



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

APR 17 2003

Paul D. Hinnenkamp  
Vice President - Operations  
River Bend Station  
Entergy Operations, Inc.  
P.O. Box 220  
St. Francisville, Louisiana 70775

SUBJECT: SUMMARY OF ANNUAL PERFORMANCE ASSESSMENT MEETING FOR  
RIVER BEND STATION

Dear Mr. Hinnenkamp:

This refers to the meeting conducted in St. Francisville, Louisiana, on April 10, 2003, to discuss the safety performance at River Bend Station between January 1 and December 31, 2002.

Topics discussed during the meeting included the Reactor Oversight Process, the safety performance at River Bend 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,

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

Docket: 50-458  
License: NPF-47

Enclosures:  
1. Attendance List  
2. Presentation

Entergy Operations, Inc.

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cc:  
Executive Vice President and  
Chief Operating Officer  
Entergy Operations, Inc.  
P.O. Box 31995  
Jackson, Mississippi 39286-1995

Vice President  
Operations Support  
Entergy Operations, Inc.  
P.O. Box 31995  
Jackson, Mississippi 39286-1995

General Manager  
Plant Operations  
River Bend Station  
Entergy Operations, Inc.  
P.O. Box 220  
St. Francisville, Louisiana 70775

Director - Nuclear Safety  
River Bend Station  
Entergy Operations, Inc.  
P.O. Box 220  
St. Francisville, Louisiana 70775

Wise, Carter, Child & Caraway  
P.O. Box 651  
Jackson, Mississippi 39205

Mark J. Wetterhahn, Esq.  
Winston & Strawn  
1401 L Street, N.W.  
Washington, DC 20005-3502

Manager - Licensing  
River Bend Station  
Entergy Operations, Inc.  
P.O. Box 220  
St. Francisville, Louisiana 70775

The Honorable Richard P. Ieyoub  
Attorney General  
Department of Justice  
State of Louisiana  
P.O. Box 94005  
Baton Rouge, Louisiana 70804-9005

Entergy Operations, Inc.

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H. Anne Plettinger  
3456 Villa Rose Drive  
Baton Rouge, Louisiana 70806

President  
West Feliciana Parish Police Jury  
P.O. Box 1921  
St. Francisville, Louisiana 70775

Michael E. Henry, State Liaison Officer  
Department of Environmental Quality  
P.O. Box 82135  
Baton Rouge, Louisiana 70884-2135

Brian Almon  
Public Utility Commission  
William B. Travis Building  
P.O. Box 13326  
1701 North Congress Avenue  
Austin, Texas 78701-3326

Jimmy Bello, President  
Pointe Coupe Parish Police Jury  
P.O. Box 290  
New Roads, Louisiana 70760

James Hunt, President  
East Feliciana Parish Police Jury  
P.O. Box 427  
Clinton, Louisiana 70722

Ted Denstel, Parish President  
West Baton Rouge Parish Counsel  
P.O. Box 757  
Port Allen, Louisiana 70767

Burt Babers, President  
West Feliciana Parish Police Jury  
P.O. Box 1921  
St. Francisville, Louisiana 70775

Bobby Simpson, Mayor-President  
Office of the Mayor-President  
East Baton Rouge Parish  
P.O. Box 1471  
Baton Rouge, Louisiana 70821

Entergy Operations, Inc.

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Ron Castleman, Regional Director  
Federal Emergency Management Agency  
Region VI, Federal Center  
800 North Loop 288  
Denton, Texas 76201-3698

Jim Brewer  
Assistant Chief Administrative Officer  
Office of the Mayor/President  
East Baton Rouge Parish  
P.O. Box 1471  
Baton Rouge, Louisiana 70821

Joanne Moreau, Director  
Dept. of Emergency Management  
East Baton Rouge Parish  
P.O. Box 1471  
Baton Rouge, Louisiana 70821

Charles LeBlanc, Director  
Dept. of Emergency Management  
West Baton Rouge Parish  
P.O. Box 757  
Port Allen, Louisiana 70767

Don Ewing, Director  
Dept. of Emergency Management  
Pointe Coupee Parish  
P.O. Box 248  
New Roads, Louisiana 70760

Col. Michael L. Brown, Assistant Director  
Military Department  
Louisiana Office of Emergency Preparedness  
P.O. Box 44217  
7667 Independence Blvd.  
Baton Rouge, Louisiana 70806

Jesse Means, Director  
Dept. of Emergency Management  
West Feliciana Parish  
P.O. Box 1927  
St. Francisville, Louisiana 70775

Entergy Operations, Inc.

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T. W. Prewitt, Director  
Dept. of Emergency Management  
East Feliciana Parish  
P.O. Box 640  
Jackson, Louisiana 70748

Mr. William D'Aquila, Mayor  
Town of St. Francisville  
P.O. Box 400  
St. Francisville, Louisiana 70775

Electronic distribution by RIV:  
 Regional Administrator (**EWM**)  
 DRP Director (**ATH**)  
 DRS Director (**DDC**)  
 Senior Resident Inspector (**PJA**)  
 Branch Chief, DRP/B (**DNG**)  
 Senior Project Engineer, DRP/B (**RAK1**)  
 Staff Chief, DRP/TSS (**PHH**)  
 RITS Coordinator (**NBH**)  
 B. McDermott (**BJM**)  
 RBS Site Secretary (**LGD**)

ADAMS: ☒ Yes ☐ No Initials: \_\_\_\_\_  
☒ Publicly Available ☐ Non-Publicly Available ☐ Sensitive ☐ Non-Sensitive

R:\ RB\2003\RB4-10-03 EOC MS.wpd

RIV:PE:DRP/B	C:DRP/B			
JLDixon;df	DNGraves			
2003	4/17/03			
4/16/03	4/17/03			

OFFICIAL RECORD COPY

T=Telephone

E=E-mail

F=Fax

## END-OF-CYCLE MEETING ATTENDANCE

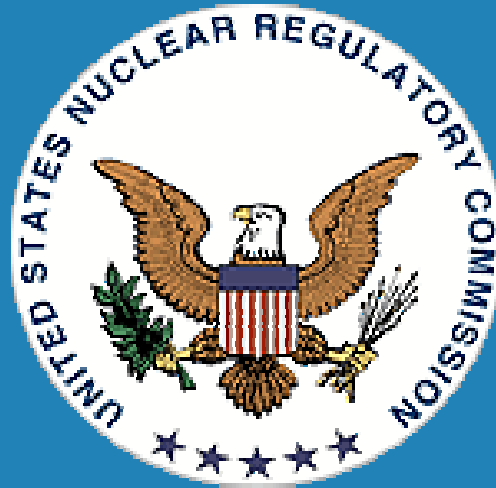
LICENSEE/FACILITY	ENTERGY/ River Bend Station
DATE/TIME	April 10, 2003 7:00 pm
LOCATION	River Bend Station Training Center 5485 U.S. Highway 61 (at River Bend Station Plant Access Road) St. Francisville, LA
NAME (PLEASE PRINT)	ORGANIZATION
Jeffrey P Mayers	LDEQ
Rick King	ENTERGY - RBS
Robert J. Babin	ENTERGY - RBS
Gail H. Good	NRC
David Graves	NRC
Peter Alter	NRC
Michael Miller	NRC
Barry Allen	Entergy - RBS
Lisa Day	NRC
Becky Otter	Public
Marie Miller	Public
Kristi Hoffstatler	Entergy - RBS
Amy Wells	Entergy - RBS

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NAME (PLEASE PRINT)	ORGANIZATION
Davey Wells	Entergy
ANDRE JAMES	ENTERGY
PAUL HINNENKAMP	ENTERGY
Russ BRIAN	ENTERGY
TOM MESPANER	ENTERGY
Veronica Klein	NRC
Susan Webb	self
Michael Webb	NRC
Tommy C. Boyett	Fire Dist. #1 of W. Feliciana
Jesse L. Means, Jr.	West Feliciana Parish, OEP
Michael M. Taylor	W.F.S.O
LEAH LANE	LOEP



# **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**

**Gail Good**

**Acting Deputy Director  
Division of Reactor Projects**

**David Graves**

**Chief, Project Branch B  
Division of Reactor Projects**

**Peter Alter**

**Senior Resident Inspector  
River Bend Station**

**Michael Miller**

**Resident Inspector  
River Bend Station**



# **Meeting Agenda**

- **Regulatory Oversight**
- **Findings and Assessments**
- **Nuclear Industry Issues**
- **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**

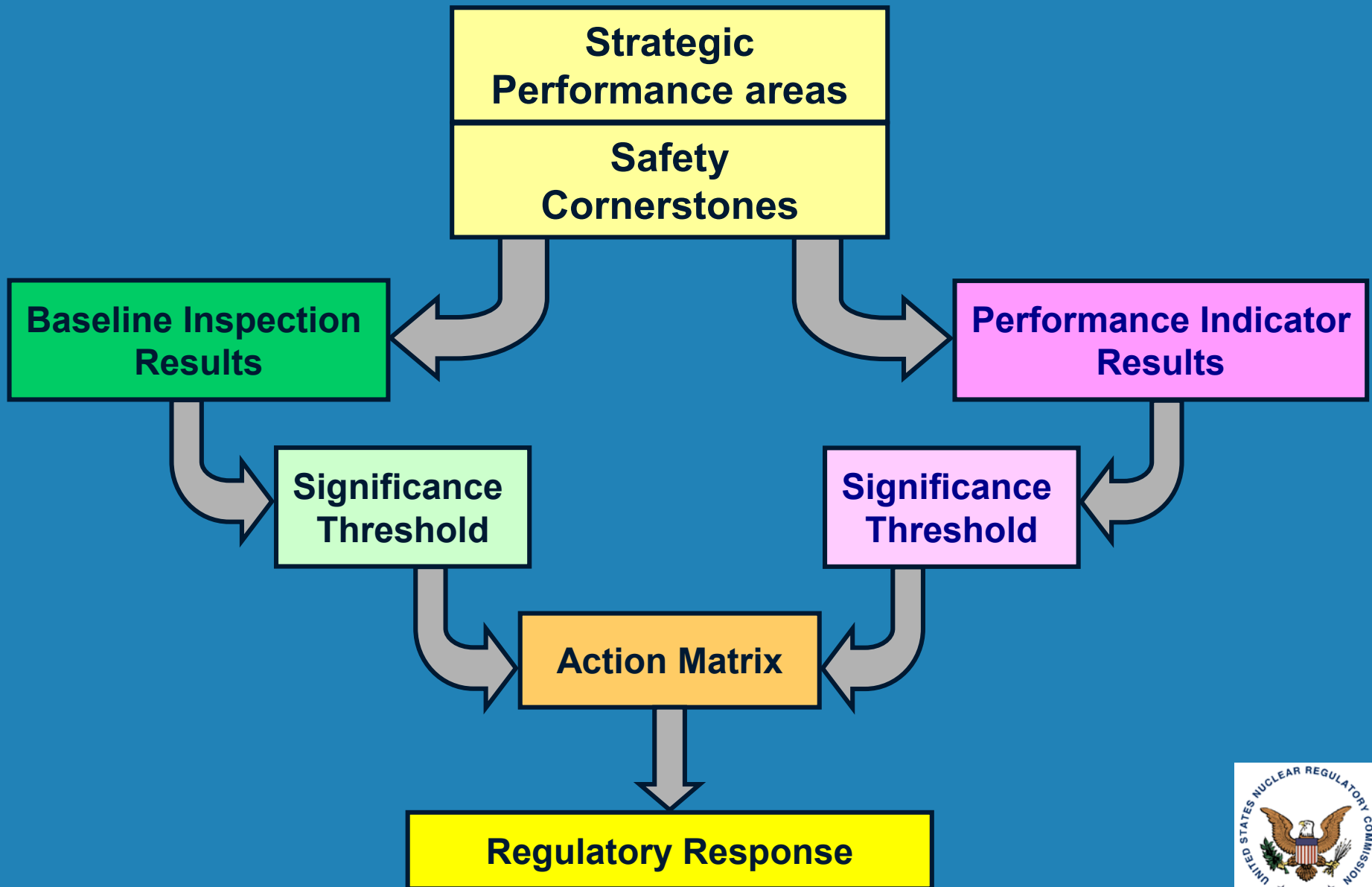
**Occupational**

**Physical  
Protection**





# Reactor Oversight Process



# Reactor Oversight Process

## SAFETY SIGNIFICANCE

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**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**

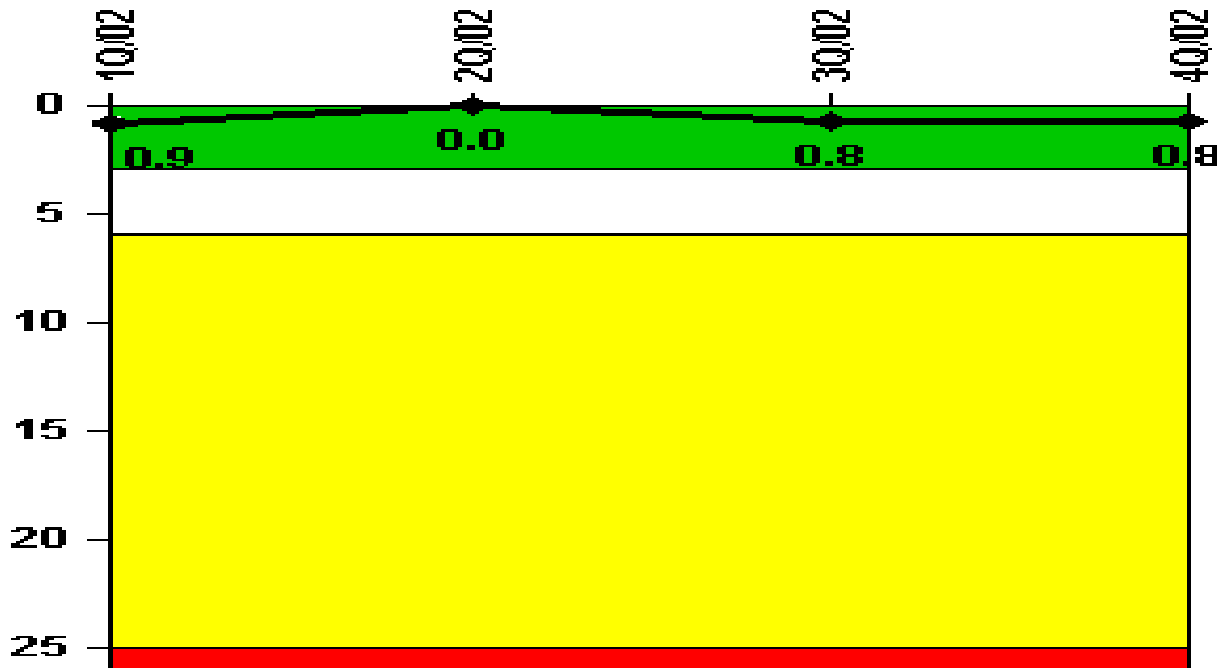
- **Performance indicator results and other assessment information available on the NRC's public web site:**

**[www.NRC.gov/NRR/OVERSIGHT/  
ASSESS/RBS1/rbs1\\_chart.html](http://www.NRC.gov/NRR/OVERSIGHT/ASSESS/RBS1/rbs1_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	0	1	0
Critical Hours	2160	2115	2148	2209
Indicator Value	0.9	0	0.8	0.8



# **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-compliance**
- **Publicly accessible**

**[www.NRC.gov/reading-rm/adams.html](http://www.NRC.gov/reading-rm/adams.html)**





# **Resident Inspectors**

- **Stationed at the plant**
- **Prompt response capability**
- **Over 2700 hours of oversight**

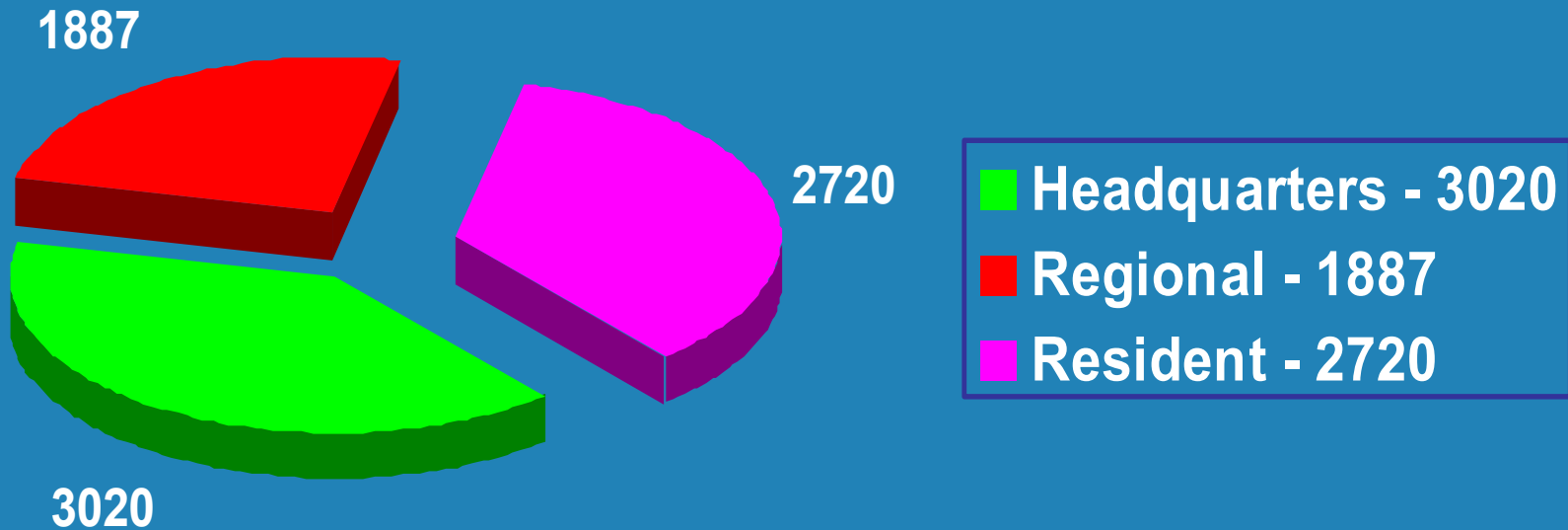


# **Regional Inspectors**

- **Specialized**
- **Inspection teams**
- **Over 1800 hours of oversight**



# Overall NRC Effort



**Total hours - 7627**




# **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 <sup>1</sup>	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**

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

**Does not include Davis Besse**



# **Plant Performance** **Summary**



# **Performance Indicator** **Results**

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





# **Inspection Results**

- **Two special inspections conducted**
- **Inspection findings were of low to moderate and very low safety significance**



# **White Finding**

- **Emergency Preparedness Cornerstone**
- **Failure to meet planning standard**
- **Moderate safety significance**
- **Supplemental Inspection performed**



# **Assessment Results**

- **Licensee performance was in the Regulatory Response Column**



# **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**

