

END-OF-CYCLE MEETING ATTENDANCE

LICENSEE/FACILITY	Nebraska Public Power District Cooper Nuclear Station		
DATE/TIME	May 5, 2011 4:00 pm		
LOCATION	Brownville Concert Hall Brownville, NE		
NAME (PLEASE PRINT)	Organization	Phone	E-mail
ROMAN ESTRADA	NPPD	402 825 5886	
RICHARD VLACH	NEMAHIA CO EMA	402 274 3623	
Doree Critser	Nemaha Co EMA	402-274-2552	nemahaema@ windstream.net
GENE MACE	NPPD	402-825-5236	
DAVID MONTGOMERY	NPPD	402 825 2934	
George Levy	NPPD	402 825 5047	
Alan L. Ostel	NPPD	402 563-5676	
PAT POPE	NPPD	402 563 5209	
Melanie Leaf	KTNC/KLZA	402-245-2453	
John C. McClure	NPPD	402 438 5917	
John C. McClure	NPPD	402 563-5713	
David Van Der Kamp	NPPD	402 274 3266	
Daniel R. Sedock	Energy	402-825-5082	


END-OF-CYCLE MEETING ATTENDANCE

LICENSEE/FACILITY	Nebraska Public Power District Cooper Nuclear Station		
DATE/TIME	May 5, 2011 4:00 pm		
LOCATION	Brownville Concert Hall Brownville, NE		
NAME (PLEASE PRINT)	Organization	Phone	E-mail
Troy Barker	NPPD	402-825-5027	
DREW NIEHAUS	NPPD	402-825-5768	
Chuck Comstock	NPPD	402-825-3396	
J. G. Sharp	UNMNL	402 559 4390	jsharp@unmnl.edu
JOHN ANDERSON	NPPD	402-825-5031	
Dennis Burke	1011 NEWS (Lincoln, NE)	402-467-9270	
Julia Schmitt	DHHS	402/471-2168	
Darrell Podany	S. St. Johanns	402/474/4600	Darrell Podany @John war. senate.gov


United States Nuclear Regulatory Commission
Protecting People and the Environment


**Cooper Nuclear Station
Annual Assessment
Meeting**

Reactor Oversight Program - 2010
Nuclear Regulatory Commission - Region IV
Brownville, Nebraska
May 5, 2011

 **Purpose of Today's Meeting**

- A public forum for discussion of the licensee's performance in CY 2010
- NRC will address the performance issues identified in the annual assessment letter dated March 4, 2011
- The licensee will be given the opportunity to respond and inform the NRC of new or existing programs to maintain or improve performance

2 *Protecting People and the Environment*

 **Agenda**

- Introduction
- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Plant Performance Results
- Licensee Response and Remarks
- NRC Closing Remarks
- Questions and Answer Session

3 *Protecting People and the Environment*

NRC Representatives

- Tony Vogel, Director, Division of Reactor Safety
(817) 860-8291
- Vince Gaddy, Branch Chief
(817) 860-8144
- Jeffrey Josey, Senior Resident Inspector
(402) 825-3371
- Mike Chambers, Resident Inspector
(402) 825-3371

4 *Protecting People and the Environment*

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.


5 *Protecting People and the Environment*

Reactor Oversight Process

```

    graph TD
      ROP[ROP] --> IR[Inspection Results]
      ROP --> PI[Performance Indicators]
      IR --> PA[Plant Assessment]
      PI --> PA
      PA --> ROP
  
```

6 *Protecting People and the Environment*




Significance Threshold

Performance Indicators
Green: Only Baseline Inspection
White: Increases NRC oversight
Yellow: Increases NRC oversight
Red: Increases NRC oversight


Inspection Findings
Green: Very low safety issue
White: Low to moderate safety issue
Yellow: Substantial safety issue
Red: High safety issue

Protecting People and the Environment




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

Protecting People and the Environment




National Summary of Plant Performance

Status as of 12-31-2010

Licensee Response	92
Regulatory Response	9
Degraded Cornerstone	3
Multiple/Repetitive Deg. Cornerstone	0
Unacceptable	0
Total	104


Protecting People and the Environment

 **CNS Inspection Activities**

January 1 - December 31, 2010

- Baseline Inspection Program
- Component Design Bases Inspection
- Fire Protection Inspection
- License Renewal Approved


10 *Protecting People and the Environment*

 **CNS Assessment Results**

January 1 - December 31, 2010

- Nebraska Public Power District operated CNS in a manner that preserved public health and safety and protected the environment.
- CNS met the very high standards the NRC sets for safety and security.

11 *Protecting People and the Environment*

 **Substantive Cross-Cutting Issue**

January 1 - December 31, 2010

- Substantive cross-cutting issue
 - Closed Human Performance, related to human error prevention techniques
 - Opened Human Performance, related to decision making
- CNS has communicated course of action
- NRC will verify corrective actions

12 *Protecting People and the Environment*



NRC Plans for 2011

- Conduct the same level of thorough inspections at CNS.
- Perform intensive reviews of CNS's Problem Identification and Resolution program.
- Assess actions taken by CNS in response to the Fukushima nuclear station fuel damage event.

13

Protecting People and the Environment



Yesterday, Today, and Tomorrow

- CNS was operated safely last year.
- We will be watching closely, giving the plant the same detailed attention as last year.
- Should we see something we consider significant, you can be assured that we will devote considerable attention and resources to ensuring your safety.

14

Protecting People and the Environment



Licensee Response and Remarks


Comments from Nebraska Public Power District

15

Protecting People and the Environment

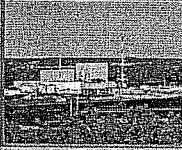
Annual Assessment Meeting

Cooper Nuclear Station
May 5, 2011



Brian O'Grady

Vice President – Chief Nuclear Officer

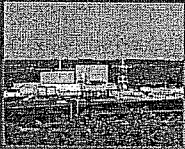


Agenda

• Introduction	Brian O'Grady, VP/CNO
• Human Performance	Deet Willis, GMPO
• Maintenance Rule	Dan Buman, DOE
• Cross-Cutting Issue	Art Zaremba, DNSA
• Closing Remarks	Brian O'Grady, VP/CNO

18

Deef Willis
General Manager
of Plant Operations

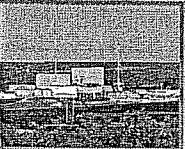


Human Performance

- Standards and Expectations
- Procedure Use and Adherence
- Leadership Effectiveness
- Culture Change
- Accountability

20

Dan Buman
Director of Engineering




Maintenance Rule

- Process Improvements
- Self Assessments
- Expert Panel

22

Art Zaremba

Director of Nuclear
Safety Assurance



23

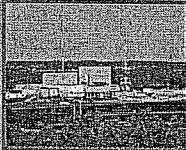
Cross Cutting Issue

- Clear Expectations
- Management Reinforcement
- Deliberate Feedback
- Accountability
- Assessments

24


Closing Remarks

Brian O'Grady



20

Protecting People and the Environment




NRC Remarks

Tony Vogel
Director
Division of Reactor Safety

20

Protecting People and the Environment



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

27

Protecting People and the Environment
