



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

May 14, 2010

Mr. Matthew W. Sunseri, President and
Chief Executive Officer
Wolf Creek Nuclear Operating Corporation
P.O. Box 411
Burlington, KS 66839

SUBJECT: SUMMARY OF ANNUAL PERFORMANCE ASSESSMENT MEETING WITH
WOLF CREEK NUCLEAR OPERATING CORPORATION

Dear Mr. Sunseri:

On May 11, 2010, representatives of Wolf Creek Nuclear Operating Corporation met with NRC personnel at the New Strawn Community Center to discuss the Wolf Creek Generating Station performance for the NRC inspection period from January 1 through December 31, 2009. The list of attendees, a copy of the licensee's presentation, and a copy of the NRC's presentation are included as Enclosures 1, 2 and 3.

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

Sincerely,

/RA/

Geoffrey Miller
Chief, Project Branch B
Division of Reactor Projects

Docket: 50-482
License: NPF-42

Enclosures:

1. Attendance List
2. Wolf Creek Nuclear Operating Corporation Presentation Slides
3. NRC Presentation Slides

Wolf Creek Nuclear Operating Corporation

- 2 -

Vice President Operations / Plant Manager
Wolf Creek Nuclear Operating Corporation
P.O. Box 411
Burlington, KS 66839

Jay Silberg, Esquire
Pillsbury Winthrop Shaw Pittman LLP
2300 N Street, NW
Washington, DC 20037

Supervisor Licensing
Wolf Creek Nuclear Operating Corporation
P.O. Box 411
Burlington, KS 66839

Chief Engineer
Utilities Division
Kansas Corporation Commission
1500 SW Arrowhead Road
Topeka, KS 66604-4027

Office of the Governor
State of Kansas
Topeka, KS 66612-1590

Attorney General
120 S.W. 10th Avenue, 2nd Floor
Topeka, KS 66612-1597

Chairman
Coffey County Courthouse
110 South 6th Street
Burlington, KS 66839

Chief, Radiation and Asbestos Control Section
Bureau of Air and Radiation
Kansas Department of Health and
Environment
1000 SW Jackson, Suite 310
Topeka, KS 66612-1366

Chief, Technological Hazards Branch
FEMA, Region VII
9221 Ward Parkway, Suite 300
Kansas City, MO 64114-3372

Electronic distribution by RIV:
 Regional Administrator (Elmo.Collins@nrc.gov)
 Acting Deputy Regional Administrator (Art.Howell@nrc.gov)
 DRP Director (Dwight.Chamberlain@nrc.gov)
 DRP Deputy Director (Anton.Vegel@nrc.gov)
 DRS Director (Roy.Caniano@nrc.gov)
 DRS Deputy Director (Troy.Pruett@nrc.gov)
 Senior Resident Inspector (Chris.Long@nrc.gov)
 Resident Inspector (Charles.Peabody@nrc.gov)
 WC Administrative Assistant (Shirley.Allen@nrc.gov)
 Branch Chief, DRP/B (Geoffrey.Miller@nrc.gov)
 Senior Project Engineer, DRP/B (Rick.Deese@nrc.gov)
 Team Leader, DRP/TSS (Chuck.Paulk@nrc.gov)
 Public Affairs Officer (Victor.Dricks@nrc.gov)
 Public Affairs Officer (Lara.Uselding@nrc.gov)
 RITS Coordinator (Marisa.Herrera@nrc.gov)
 Regional Counsel (Karla.Fuller@nrc.gov)
 Congressional Affairs Officer (Jenny.Weil@nrc.gov)
 OEmail Resource
 ROPreports

R:_REACTORS\EOC 2009-2010\WC EOC MS.doc

ADAMS: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/> SUNSI Review Complete	Reviewer Initials:
		<input checked="" type="checkbox"/> Publicly Available	<input checked="" type="checkbox"/> Non-Sensitive
		<input type="checkbox"/> Non-publicly Available	<input type="checkbox"/> Sensitive
C:DRP/PBB	C:DRP/PBB		
GTutak	GBMiller		
/RA/	/RA/		
5/13/10	5/14/10		

OFFICIAL RECORD COPY

T=Telephone

E=E-mail

F=Fax

PUBLIC MEETING ATTENDANCE

LICENSEE / FACILITY	Wolf Creek Nuclear Operating Corp. / Wolf Creek
DATE / TIME	May 11, 2010 / 6:00 p.m.
LOCATION	New Strawn Community Center, New Strawn, KS

NAME (PLEASE PRINT)	Organization	Phone	E-mail
Mark Petterson	The Coffey County Republican	(620) 364-5325 x105	cc.republ@jmail.com
Daniel Miller	WCNOC	785-448-6444	
Raymond Rogers	IBEW LOCAL 225 WCNOC	620-366-2306	
Joline M. Shaner	WCNOC, IBEW 225	620-366-1972	
Larry Haeuth	WCNOC	620 364 3848	
Ivey Sutton	WCNOC	316 364 5638	
Brian Trautman	WCNOC	620 364-8007	
Dennis Mosebey	WCNOC	620-364-8831 Ext 0260	dcmoseb@wcnoc.com
Calvin Rutledge	WCNOC	620 364 8831 EXT 4753	Carutl@wcnoc.com
KAMRAN DERAKHSHAN	WCNOC	EXT. 8479	
Geoff Miller	NRC		
CHRIS LONG	NRC		

PUBLIC MEETING ATTENDANCE

LICENSEE / FACILITY	Wolf Creek Nuclear Operating Corp. / Wolf Creek
DATE / TIME	May 11, 2010 / 6:00 p.m.
LOCATION	New Strawn Community Center, New Strawn, KS

NAME (PLEASE PRINT)	Organization	Phone	E-mail
Renee Burger	WCNOC	489-2248	Renee29@aol.com
Tim Burger	WCNOC	489-2298	T.Burger@comcast.net
Gregory S. Kinn	WCNOC	785-229-9165	grkinn@wcnoc.com
Shirley Allen	NRC	620-364-6918	shirley.allen@nrc.gov
Robert M. Smith	WCNOC	620-364-2218	rosmith2@wcnoc.com
Kimberly Pokriak	COMMISSIONER Coffey Co.	620-364-9593	Kasr@terrawald.net
Carol Sunseri	public	785-733-2258	carol.sunseri@gmail.com

PUBLIC MEETING ATTENDANCE

LICENSEE / FACILITY	Wolf Creek Nuclear Operating Corp. / Wolf Creek
DATE / TIME	May 11, 2010 / 6:00 p.m.
LOCATION	New Strawn Community Center, New Strawn, KS

NAME (PLEASE PRINT)	Organization	Phone	E-mail
Terry Garrett	WCNOC	620-364-4089	tegarr@wcnoc.com
Chip Pala	WCNOC	620-203-0874	vacatia@wcnoc.com
Tony Vogel	NRC	817-860-8291	
Michael Markley	NRC	301-415-5723	michael.markley@nrc.gov
Ricky Yeager	WCNOC	620-964-2415	ryeager@amburymail.com
LARRY AIKEN	WCNOC	785-242-1764	l2aiken@HOTMAIL.COM
Mike Clemens	WCNOC	620-364-8891	m-clemens@wcnoc.com
Annette Stull	WCNOC	620-364-4004	anstull@wcnoc.com
Bill Adams	WCNOC	620-364-5653	adamzbill@yahoo.com
Robert Velez	wcnoc	620-762-0600	rvelez@inbox.com
William L. Ralph ^{SE}	Retired	785-333-2789	N/A
Russel Staley	Coffey County Emergency Management	620-364-2721	rstaley@coffeycountys.org
Jennifer Yuen	WCNOC	304-4264	jeayue@wcnoc.com

PUBLIC MEETING ATTENDANCE

LICENSEE / FACILITY	Wolf Creek Nuclear Operating Corp. / Wolf Creek		
DATE / TIME	May 11, 2010 / 6:00 p.m.		
LOCATION	New Strawn Community Center, New Strawn, KS		
NAME (PLEASE PRINT)	Organization	Phone	E-mail
Charles Peabody	NRC		
DAVE DEES	WCNOC	620-364-8849	dees ddees@wcnoc.com
Robbin Thomas	WCNOC	620-364-8831	
Jennifer Birk	WCNOC	620-364-8831	
Cassie Burgio	WCNOC	620-364-4071	cahaas@wcnoc.com
KEVIN HERMICK	WCNOC	785-448-2343	
Justin Lowrey	WCNOC	620-203-5673	
Dwight Decker	WCNOC	785-733-2302	
ROBERT W. LOGAN	WCNOC	620-364-2033	
BRIAN GOODARD	WCNOC	620-964-2383	
LANNY D. RATZLAFF	WCNOC	620-364-2724	
Steve Trendel	WCNOC	620-364-8704	
Brook Christians	WCNOC	620-256-6075	

PUBLIC MEETING ATTENDANCE

LICENSEE / FACILITY	Wolf Creek Nuclear Operating Corp. / Wolf Creek		
DATE / TIME	May 11, 2010 / 6:00 p.m.		
LOCATION	New Strawn Community Center, New Strawn, KS		
NAME (PLEASE PRINT)	Organization	Phone	E-mail
Rich Gerdes	WCNOC/IBEW 225		
Alan Freden	WCNOC/IBEW 225		
Mike Birk	WCNOC/IBEW		
Pat Hawkins	WCNOC/IBEW		
Doug Morris	WCNOC/IBEW		
TERRY JAMISON	WCNOC/IBEW		
Sam Hiner	WCNOC		
John Cutfe	WCNOC		
Martin Grollhaus	WCNOC/IBEW		
STEVEN WILSON	WCNOC/IBEW		
Roger Turner	WCNOC/IBEW		
Steve Henry	WCNOC		
Donna Esbe	WCNOC		

PUBLIC MEETING ATTENDANCE

LICENSEE / FACILITY	Wolf Creek Nuclear Operating Corp. / Wolf Creek		
DATE / TIME	May 11, 2010 / 6:00 p.m.		
LOCATION	New Strawn Community Center, New Strawn, KS		
NAME (PLEASE PRINT)	Organization	Phone	E-mail
Ed Peterson	WCNOC	620-364-4012	edpeter@wcnoc.com
MATT Sunseri	WCNOC	620-344-4008	MA Sunseri@wcnoc.com
Richard Flannigan	WCNOC	620-364-2845	Rflann@wcnoc.com
BRAD SMITH	WCNOC	620-364-8799	BRADSMITH@wcnoc.com
Pamela Bedgood	WCNOC	620-364-5616	Pjbedgood@mehsi.com
Tom Dougan	WCNOC	785-272-0907	tdougan@global.net
Jenny Hageman	WCNOC	620-364-8420	jehageman@wcnoc.com
TAMMY JENSEN	WCNOC	785-828-4454	Tajensen@wcnoc.com
BRAD NORTON	WCNOC	620-364-4153	VINORTON@wcnoc.com
Vic Canales	WCNOC	620-364-4214	VICANAL@wcnoc.com
Brad Vicheny	WCNOC	620-343-7255	
Brent Dale	WCNOC	620-364-2168	
SE HENKES	WCNOC		

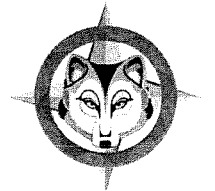
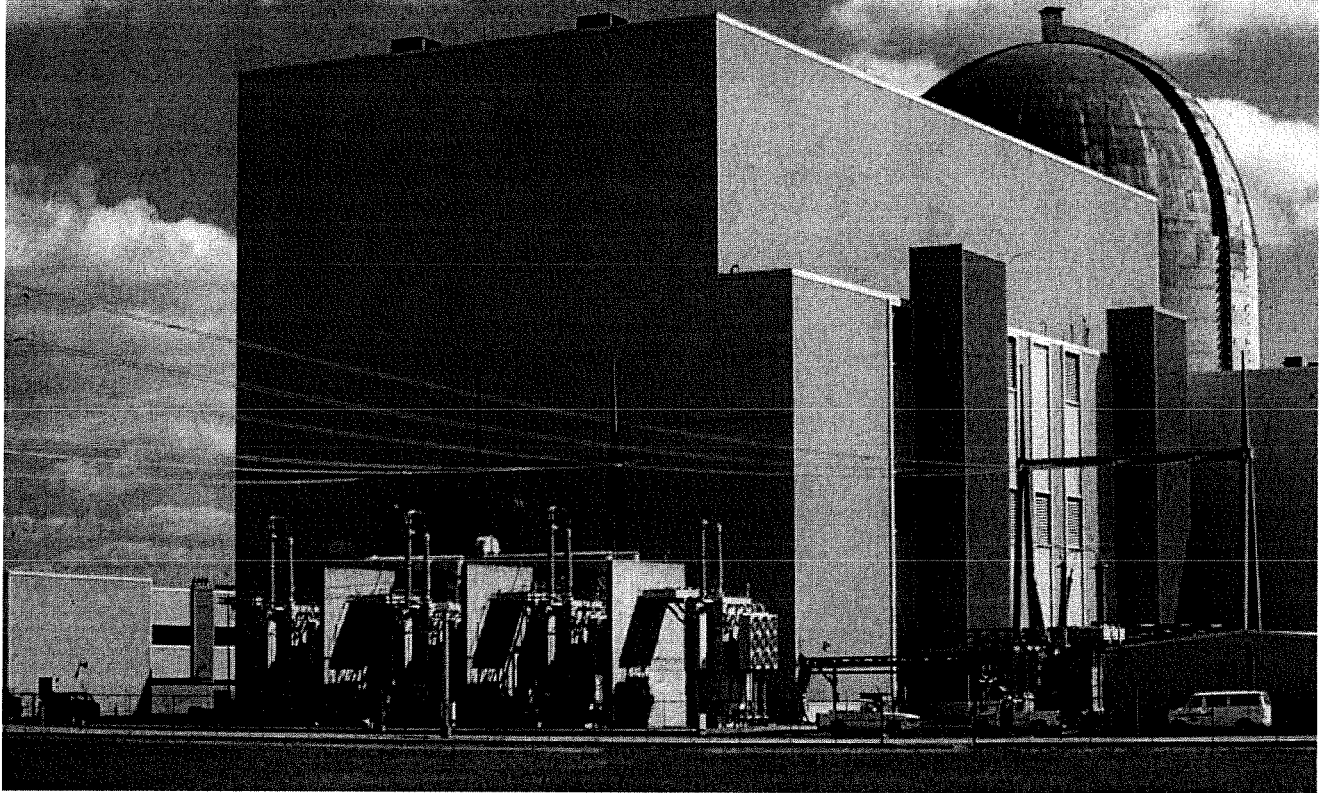
PUBLIC MEETING ATTENDANCE

LICENSEE / FACILITY	Wolf Creek Nuclear Operating Corp. / Wolf Creek		
DATE / TIME	May 11, 2010 / 6:00 p.m.		
LOCATION	New Strawn Community Center, New Strawn, KS		
NAME (PLEASE PRINT)	Organization	Phone	E-mail
Rick Gardner	WCGS		rigardn@wcnoc.com
Barbara Gardner	public		
Debbie Birk	wcnoc		
Randy Birk	WCGS		
Terry Romig	wcnoc		terromig@wcnoc.com
Eddie Ray	wcnoc		
Lucille Beckers	wcnoc		
WILLIAM Moikenburg	wcnoc		wimwilsc@wcnoc.com
Richard Newkirk	wcnoc		
David Phelps	wcnoc		daphelp@wcnoc.com
Eric Benjamin	wcnoc		
Deena Huls	Public		
DANA CRAWFORD	KEPL		

PUBLIC MEETING ATTENDANCE

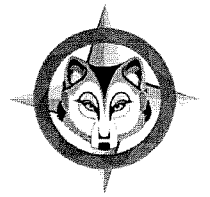
LICENSEE / FACILITY	Wolf Creek Nuclear Operating Corp. / Wolf Creek		
DATE / TIME	May 11, 2010 / 6:00 p.m.		
LOCATION	New Strawn Community Center, New Strawn, KS		
NAME (PLEASE PRINT)	Organization	Phone	E-mail
Joan Steiner	WCNOC IBEW 225	620-203 0068	joan@ WCNOC
Steve Koenig	WCNOC	620-364- 5589	sckoenig@ yahoo.com
WARREN BEFORT	WCNOC	620-364-4089	wabefer @WCNOC.com
JAMES BLACK	WCNOC	620 364 6487	JBLACK1 @WCNOC.COM
Don Enley	WCNOC	620-256-5907	
Bill RAIPHA JR.	WCNOC	785-733-2410	
Rhonda Neilson	WCNOC	785-733-2878	
Bob Saueressig	Commissioner Coffey County		
JEFF ISCH	WCNOC	620-427-4023	jeffisch@WCNOC.com
Daniel Womelsdorf	WCNOC	620-363- 1145	dawomel@ WCNOC.com
Mike Lowe	WCNOC	620-343 3283	
Dwaine & Marilyn Brooks	WCNOC	785-489- 2324	
Doug Feldhausen	WCNOC	620 364 5393	

Wolf Creek Nuclear Operating Corporation Annual NRC Public Meeting (5-11-2010)



Introduction

Matt Sunseri



Wolf Creek Team

- Matt Sunseri, President & CEO
- Steve Hedges, Site Vice President
- Terry Garrett, Vice President Engineering
- Rick Gardner, Plant Manager

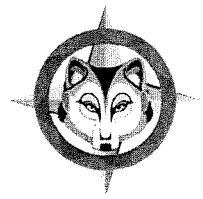
3



Station Performance

Steve Hedges

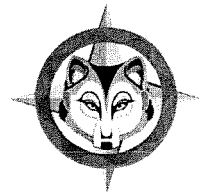
4



Current Station Performance

- Four cycles with substantive crosscutting issue in Problem Identification and Resolution, Evaluation (P.1.c)
- White performance indicators
 - Safety System Functional Failures
 - Unplanned Scrams
- Traditional enforcement

5



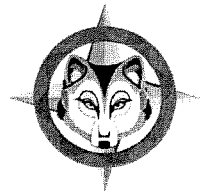
Nuclear Safety Culture Self Assessment

Conclusions—

- Wolf Creek's nuclear safety culture supports the Institute of Nuclear Power Operations' Principles for a Strong Nuclear Safety Culture
- Employees have a healthy respect for nuclear safety
- Employees will not compromise safety for production

6

Nuclear Safety Culture Self Assessment

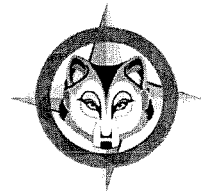


Themes—

- Oversight of personnel
- Coaching
- Equipment performance
- Employees are not satisfied with current performance

7

Nuclear Safety Culture Self Assessment

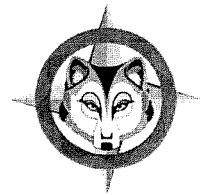


Identified Weakness—

- Wolf Creek performance indicators are not viewed as effective and are not used to improve performance
- Actions:
 - Benchmarked to identify excellence in indicators
 - More effectively communicate station performance

8

Nuclear Safety Culture Self Assessment

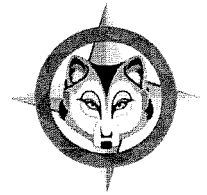


Identified Weakness—

- Personnel indicated that the organization's process for identifying and correcting latent organizational weaknesses are not effective
- Survey examples:
 - Lack of resolution of equipment problems
 - Technical Training probation
- Addressing symptoms, not the problems

9

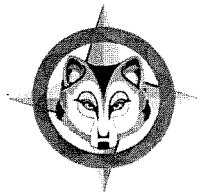
Recognition of Latent Organizational Weaknesses



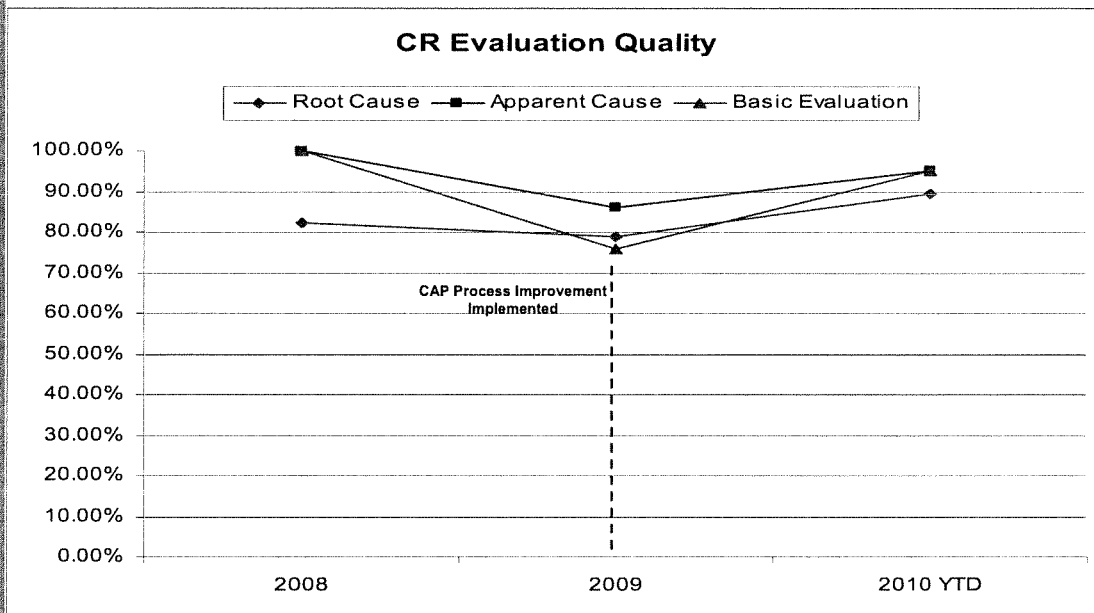
2009

- Implemented risk-based approach to corrective action
- Implemented state-of-the art analysis tools
- The result is improved ability to identify and correct management and organizational weaknesses

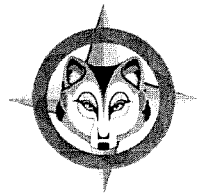
10



Corrective Action Program – Evaluation Quality



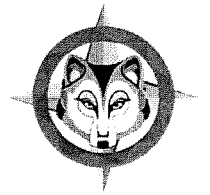
11



An Operations-Focused Organization

- Site Vice President
 - Strategic focus
- Plant Manager
 - Tactical, day-to-day focus
- Instituted a number of changes, all designed to ensure focus is on safe reliable operation of the plant

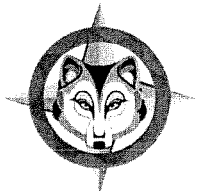
12



Key Actions to Improve Station Performance

- Develop, implement and communicate a zero tolerance policy for problems that adversely affect our mission yet were avoidable
- Develop a station improvement plan to align organization on most important plant issues/processes/equipment

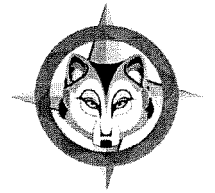
13



Key Actions to Improve Station Performance

- Identification and resolution of degraded conditions
 - Improving the process for screening operability/reportability to ensure consistency
 - Adding specific content requirements for operability determination evaluations to improve quality
 - Implementing a strategic planning process to fix degraded conditions, thereby eliminating long-standing issues

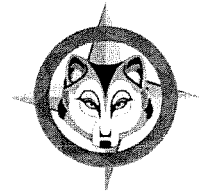
14



Key Actions to Improve Station Performance

- Present human factor training to planners and procedure writers
 - Provide them tools to identify critical steps and incorporate error-prevention tools into our written work instructions and procedures

15

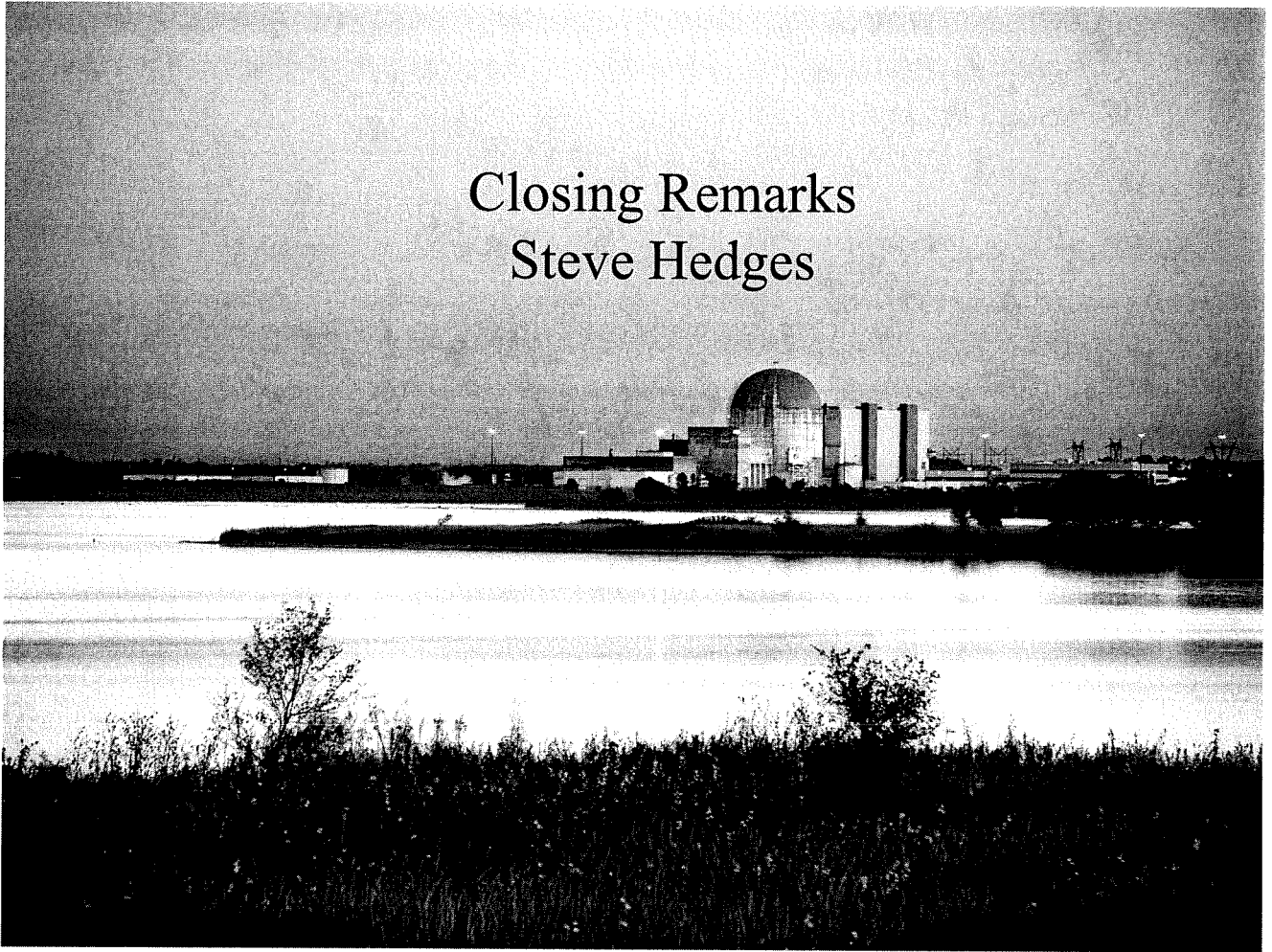


Measurements of Success

- Fewer operator challenges
- Increased reliability of safety systems
- Reduced transients
- Reduced human errors
- Healthy nuclear safety culture

16

Closing Remarks
Steve Hedges



Wolf Creek Generating Station Annual Assessment Meeting

Reactor Oversight Program - 2009

Nuclear Regulatory Commission - Region IV

New Strawn, KS

May 11, 2010

1



Purpose of Today's Meeting

- **A public forum for discussion of the licensee's performance**
- **NRC will address the performance issues identified in the annual assessment letter**
- **Licensee will be given the opportunity to respond and inform the NRC of performance improvement initiatives**

2

Protecting People and the Environment



Agenda

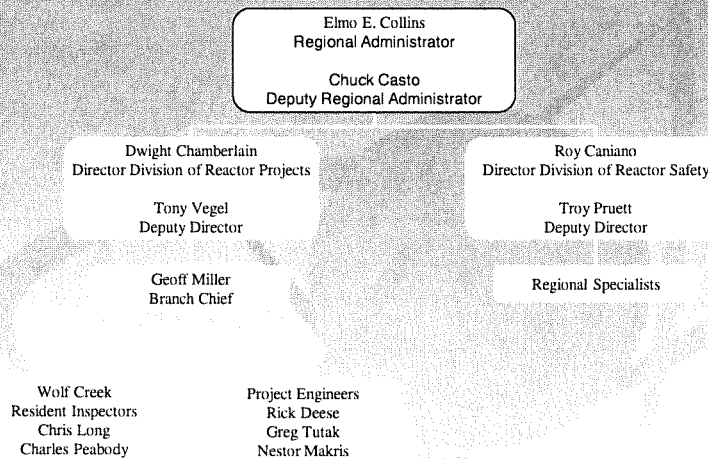
- Introduction
- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Plant Performance Results
- Licensee Response and Remarks
- NRC Closing Remarks
- Break
- NRC available to address public questions

3

Protecting People and the Environment



Region IV Organization



4

Protecting People and the Environment



NRC Performance Goals

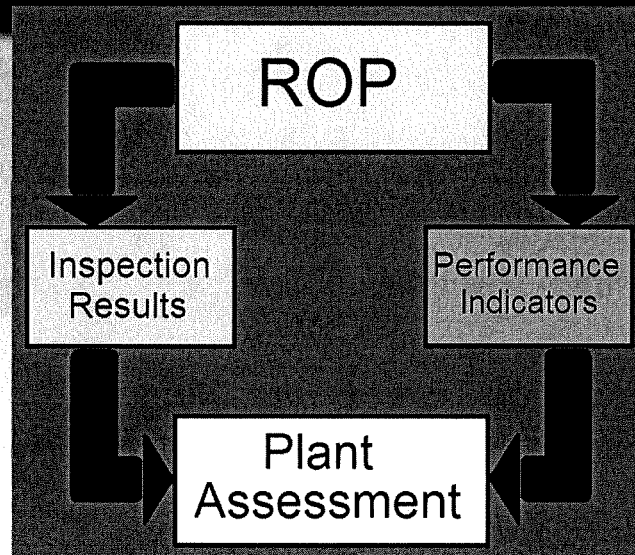
- **Safety:** Ensure adequate protection of public health and safety and the environment.
- **Security:** Ensure adequate protection in the secure use and management of radioactive materials.

5

Protecting People and the Environment



Reactor Oversight Process



6

Protecting People and the Environment



Examples of Baseline Inspections

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

7

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

8

Protecting People and the Environment



Action Matrix Concept

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



Increasing Safety Significance

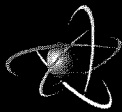
Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions

9

Protecting People and the Environment



National Summary of Plant Performance

Status as of 12/31/2009

Licensee Response	79
Regulatory Response	24
Degraded Cornerstone	1
Multiple/Repetitive Deg. Cornerstone	0
Unacceptable	0
Total	104

10

Protecting People and the Environment



National Summary

- **Performance Indicator Results (total for CY 2009)**
 - Green 7039
 - White 18
 - Yellow 0
 - Red 0
- **Total Inspection Findings (total for CY 2009)**
 - Green 879
 - White 7
 - Red 0

11

Protecting People and the Environment



NRC Inspection Results

January 1 - December 31, 2009

- **46 Green Inspection Findings**
- **Focused Baseline Inspection (Inspection Report 2009006)**
 - Conducted in response to potential voiding of the residual heat removal system (1 Green NCV and 1 SL-IV violation)
- **Special Inspection (Inspection Report 2009007)**
 - Conducted in response to loss of offsite power (7 Green NCVs)

12

Protecting People and the Environment



Special Inspection Results

- **Program Weaknesses**
 - ESW corrosion monitoring
 - Offsite Power reliability
 - Corrective Action Program
- **Associated with multiple departments**
 - Operations
 - Engineering
 - Maintenance

Protecting People and the Environment



Wolf Creek Assessment Results

1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
Licensee Response	Licensee Response	Licensee Response	Licensee Response

- Plant performance for the CY2009 assessment period was within the Licensee Response Column (Column 1) of the Action Matrix
- Assessment Followup Letter issued May 5, 2010, moved Wolf Creek to Regulatory Response Column (Column 2) based on White performance indicators for Unplanned Scrams and Safety System Functional Failures reported for first quarter 2010

14

Protecting People and the Environment



Substantive Cross-cutting Issue

- **Problem Identification and Resolution Substantive Cross-Cutting Issue:**
 - **Opened for fourth consecutive assessment period.**
 - **Originally opened in September 2008 due to failure to have low enough threshold for identifying problems, inadequate problem evaluations and appropriateness of corrective actions.**

15

Protecting People and the Environment



Wolf Creek Assessment Summary

- **Wolf Creek Generating Station operated in a manner that preserved public health and safety**
- **Continuing substantive cross-cutting issue in problem identification and resolution**
- **Current assessment is in the Regulatory Response Column due to two White performance indicators**
- **Supplemental inspection per IP 95001 to be performed in CY 2010**

16

Protecting People and the Environment



Current Assessment Information Available Online

**Current inspection and assessment
information on our web site:**

www.nrc.gov/reactors/operating/oversight/.html

PI Summary

Wolf Creek Current PIs

17

Protecting People and the Environment



Licensee Response and Remarks

Wolf Creek Representatives

18

Protecting People and the Environment



NRC Remarks

Tony Vogel
Deputy Director
Division of Reactor Projects

19

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

20

Protecting People and the Environment



NRC Representatives

- **Victor Dricks, Public Affairs Officer**
– (817) 860-8128
- **Lara Uselding, Public Affairs Officer**
– (817) 276-6519
- **NRC Region IV Office Switchboard**
– (817) 860-8100 (800) 952-9677

21

Protecting People and the Environment



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)

22

Protecting People and the Environment