



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-4005**

April 9, 2003

Rick A. Muench, President and
Chief Executive Officer
Wolf Creek Nuclear Operating Corporation
P.O. Box 411
Burlington, Kansas 66839

**SUBJECT: ANNUAL PERFORMANCE ASSESSMENT MEETING FOR WOLF CREEK
GENERATING STATION**

Dear Mr. Muench:

This refers to the meeting conducted in Burlington, Kansas, on April 3, 2003, to discuss the safety performance at Wolf Creek Generating Station between January 1 and December 31, 2002.

Topics discussed during the meeting included the Reactor Oversight Process, the safety performance at Wolf Creek Generating Station, nuclear industry issues, and other topics that may have been of interest to the local area residents. Members of the public present at the meeting were allowed to ask questions and comment on the proceedings.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter will be placed in the NRC's Public Document Room.

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

Sincerely,

/RA/

David N. Graves, Chief
Project Branch B
Division of Reactor Projects

Docket: 50-482
License: NPF-42

Enclosures:
1. Attendance List
2. Presentation

cc:

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Wolf Creek Nuclear Operating Corp.
P.O. Box 411
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Office of the Governor
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Topeka, Kansas 66612

Office of the Attorney General
120 SW 10th Avenue, Floor 2
Topeka, Kansas 66612-1597

County Clerk
Coffey County Courthouse
110 South 6th Street
Burlington, Kansas 66839-1798

Vick L. Cooper, Chief
Radiation Control Program, RCP
Kansas Department of Health
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Bureau of Air and Radiation
1000 SW Jackson, Suite 310
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Mr. Gene Merry, Chairman
Coffey County Commissioner
Coffey County Courthouse
110 South 6th Street
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Ms. Rebecca Jewett
Coffey County Emergency
Preparedness Coordinator
Coffey County Courthouse
110 South 6th Street
Burlington, Kansas 66839

The Honorable Ron Stump
Mayor, City of Burlington
City Hall
P.O. Box 207
Burlington, Kansas 66839

The Honorable Bill Freeman
Mayor, City of LeRoy
713 Main
LeRoy, Kansas 66857

The Honorable Robert Harkrader
Mayor, City of New Strawn
City Hall
215 N. Main
New Strawn, Kansas 66839

The Honorable Richard Marsh
Mayor, City of Waverly
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Mr. David Beck
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Mr. Gary Benjamin
Anderson County Emergency
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Cecil L. Wright, Executive Director
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Federal Emergency Management Agency
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Jefferson City, Missouri 65102

Jerry Uhlmann, Director
State Emergency Management
State Emergency Management Agency
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Jefferson City, Missouri 65109

Mr. Randy Rogers, Sheriff
Coffey County Sheriff's Dept.
110 South 6th Street
Burlington, Kansas 66839

The Honorable Larry Kelley
Mayor, City of Gridley

503 Main St.
Gridley, Kansas 66852

The Honorable Ed Fisher
Mayor, City of Lebo
5 E. Broadway
Lebo, Kansas 66856

Mr. Robby Atkins, Sheriff
Allen County Courthouse
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Mr. Vick Cooper, Section Chief
Kansas Department of Health
And Environment
Bureau of Air and Radiation
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Mr. Frank Moussa, Technological
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Electronic distribution by RIV:
 Regional Administrator (**EWM**)
 DRP Director (**ATH**)
 DRS Director (**DDC**)
 Senior Resident Inspector (**FLB2**)
 Resident Inspector (**JXC2**)
 SRI, Callaway (**MSP**)
 Branch Chief, DRP/B (**DNG**)
 Senior Project Engineer, DRP/B (**RAK1**)
 Staff Chief, DRP/TSS (**PHH**)
 RITS Coordinator (**NBH**)
RidsNrrDipmlipb

ADAMS: Yes No Initials: _____
 Publicly Available Non-Publicly Available Sensitive Non-Sensitive

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RIV:PE:DRP/B	C:DRP/B			
JLDixon;df	DNGraves			
/RA/	/RA/			
4/9/03	4/9/03			

OFFICIAL RECORD COPY

T=Telephone

E=E-mail

F=Fax

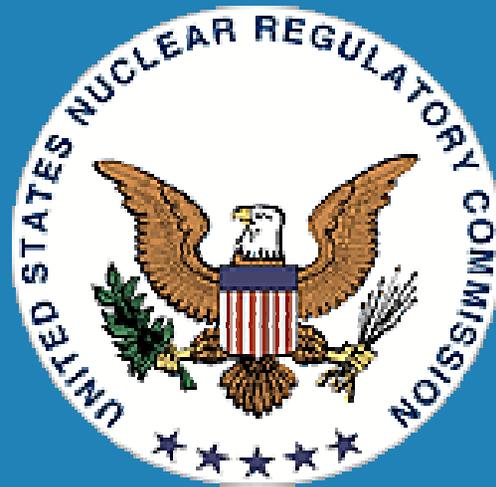
END-OF-CYCLE MEETING ATTENDANCE

LICENSEE/FACILITY	Wolf Creek Nuclear Operating Corporation/ Wolf Creek Nuclear Station
DATE/TIME	April 3, 2003 at 6:00 pm
LOCATION	Coffey County Courthouse 110 South 6 th Street, Burlington, KS 66839
NAME (PLEASE PRINT)	ORGANIZATION
BRITT MCKINNEY	WCNOC
Aeryl Muench	B+V
RICK Muench	WCNOC
DAVID GRAUER	NRC
Francis L. Baush	NRC
Tom Conley	KDHE
Shane Ferguson	
JEFFREY CAUZ	NRC
Chuck Sibley	WCNOC
Shirley Allen	NRC
REBECCA J. JEWETT	COFFEY COUNTY E.P.
Russell Moon	WCNOC
Cassie Burgio	WCNOC

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NAME (PLEASE PRINT)	ORGANIZATION
Jennifer Kunk	WCNOC
DONNA JACOBS	WCNOC
TONY HARRIS	WCNOC
Arnold Stump	City of Burlington
Jeanne Meyer	WCNOC
DAVE PAULER	PUBLIC
Leticia G. HAMMOND	
Kenneth Oliver	Public
Mark Ritten	Coffey County Republican
GENE L. MERRY	Coffey Co. COMMISSIONER

ANNUAL ASSESSMENT MEETING



Nuclear Regulatory Commission

Region IV

NRC Meeting Purpose

- **Meeting with Licensee and Public**
- **Inform Public of Plant Performance**



NRC Meeting Guidelines

- **Registration Table**
- **Handouts**
- **Feedback Forms**
- **Questions and Answers**



NRC PERFORMANCE GOALS

- **Maintain public safety and protect the environment**
- **Enhance public confidence**
- **Improve:**
 - **Effectiveness**
 - **Efficiency**
 - **Realism of processes and decision making**
- **Reduce unnecessary regulatory burden**



NRC Personnel

David Graves	Chief, Project Branch B Division of Reactor Projects
Frank Brush	Senior Resident Inspector Wolf Creek
Jeffrey Cruz	Resident Inspector Wolf Creek



Meeting Agenda

- **Regulatory Oversight**
- **Findings and Assessments**
- **Additional Focus Areas**
- **Questions and Answers**



NRC Oversight Activities

- **Provide assurance plants are:**
 - **Operating safely**
 - **Complying with regulations**
- **Based on a logical and sound framework**
- **Inspections focused on key safety areas**
- **Objective indicators of performance**
- **Assessment program triggers regulatory actions**



Comprehensive Oversight Program

**NRC'S
Overall
Safety
Mission**

**PUBLIC HEALTH AND SAFETY
AS A RESULT OF CIVILIAN
NUCLEAR REACTOR
OPERATION**

**Strategic Performance
Areas**

**REACTOR
SAFETY**

**RADIATION
SAFETY**

**PLANT
SECURITY**

Cornerstones

**Initiating
Events**

**Mitigation
Systems**

**Barrier
Integrity**

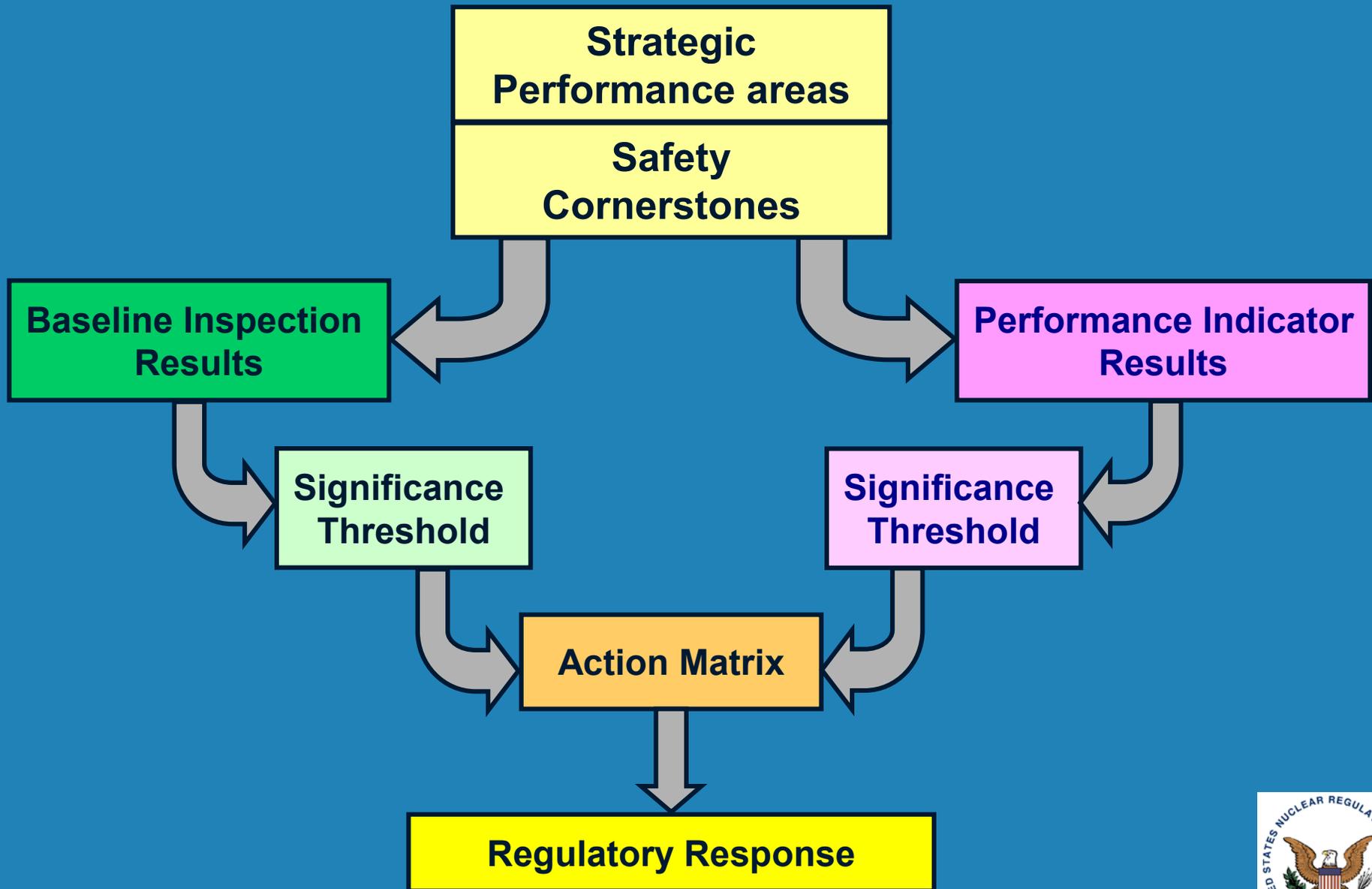
**Emergency
Preparedness**

Public

Occupational

**Physical
Protection**

Reactor Oversight Process



Reactor Oversight Process

SAFETY SIGNIFICANCE

GREEN

- Very low

WHITE

- Low to moderate

YELLOW

- Substantial

RED

- High



Performance Indicator Program

- **Licensee monitors key safety parameters**
- **Data supplied to NRC quarterly**
- **Reviewed by Inspectors**



Performance Indicators

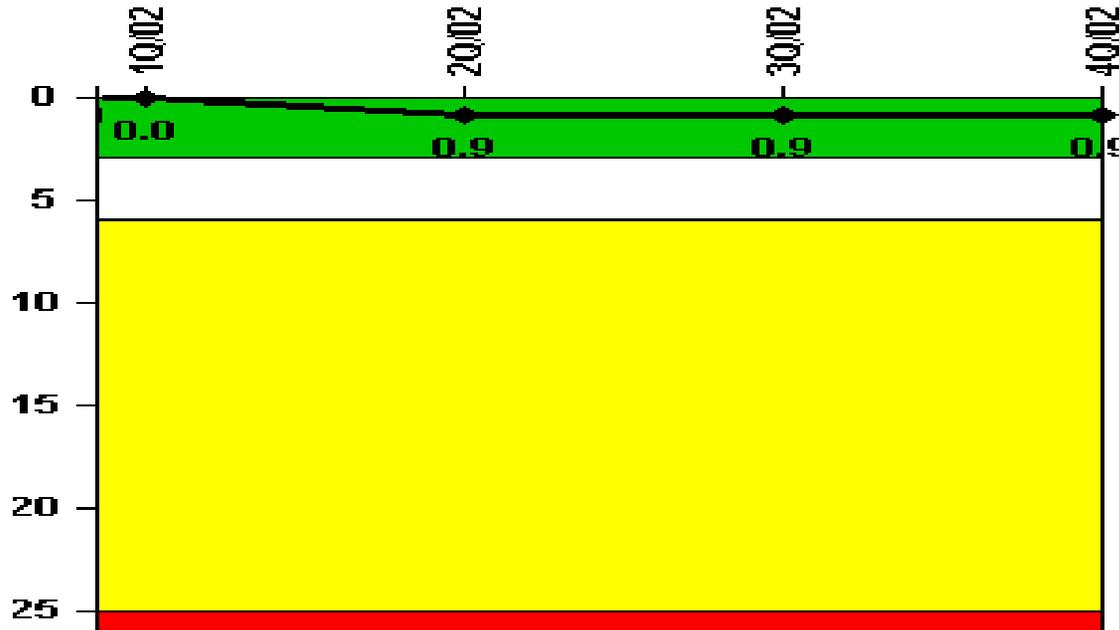
- **Performance indicator results and other assessment information available on the NRC's public web site:**

www.NRC.gov/NRR/OVERSIGHT/ASSESS/WC/wc_chart.html



Performance Indicators

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned Scrams	0	1	0	0
Critical Hours	1946	1408	2208	2209
Indicator Value	0	0.9	0.9	0.9



Baseline Inspection Program

- **Gathers objective evidence of plant safety**
- **Conducted at all plants**
- **Focuses on safety-significant:**
 - **Systems**
 - **Components**
 - **Activities**
 - **Events**



Event Follow-up and Supplemental Inspections

- **Review events for significance**
- **Follow-up significant inspection findings**
- **Determine causes of performance declines**
- **Provide for graduated response**



Inspection Reports

- **Describe findings and non-compliances**
- **Publicly accessible**

www.NRC.gov/reading-rm/adams.html



Resident Inspectors

- **Stationed at the plant**
- **Prompt response capability**
- **Over 2200 hours of oversight**

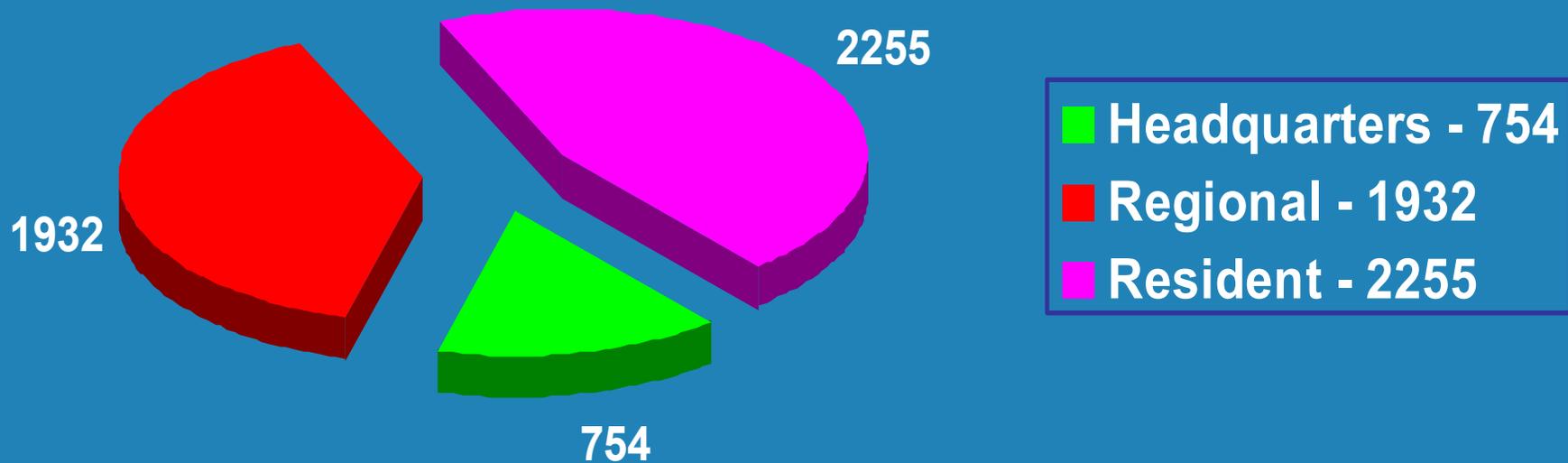


Regional Inspectors

- **Specialized**
- **Inspection teams**
- **Over 1900 hours of oversight**



Overall NRC Effort



Total hours - 4941

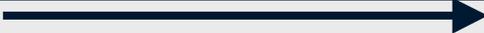


Key Aspects of the Assessment Program

- **Objective review of licensee performance**
- **“Action Matrix” to determine agency response in three areas:**
 - **Inspection**
 - **Management Involvement**
 - **Regulatory Actions**
- **Plant specific assessment letters**
- **Information on NRC public web site**



ACTION MATRIX

		Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
RESULTS		All Assessment Inputs (Performance Indicators (PI's) and Inspection Findings Green; Cornerstone Objectives fully met	One or Two White Inputs (in different cornerstones) in a Strategic Performance Area; Cornerstone Objectives fully met	One Degraded Cornerstone (2 White inputs or 1 Yellow Input) or any 3 White Inputs in a Strategic Performance Area; Cornerstone Objectives met with moderated degradation in safety performance	Repetitive Degraded Cornerstone, Multiple Degraded Cornerstones, Multiple Yellow Inputs, or 1 Red Input; Cornerstone Objectives met with longstanding issues or Significant degradation in Safety performance	Overall Unacceptable Performance; plants not permitted to operate within this band, Unacceptable Margin to Safety
RESPONSE	Regulatory Performance Meeting	None	Branch Chief (BC) or Division Director (DD) meet with Licensee	DD or Regional Administrator (RA) meet with Licensee	RA (or EDO) meet with Senior Licensee Management	Commission meeting With Senior Licensee Management
	Licensee Action	Licensee Corrective Action	Licensee root cause Evaluation and corrective Action with NRC oversight	Licensee cumulative root cause evaluation with NRC oversight	Licensee Performance Improvement Plan with NRC oversight	
	NRC Inspection	Risk-Informed Baseline Inspection Program	Baseline and supplemental inspection procedure 95001	Baseline and supplemental inspection procedure 95002	Baseline and supplemental inspection procedure 95003	
	Regulatory Actions ¹	None	Supplemental inspection only	Supplemental inspection only	-10 CFR 2.204 DFI -10 CFR 50.54(f) Letter -CAL/Order	Order to modify, Suspend, or revoke licensed activities
COMMUNICATION	Assessment Letters	BC or DD review/sign Assessment report (w/ inspection plan)	DD review/sign assessment report (w/ inspection plan)	RA reviews/sign assessment report (w/ inspection plan)	RA review/sign assessment report (w inspection plan)	
	Annual Public Meeting	SRI or BC meet with Licensee	BC or DD meet with Licensee	RA (or designee) discuss performance with Licensee	EDO discuss performance with Senior Licensee Management	
	Commission Involvement	None	None	None	Plant discussed at AARM	Commission Meeting with Senior Licensee Management
INCREASING SAFETY SIGNIFICANCE 						

Note 1: The regulatory actions for plants in the Multiple/Repetitive Degraded Cornerstone column are not mandatory agency actions. However, the regional office should consider each of these regulatory actions when significant new information regarding licensee performance becomes available.

ROP Action Matrix

Summary for 2002

	Licensee Response	Regulatory	Degraded Cornerstone	Multiple/ Repetitive Degraded Cornerstone	Unacceptable Performance
Nationwide	59	33	7	3	0
Region IV	13	5	2	1	0

Does not include Davis Besse



Plant Performance Summary



Performance Indicator Results

- **All performance indicators within the Licensee Response Band**



Inspection Results

- **NRC and Licensee identified inspection findings were of very low safety significance**
- **Special inspection for emergency diesel generator heat exchanger tube degradation**



Assessment Results

- **Assessment period was in Licensee Response Column**
- **Special Inspection (93812) completed in March 2002**



Assessment Conclusions

- **Public health and safety assured**
- **Strategic Area objectives fully met**



LICENSEE RESPONSE

Nuclear Industry Issues

- **Reactor Vessel Head Degradation**
- **Power Plant Security**



Reactor Vessel Head Degradation

- **NRC Bulletin 2002-01 “Reactor Pressure Vessel Head Degradation and Reactor Coolant Pressure Boundary Integrity”**
- **NRC Bulletin 2002-02 “Reactor Pressure Vessel Head & Vessel Penetration Nozzles”**
- **Head inspection order issued**
- **Inspections conducted**



Power Plant Security

- **Expanded involvement with other agencies**
- **Threat advisory and protective measures system**
- **Two orders issued**
- **Inspections – TI 2515/148**



LICENSEE RESPONSE

Summary

- **Risk-informed Programs**
- **Flexible/Predictable Response**
- **Public Safety Assured**



Contacting the NRC

- Report a Safety Concern:
(800) 695-7403 or Allegation@nrc.gov
- Report an Emergency:
(301) 816-5100 (collect)
- General Information or questions:
www.nrc.gov
Select “What we do” for Public Affairs



Contacts for Additional Information

- **Regional Public Affairs Officer**
 - **Victor Dricks**
 - **Phone: (817) 860 – 8128**

- **State Liason Officer**
 - **William (Bill) Maier**
 - **Phone: (817) 860 - 8267**

