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IMMEDIATE PLACEMENT IN THE PUBLIC DOMAIN**

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**Do not include proprietary materials.***

DATE OF MEETING

04/09/2002

The attached document(s), which was/were handed out in this meeting, is/are to be placed in the public domain as soon as possible. The minutes of the meeting will be issued in the near future. Following are administrative details regarding this meeting:

Docket Number(s)	05000334, 05000412
Plant/Facility Name	Beaver Valley Power Station
TAC Number(s) (if available)	
Reference Meeting Notice	02-21
Purpose of Meeting (copy from meeting notice)	NRC Staff and FENOC mgt will discuss the results of  the NRC's assessment of the safety performance at  Beaver Valley for the period 04/01/01 - 12/31/01.

NAME OF PERSON WHO ISSUED MEETING NOTICE

John F. Rogge

TITLE

Chief, Projects Branch 7

OFFICE

USNRC Region I

DIVISION

Division of Reactor Projects

BRANCH

Projects Branch 7

Distribution of this form and attachments:

Docket File/Central File  
PUBLIC

# Annual Assessment Meeting

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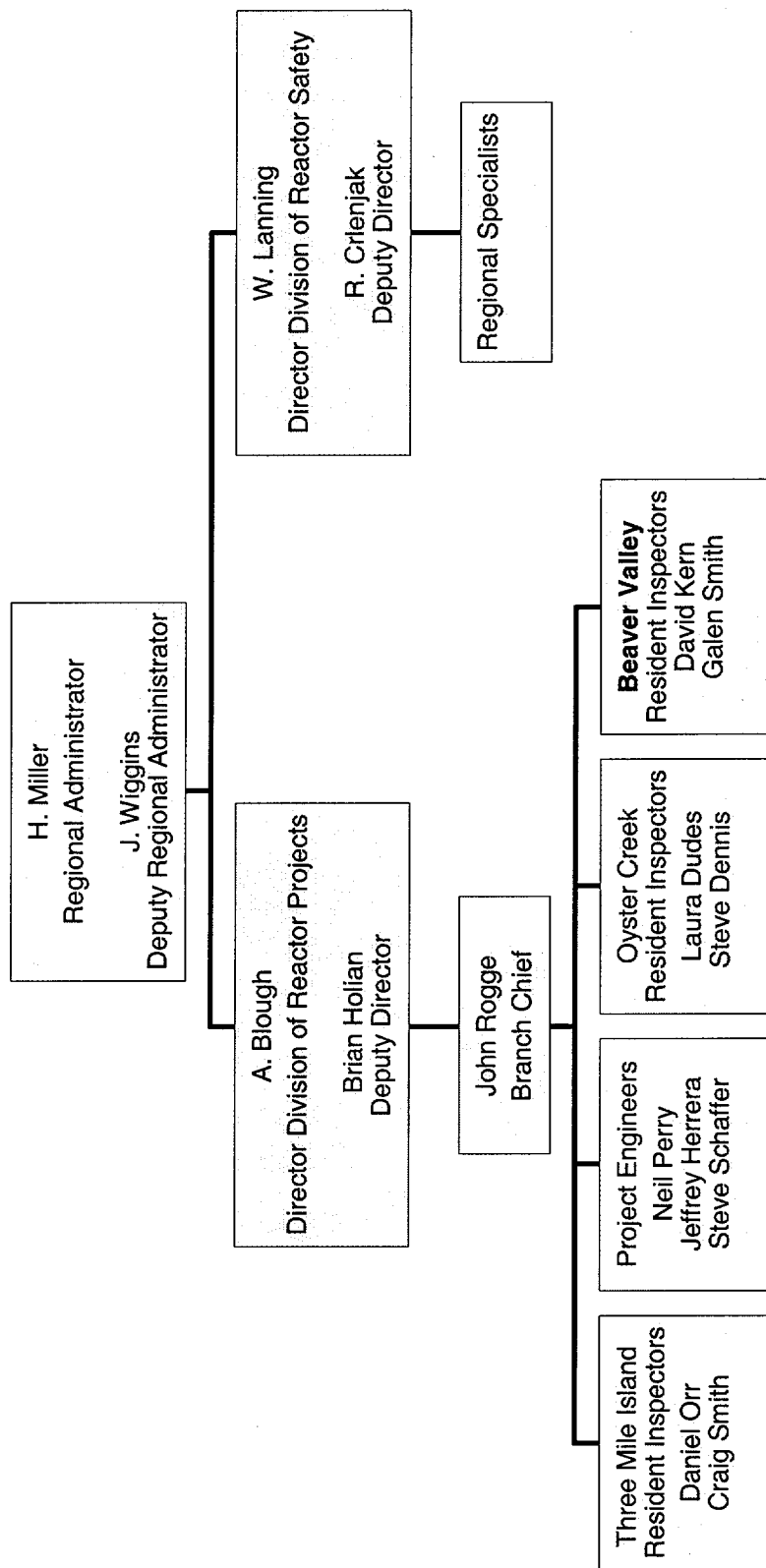
Nuclear Regulatory Commission - Region I  
King of Prussia, PA

# Agenda

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- Introduction
- Review of Reactor Oversight Process
- Discussion of Plant Performance Results
- Licensee Response and Remarks
- NRC Closing Remarks
- Meeting with the Licensee adjourned
- NRC available to address questions from the public

# Region I Organization



# NRC Representatives

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- John Rogge, Branch Chief, Division of Reactor Projects  
– (610)337-5146
- David Kern, Senior Resident Inspector  
– (724) 643-2000
- Galen Smith, Resident Inspector  
– (724) 643-2000
- Neil Perry, Senior Project Engineer  
– (610) 337-5225
- Jeffrey Herrera, Reactor Engineer  
– (610) 337-5399

# NRC Response to 9/11

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- Highest Level of Security Maintained
- Comprehensive Review of Security
- Closely Coordinated Response With:
  - Our Licensees
  - FBI
  - Military, State, and Local Agencies
  - Intelligence Communities
- Issued Security Advisories
  - Increased Patrols
  - Augmented Security Capabilities
  - Added Barriers and Posts
  - More Limited Access
  - Enhanced Security Awareness
- Issued Order on Security
- NRC Monitoring Enhanced Security

# NRC Activities

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- Ensure nuclear plants are designed, constructed, and operated safely
- Issue licenses for the peaceful use of nuclear materials in the U.S.
- Ensure licensees use nuclear materials and operate plants safely, and are prepared to respond to emergencies

# NRC Performance Goals

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- Maintain safety and protect the environment
- Enhance public confidence
- Improve effectiveness, efficiency, and realism of processes and decision making
- Reduce unnecessary regulatory burden

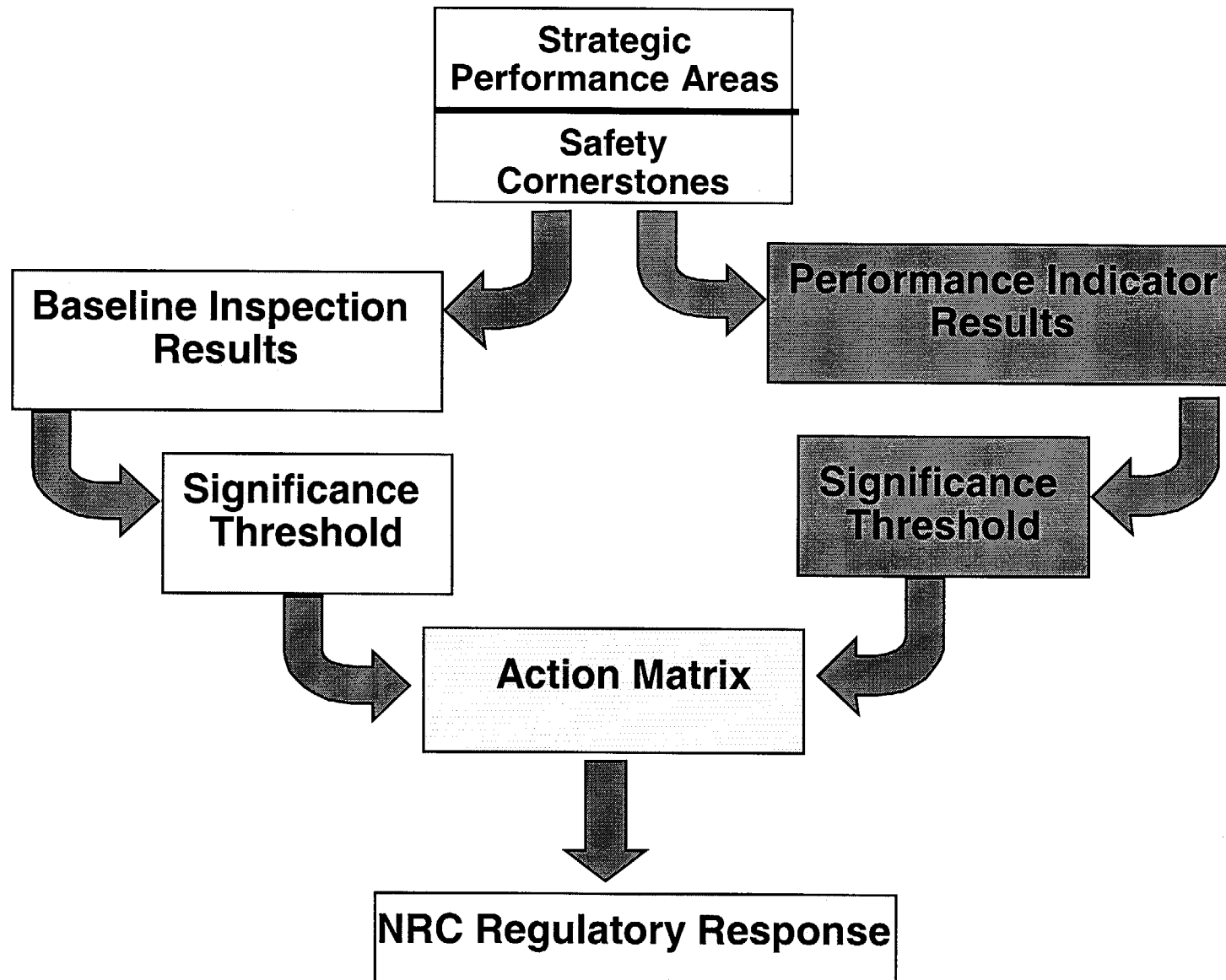
# **NRC Reactor Oversight Activities**

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- Provides assurance plants are operating safely and in accordance with the regulations
- Risk informed process
- Objective indicators of performance
- Inspections focused on key safety areas
- Defines expected NRC and licensee actions

# Reactor Oversight Process

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# Examples of Baseline Inspections

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- Equipment Alignment ~ 80 hrs/yr
- Annual Fire Protection ~ 35 hrs/yr
- Triennial Fire Protection ~ 200 hrs every 3 yrs
- Operator Response ~ 125 hrs/yr
- Plant security ~ 40 hours/yr
- Emergency preparedness ~ 60 hrs/yr
- Rad release controls ~ 100 hrs every 2 years
- Worker radiation protection ~ 125 hrs/year
- Corrective action program 10% every inspection
- Corrective action program ~ 200 hr every 2 yrs

# Significance Threshold

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## Performance Indicators

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

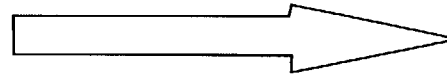
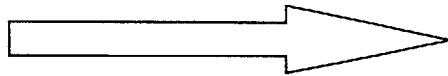
## Inspection Findings

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

# Action Matrix Concept

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<b>Licensee Response</b>	<b>Regulatory Response</b>	<b>Degraded Cornerstone</b>	<b>Multiple/Degraded Cornerstone</b>	<b>Unacceptable Performance</b>
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Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions

# Substantive Cross Cutting Issue

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- Common cause of inspection findings
  - ▶ Human performance
  - ▶ Problem identification and resolution
  - ▶ Safety conscious work environment
- Multiple inspection findings with a common cause
- Common cause documented in an assessment letter
- Focus licensee and NRC activities

# National Summary of Plant Performance

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End of Calendar Year 2001

Licensee Response	73
Regulatory Response	25
Degraded Cornerstone	4
Multiple/Repetitive Degraded Cornerstone	1
Unacceptable	0

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Total Plants	103
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# National Summary

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## ■ Performance Indicator Results (4th Qtr Calendar Yr 2001)

▶ Green	1834
▶ White	8
▶ Yellow	0
▶ Red	0

## ■ Total Inspection Findings (April 2001 - December 2001)

▶ Green	660
▶ White	23
▶ Yellow	2
▶ Red	0

# **Beaver Valley Annual Assessment**

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**(April 1 - Dec 31, 2001)**

# Beaver Valley Inspection Activities

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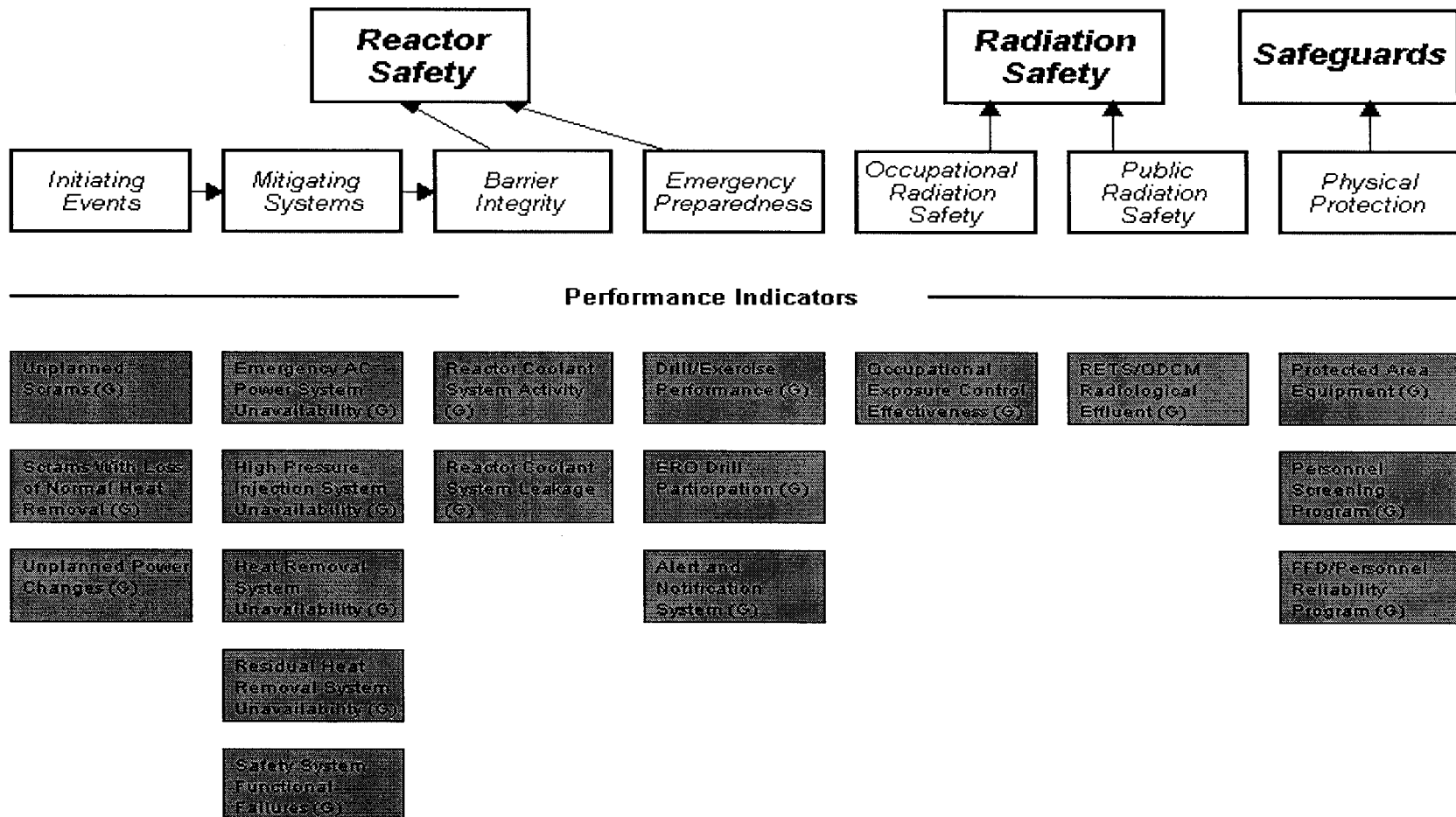
(Jan 1 - Dec 31, 2001)

- 5700 hours of inspection related activity
- Two resident inspectors performing inspections
- 16 inspections by regional inspectors
  - ▶ Included 4 team inspections
- Inspection Findings
  - ▶ 14 findings of very low safety significance

# Plant Performance Summary

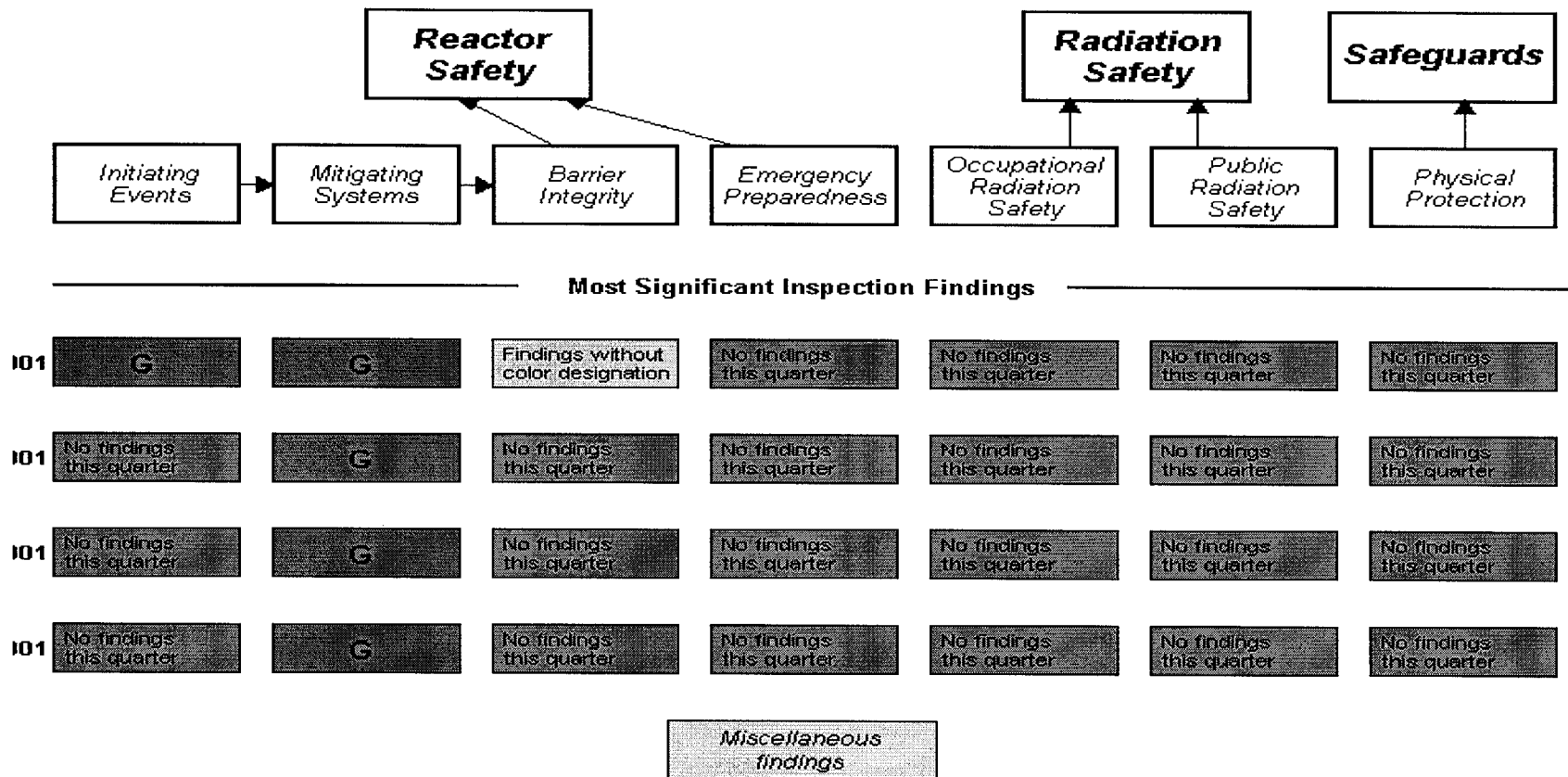
4th Quarter 2001, Unit 1

[http://WWW.NRC.GOV/NRR/OVERSIGHT/ASSESS/BV1/bv1\\_chart.html](http://WWW.NRC.GOV/NRR/OVERSIGHT/ASSESS/BV1/bv1_chart.html)



# Plant Performance Summary

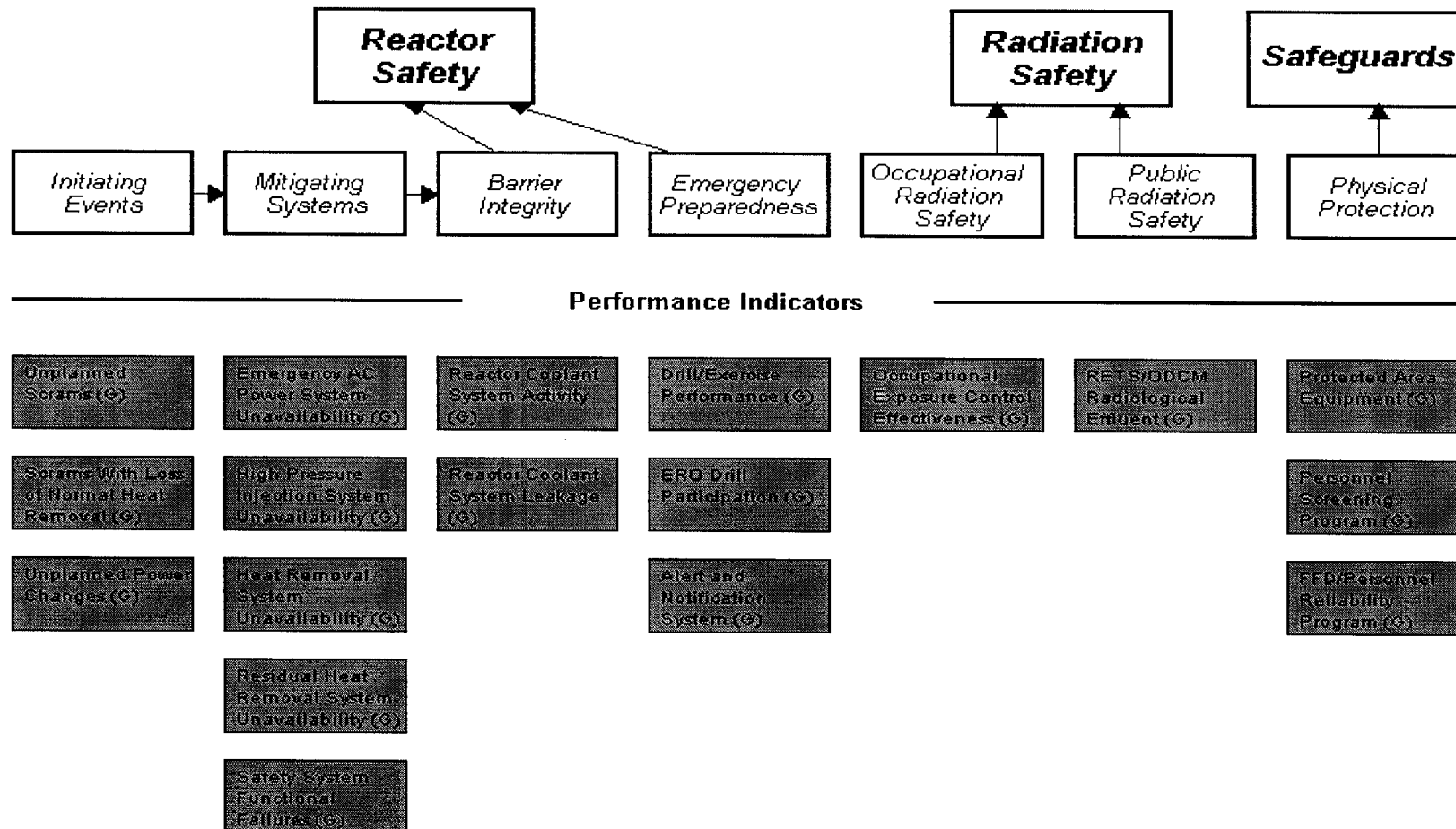
4th Quarter 2001, Unit 1



# Plant Performance Summary

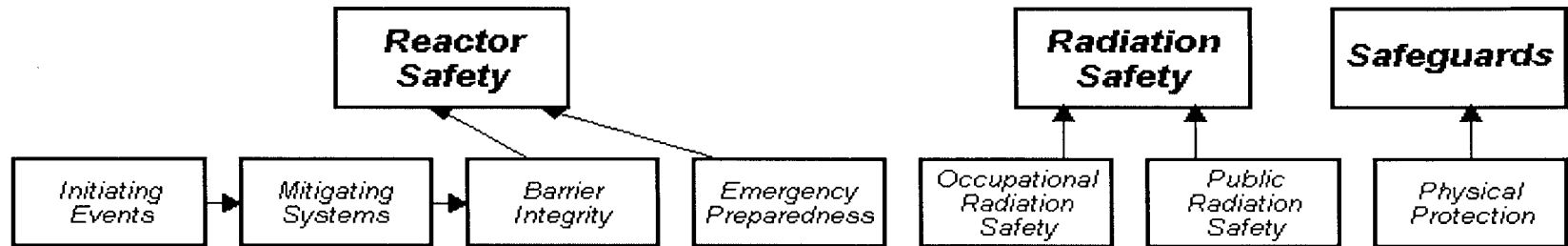
4th Quarter 2001, Unit 2

[http://WWW.NRC.GOV/NRR/OVERSIGHT/ASSESS/BV2/bv2\\_chart.html](http://WWW.NRC.GOV/NRR/OVERSIGHT/ASSESS/BV2/bv2_chart.html)



# Plant Performance Summary

4th Quarter 2001, Unit 2



## Most Significant Inspection Findings

4Q/2001	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
3Q/2001	No findings this quarter	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
2Q/2001	No findings this quarter	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
1Q/2001	No findings this quarter	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter

Miscellaneous findings

# **Beaver Valley Annual Assessment**

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**(April 1 - Dec 31, 2001)**

- Operated safely
- Fully met all cornerstone objectives
- Licensee Response Band of Action Matrix
  - All Inspection Findings of very low safety significance (Green)
- All Performance Indicators requiring no additional NRC oversight (Green)
- NRC Plans to conduct baseline inspections

# Reference Sources

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- Reactor Oversight Process

- ▶ <http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html>

- Public Electronic Reading Room

- ▶ <http://www.nrc.gov/reading-rm/adams.html>

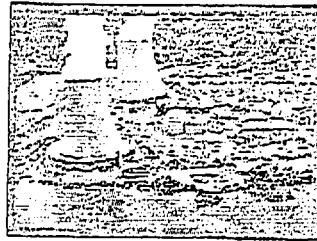
- Public Document Room

- ▶ 1-800-397-4209 (Toll Free)

- Region I Public Affairs Office

- ▶ Neil Sheehan or Diane Screnci
- ▶ 1-800-432-1156 (Toll Free)

*BEAVER VALLEY PLANT ANNUAL  
ASSESSMENT MEETING - April 9, 2002*



**FENOC**  
Federal Energy Nuclear Operating Corporation

*BVPS Senior Management Team*

- Lew Myers, Senior Vice President
- Bill Pearce, Plant General Manager
- Bob Donnellon, Director, Maintenance
- Fred vonAhn, Director, Engineering
- Marc Pearson, Director, Services & Projects
- Jim Lash, Director, Personnel Development

**FENOC**  
Federal Energy Nuclear Operating Corporation

### *Desired Outcomes*

- Operational Performance Improvements Continue to be Addressed
- Plant Material Condition Continues to Improve
- Corrective Action Program - Building Block for Improving both Reliability and Safety Margin
- Investing in Long Term Initiatives with Full Potential Program and Personnel Initiatives

**FENOC**

### *Operations Improvements*

- Operations Resource Plan for Operational Excellence
- Outage Performance
- Operational Safety
  - Worker Dose Reductions 2.19 man-rem; 74 man-rem
  - Minimizing On-Line Risk
  - Industrial Safety

**FENOC**

## *Maintenance - Improving Materiel Condition*

- Preventive Maintenance
- Corrective Maintenance
- Major Equipment Reliability Program
- Maintenance Rule A-1 Systems
- Maintenance Training

**FENOC**  
Fluor Energy Nuclear Power Company

## *Engineering - Improving Plant Safety Margin*

- Latent Issues Review Program
- Corrective Action Program
- Formal Root Cause Investigation Training
- Major Equipment Design Improvements
  - PSA Model Update
  - River Water Pumps
  - Charging Pumps
  - Residual Heat Removal Pump

**FENOC**  
Fluor Energy Nuclear Power Company

## *Achieving Our Potential*

- Human Performance Initiatives
- Self Assessment Program
- INPO Assist Visits & Benchmarking
- Full Potential Program
  - Containment Conversion, Power Uprate, S/G & Vessel Head Replacement
  - Partnering with Westinghouse

**FENOC**  
Florida Energy Nuclear Operations Company

## *Personnel Investment*

- Operations Accreditation Renewal
- Employee Development
- Workforce Replenishment
- Contract Ratification

**FENOC**  
Florida Energy Nuclear Operations Company

## *Conclusions*

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- Pleased with Assessment that all Objectives were Met
- Continue with Materiel Condition Improvements
- Continue to Address Human Performance
- Continue to Focus on Strong Management Involvement and Technical Competence to Find and Address Latent Issues

**FENOC**  
FOR ENHANCED NAVY OPERATIONAL CAPABILITY

NRC/FENOC BVPS Annual Assessment Meeting

April 9, 2002

List of Attendees

<u>Name</u>	<u>Organization</u>
Stephen Wright	FENOC
Gene Kuntz	FENOC
JB NABUDA	FENOC
KD GRADA	FENOC
Joe Vinton	FENOC
Dan Mickinac	FENOC
Nicholas Yawosich	Mayor, Eureka
Bill Patterson	IBEW 29
Dean Girouard	FENOC
George Storois	FENOC
Ralph Hanson	FENOC
Thomas Cosgrove	FENOC
Dave Kopp	FENOC
Dave Held	FENOC
Lew Myers	FENOC
Bill Pearce	FENOC
Bob Donnellon	FENOC
Fred von Ahn	FENOC
Marc Pearson	FENOC
Jim Lash	FENOC
Robert Saunders	FENOC

# NRC/FENOC BVPS Annual Assessment Meeting

April 9, 2002

## List of Attendees

Name

Organization

Alan Bevan	FENOC
DAVID R Kline	FENOC
Jim Kasunick	FENOC
Mike Clancy	MAYOR SH. P. NG FORT
Kuss (Child)	BEAVER CO GOV'T
Terry Porter	FENOC
NICK DI PIETRO	FENOC
Janice Kuhn	FENOC ITC Supt.
RT SNOWDEN	FENOC ELCC MAINT
DE WATTS	FENOC MECH MAINT.
MARY BEH DUNNING	FE SUPPLY CHAIN - MTL MGMT SUPV.
Brian Sepelch	FENOC
JR LAY	FENOC
Doyle Wilson	FENOC
Roy Brosi	FENOC
Colin Keller	FENOC
Charles Bibber	FENOC
Stephane Waite	BCTimes
FRANK LIPCHICK	FENOC
Don Duhosh	WESTINGHOUSE

# NRC/FENOC BVPS Annual Assessment Meeting

April 9, 2002

## List of Attendees

<u>Name</u>	<u>Organization</u>
DAVE HELD	FENOC
DAVE KERN	NRC
JOHN ROGGE	NRC
NEIL PERRY	NRC
JEFF HERBERA	NRC
SUSAN VICINIE	FENOC
DON WILGIAN	DZNPS
DAWN LATTES	FENOC
ANGELA FENWICK	FENOC
WILLIAM R. KIRK	FENOC
GARY SHILDT	FENOC
JOHN PAUL JONES	HCOES
MARY R. SMITH	Columbia County EMA
ALLEY FIELAND	FENOC
ALAN HANLEY	FENOC
ISAM DAVIS	FENOC
JOHN "JACK" STANKIEWICZ	HCOES
CHRIS HYAKS	FENOC
MICHE JOHNSTON	FENOC