

# Beaver Valley Annual Assessment Meeting

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Reactor Oversight Program - CY 2004



Nuclear Regulatory Commission - Region I  
King of Prussia, PA  
March 30, 2005

# Agenda

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

# Purpose of Today's Meeting

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- NRC will address licensee performance as identified in our annual assessment
- FENOC will respond to our assessment and inform the NRC of new or existing programs to maintain or improve performance
- NRC comments on security, public involvement
- NRC will respond to questions from the public after the discussion with FENOC

# NRC Representatives

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- Arthur Burritt, Acting Branch Chief
  - (610) 337-5069
- Paul Cataldo, Senior Resident Inspector
  - (724) 643-2000
- Galen Smith, Resident Inspector
  - (724) 643-2000
- Timothy Colburn, Senior Project Manager
  - (301) 415-1402
- Ronald Bellamy, Decommissioning Branch Chief, DNMS
  - (610) 337-5200

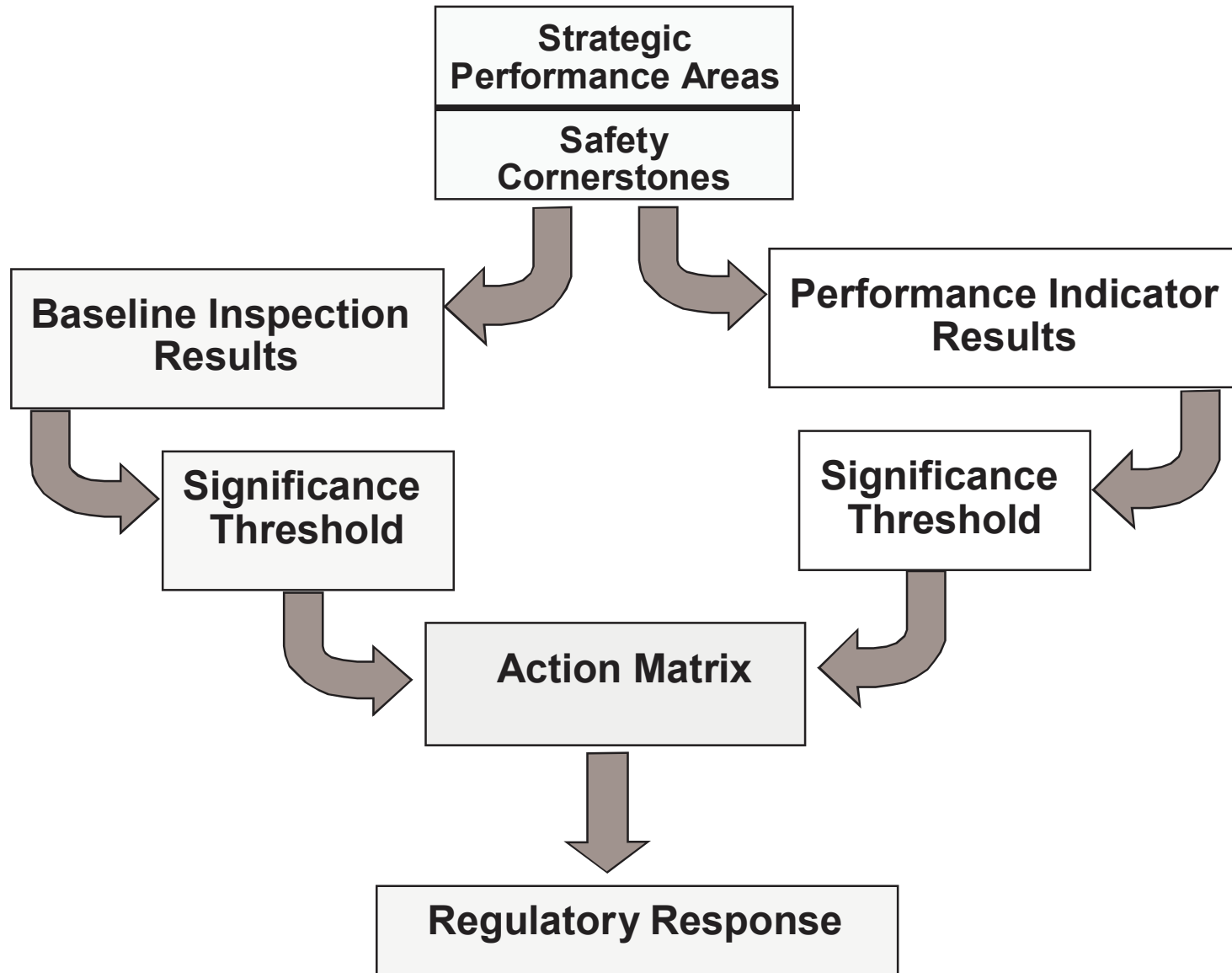
# NRC Performance Goals

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- Safety: Ensure protection of the public health and safety and the environment
- Security: Enhance the secure use and management of radioactive materials
- Openness: Ensure openness in our regulatory process
- Effectiveness: Ensure that NRC actions are effective, efficient, realistic and timely
- Management: Ensure excellence in agency management to carry out the NRC's strategic objective

# Reactor Oversight Process

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# Examples of Baseline Inspections

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- Equipment Alignment ~92 hrs/yr
- Triennial Fire Protection ~200 hrs every 3 yrs
- Operator Response ~125 hrs/yr
- Emergency Preparedness ~80 hrs/yr
- Rad Release Controls ~100 hrs every 2 yrs
- Worker Radiation Protection ~100 hrs/yr
- Corrective Action Program ~250 hrs every 2 yrs
- Corrective Action Case Reviews ~60 hrs/yr

# Significance Threshold

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## Performance Indicators

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

## Inspection Findings

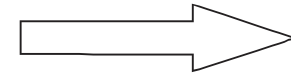
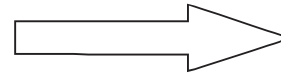
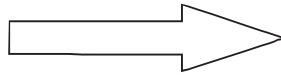
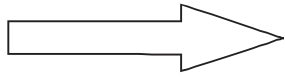
- Green:** Very Low safety issue
- White:** Low to moderate safety issue
- Yellow:** Substantial safety issue
- Red:** High safety issue



# Action Matrix Concept

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<b>Licensee Response</b>	<b>Regulatory Response</b>	<b>Degraded Cornerstone</b>	<b>Multiple/Rep. 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

# National Summary of Plant Performance

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## Status at End of CY 2004

Licensee Response	78
Regulatory Response	21
Degraded Cornerstone	0
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0

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Total Units 102\*

\*Davis-Besse is in IMC 0350 process

# National Summary

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- Performance Indicator Results (at end of CY 2004)

- < **Green** 1834

- < **White** 6

- < **Yellow** 0

- < **Red** 0

- Total Inspection Findings (CY 2004)

- < **Green** 778

- < **White** 11

- < **Yellow** 0

- < **Red** 0

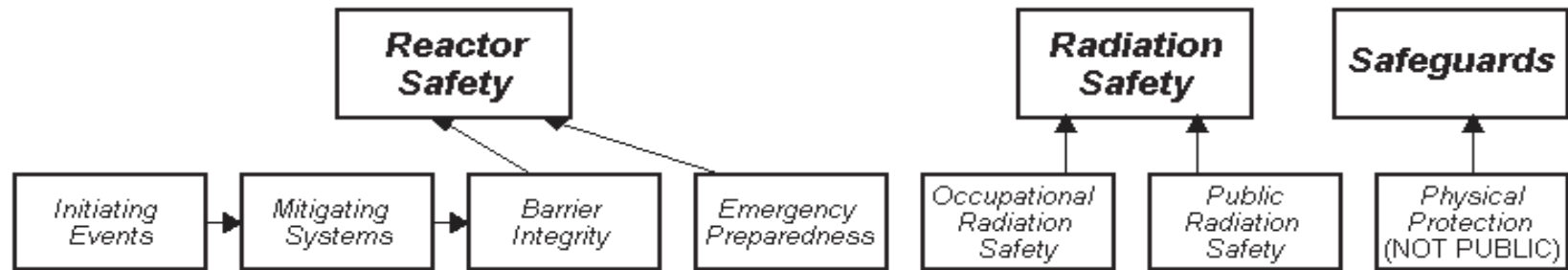
# Beaver Valley Assessment Results

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(Jan 1 - Dec 31, 2004)

- Operated safely
- Met all cornerstone objectives
- Both units in the Licensee Response Column of the Action Matrix for all four quarters of 2004
- NRC will continue to conduct baseline inspections in 2005

# Beaver Valley Unit 1 & 2 Performance Indicators

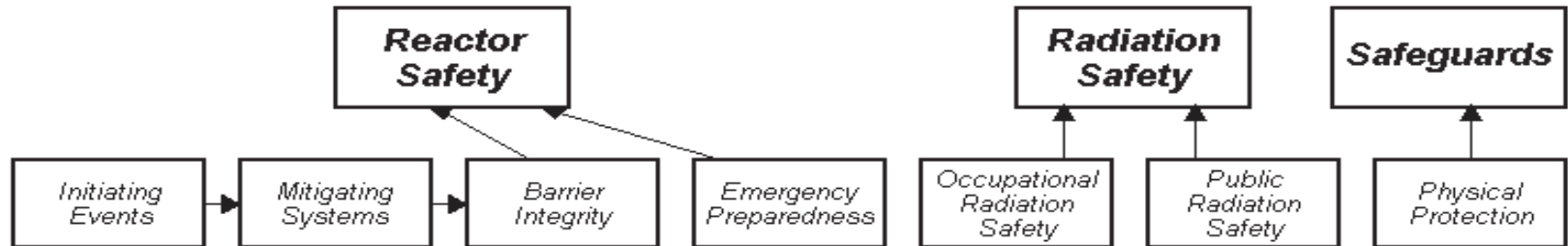


## Performance Indicators

Unplanned Scrams (G)	Emergency AC Power System Unavailability (G)	Reactor Coolant System Activity (G)	Drill/Exercise Performance (G)	Occupational Exposure Control Effectiveness (G)	RETS/ODCM Radiological Effluent (G)
Scrams With Loss of Normal Heat Removal (G)	High Pressure Injection System Unavailability (G)	Reactor Coolant System Leakage (G)	ERO Drill Participation (G)		
Unplanned Power Changes (G)	Heat Removal System Unavailability (G)		Alert and Notification System (G)		
	Residual Heat Removal System Unavailability (G)				
	Safety System Functional Failures (G)				

# BV Unit 1 Inspection Findings

[www.nrc.gov/NRR/OVERSIGHT/ASSESS/](http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/) then click BV1



## Most Significant Inspection Findings

	Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Occupational Radiation Safety	Public Radiation Safety	Physical Protection
4Q/2004	No findings this quarter	<b>G</b>	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
3Q/2004	<b>G</b>	<b>G</b>	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
2Q/2004	No findings this quarter	No findings this quarter	No findings this quarter	<b>G</b>	No findings this quarter	No findings this quarter	No findings this quarter
1Q/2004	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter

Miscellaneous findings

## Additional Inspection & Assessment Information

◆ Assessment Reports/Inspection Plans:

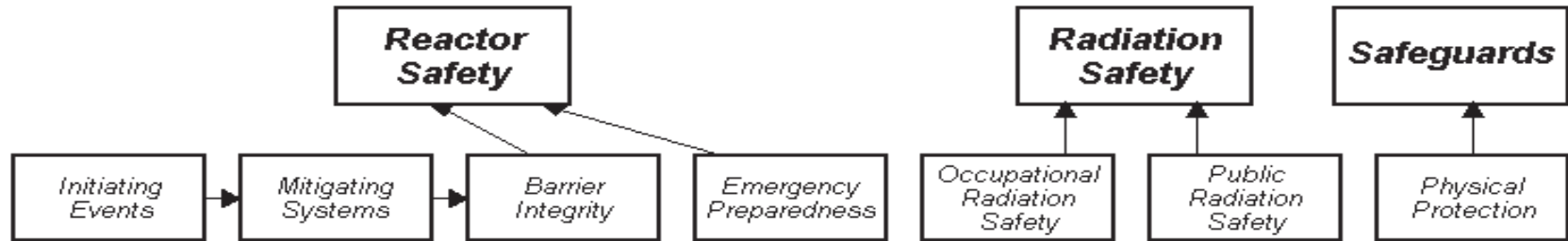
4Q/2004

◆ List of Inspection Reports

◆ List of Assessment Letters/Inspection Plans

# BV Unit 2 Inspection Findings

[www.nrc.gov/NRR/OVERSIGHT/ASSESS/](http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/) then click BV2



## Most Significant Inspection Findings

Quarter	Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Occupational Radiation Safety	Public Radiation Safety	Physical Protection
4Q/2004	No findings this quarter	<b>G</b>	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
3Q/2004	No findings this quarter	<b>G</b>	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
2Q/2004	No findings this quarter	No findings this quarter	No findings this quarter	<b>G</b>	No findings this quarter	No findings this quarter	No findings this quarter
1Q/2004	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter

Miscellaneous findings

## Additional Inspection & Assessment Information

◆ Assessment Reports/Inspection Plans:

4Q/2004

◆ List of Inspection Reports

◆ List of Assessment Letters/Inspection Plans

# Beaver Valley Inspection Activities

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(Jan 1 - Dec 31, 2004)

- 6,200 hours of inspection related activities
- 2 resident inspectors assigned to the site
- 14 regional inspections
- 2 team inspections - Safety System Design Inspection and the Fire Protection Triennial Inspection
- Inspection Findings
  - < Eight findings of very low safety significance (Green)



# Beaver Valley Assessment Summary

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(Jan 1 - Dec 31, 2004)

- Operated safely
- Preserved Public Health and Safety
- Highest Performance Category

# **BV Planned Inspections**

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(Jan 1 - Dec 31, 2005)

- 12 regional inspector visits scheduled
- 1 team inspection scheduled
  - Problem Identification & Resolution

# **FENOC Response and Remarks**

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Beaver Valley Nuclear Power Station  
Units 1 & 2  
First Energy Nuclear Operating Company

# NRC Security Program Update

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- Access Authorization Order (January 2003)
- Training Order (April 2003)
- Fatigue Order (April 2003)
  
- Above 3 Orders Implemented (Oct. 29, 2004)
  
- Changes to Site Security plans to incorporate the requirements of the orders (April 2004)
- Expanded Force-on-Force Exercises (ongoing)
- New NRC Security Baseline Inspection Program initiated (February 2004)

# Ways for the Public To Become Informed & Involved in the Regulatory Process

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## Examples

- Participate in NRC Public Meetings
  - < Sign up to be on our mailing list
- Visit the NRC website on a regular basis
- Publically comment on proposed licensing actions or file a Petition for Rulemaking
- 10 CFR 2.206 petition process
- Contact the NRC via E-mail, mail or phone to address questions or areas of concern
- Participate in open NRC/industry symposiums
- Freedom of Information Act (FOIA) requests

# 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.html>
- Public Document Room  
< 1-800-397-4209 (Toll Free)
- Public Comment & Involvement in Rulemaking  
< <http://ruleforum.llnl.gov/>

# Contacting the NRC

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- 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](http://www.nrc.gov)
  - < Select “What We Do” for Public Affairs