

**TRANSMITTAL OF MEETING HANDOUT MATERIALS FOR  
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*This form is to be filled out (typed or hand-printed) by the person who announced the meeting (i.e., the person who issued the meeting notice). The completed form, and the attached copy of meeting handout materials, will be sent to the Document Control Desk on the same day of the meeting; under no circumstances will this be done later than the working day after the meeting.  
**Do not include proprietary materials.***

DATE OF MEETING

**03/26/2003**

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)	<b>50-293</b>
Plant/Facility Name	<b>Pilgrim Nuclear Power Station</b>
TAC Number(s) (if available)	
Reference Meeting Notice	<b>03-003</b>
Purpose of Meeting (copy from meeting notice)	<b>The NRC staff and Entergy management will discuss the results of NRC's assessment of the safety performance at the Pilgrim station for 2002.</b>

NAME OF PERSON WHO ISSUED MEETING NOTICE

**Cliff Anderson**

TITLE

**Branch Chief**

OFFICE

**Region I**

DIVISION

**Division of Reactor Projects**

BRANCH

**5**

Distribution of this form and attachments:

Docket File/Central File  
**PUBLIC**

# Annual Assessment Meeting

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Reactor Oversight Program - CY 2002



Nuclear Regulatory Commission - Region I  
King of Prussia, PA

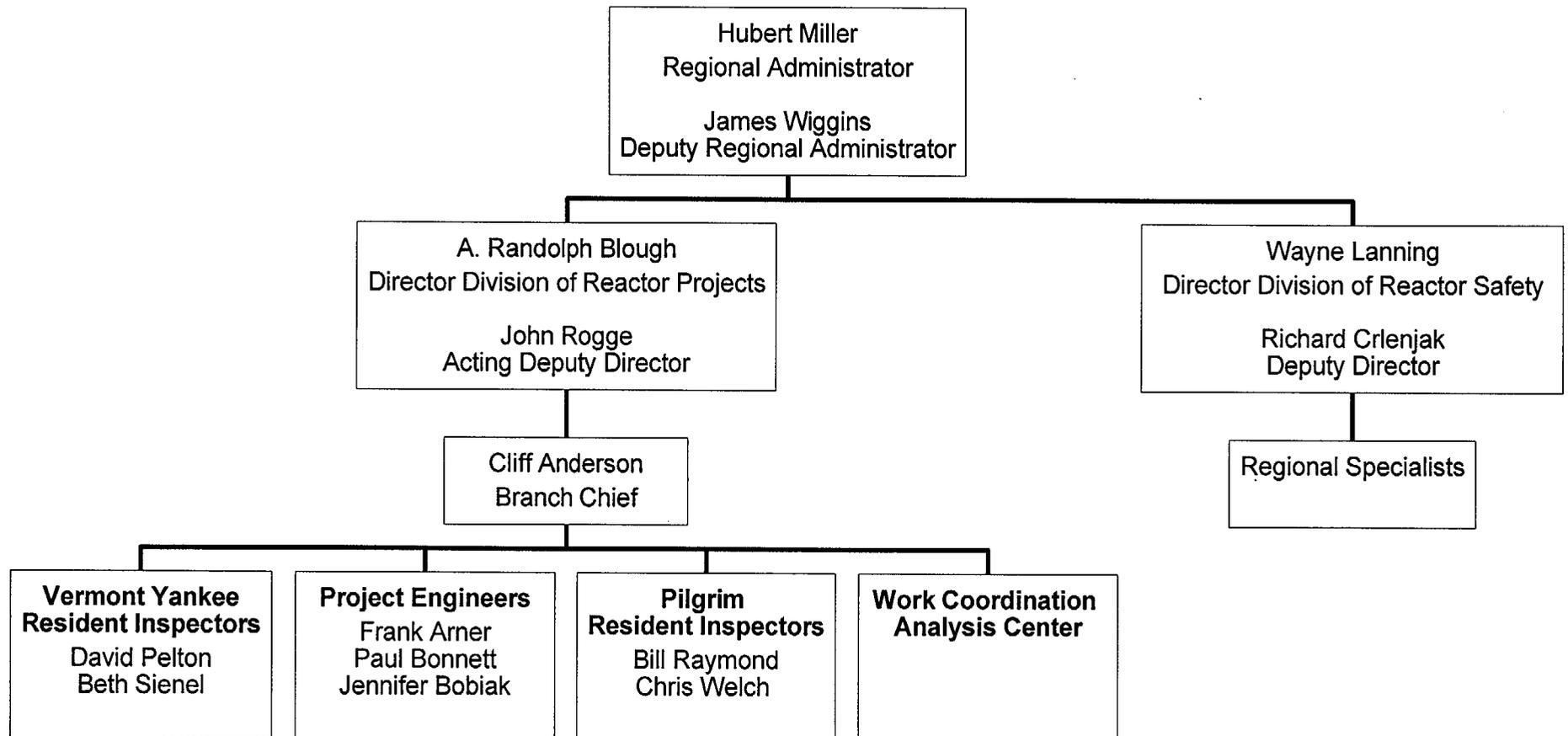
# Agenda

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- Introduction
- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Plant Performance Results
- General Topics: Security Update and Self-Improvement Efforts
- Licensee Response and Remarks
- NRC Closing Remarks
- Break
- NRC available to address questions from the public

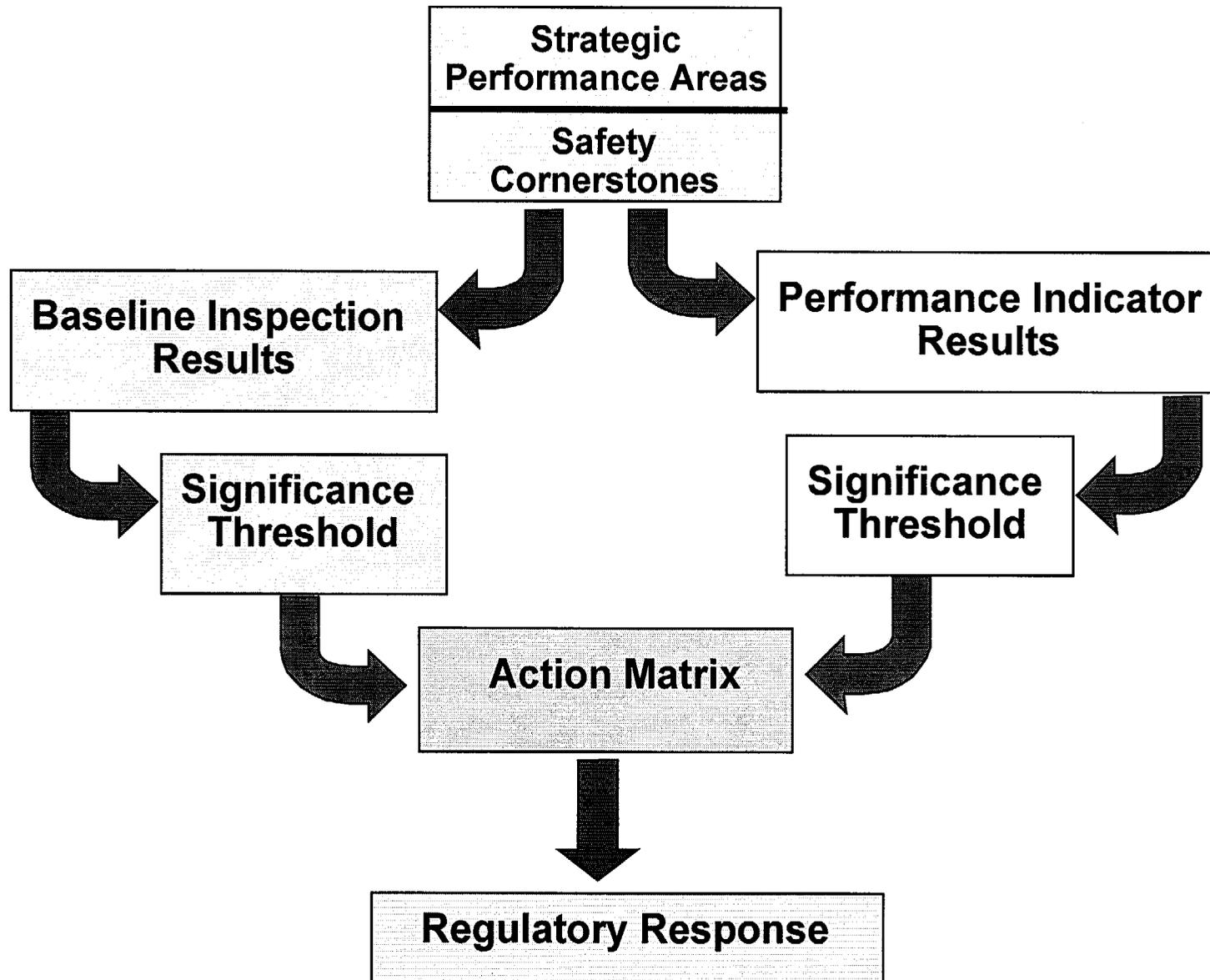
# Region I Organization

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# 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 2002

Licensee Response	75
Regulatory Response	24
Degraded Cornerstone	2
Multiple/Repetitive Degraded Cornerstone	1
Unacceptable	0
Total Plants	102

\*Davis-Besse is in IMC 0350 process

# National Summary

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- Performance Indicator Results (at end of CY 2002)
  - ▶ **Green** 1835
  - ▶ **White** 5
  - ▶ **Yellow** 0
  - ▶ **Red** 0
  
- Total Inspection Findings (CY 2002)
  - ▶ **Green** 783
  - ▶ **White** 30
  - ▶ **Yellow** 1
  - ▶ **Red** 2

# Pilgrim Assessment Results

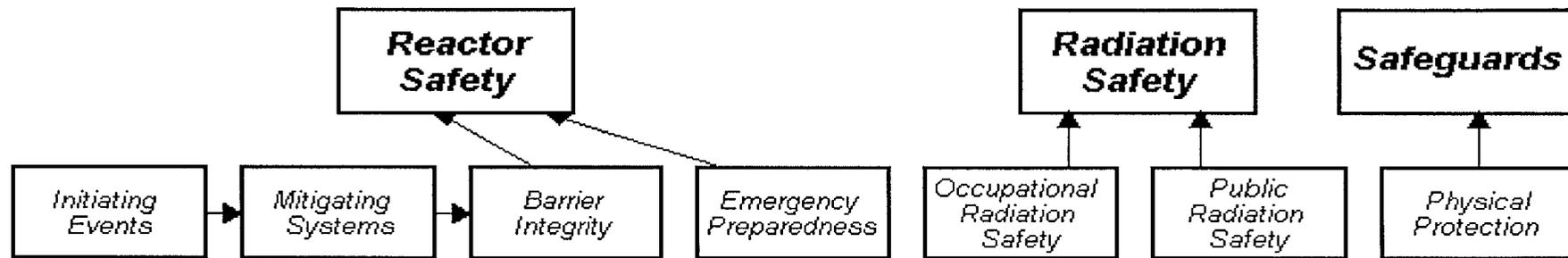
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(Jan 1 - Dec 31, 2002)

- Operated safely
- Licensee Response column of the Action Matrix for all four quarters of 2002 (cornerstone objectives fully met)
- NRC will conduct baseline inspections during the next cycle

# Pilgrim - Performance Indicators

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

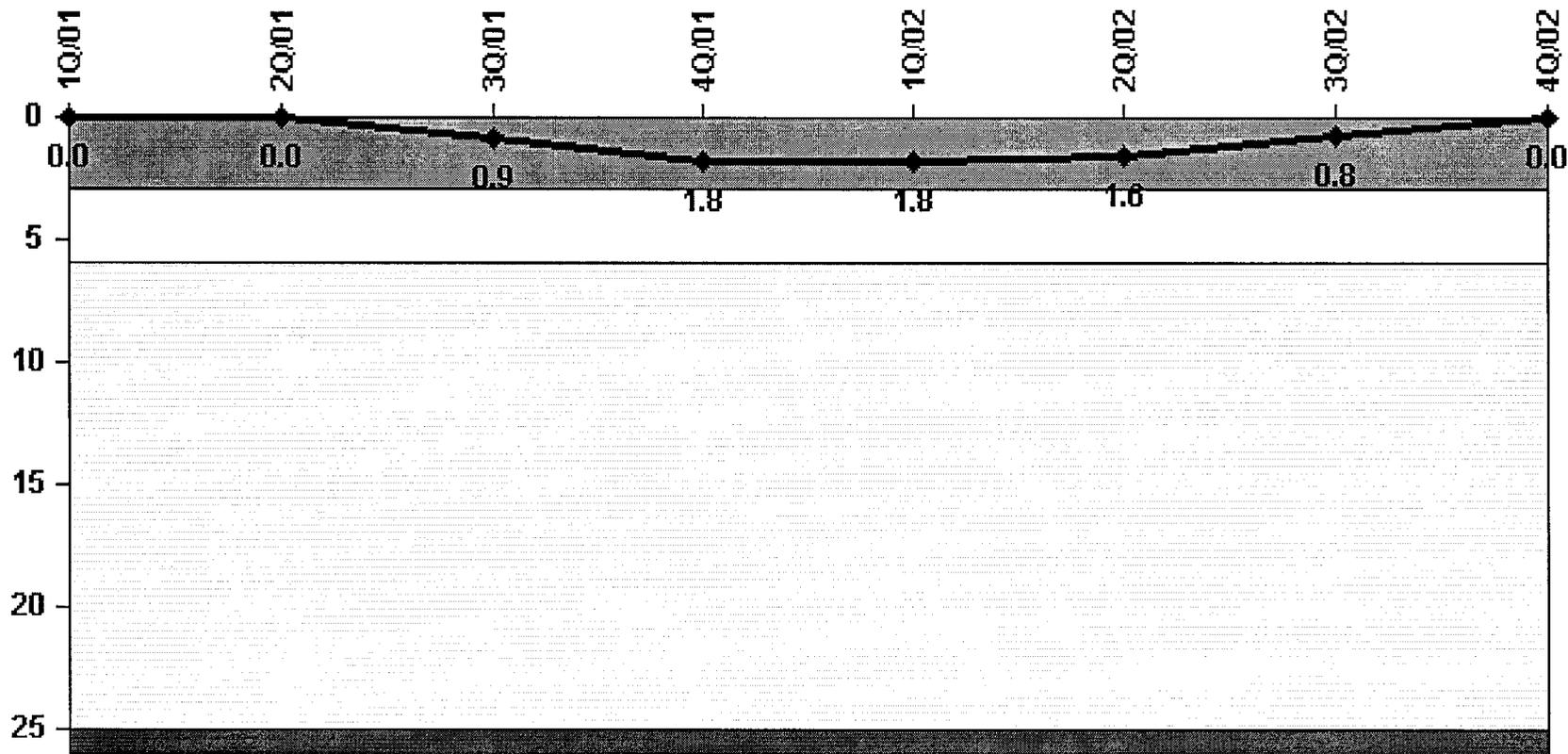


## Performance Indicators

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)	Protected Area Equipment (G)
Scrams With Loss of Normal Heat Removal (G)	High Pressure Injection System Unavailability (G)	Reactor Coolant System Leakage (G)	ERD Drill Participation (G)			Personnel Screening Program (G)
Unplanned Power Changes (G)	Heat Removal System Unavailability (G)		Alert and Notification System (G)			FFD/Personnel Reliability Program (G)
	Residual Heat Removal System Unavailability (G)					
	Safety System Functional Failures (G)					

# Performance Indicator

## Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

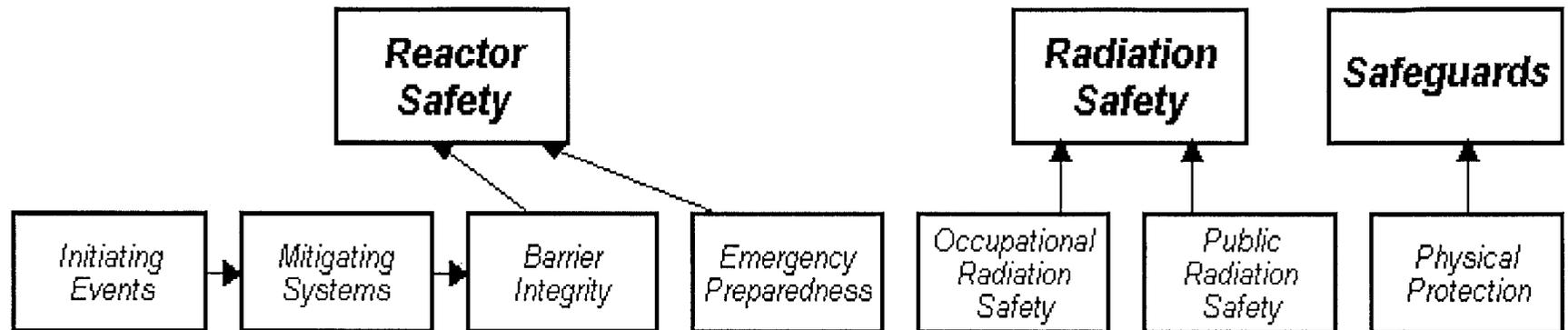
# Pilgrim Inspection Activities

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(Jan 1 - Dec 31, 2002)

- 4613 hours of inspection related activities
- 2 resident inspectors assigned to the site / new senior resident inspector during 3rd quarter 2002; new resident inspector during 4th quarter 2002.
- 15 regional inspector visits
  - ▶ Included 2 team inspections
- Inspection Findings
  - ▶ 3 findings of very low safety significance (**Green**)

# Pilgrim - Inspection Results



## Most Significant Inspection Findings

	Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Occupational Radiation Safety	Public Radiation Safety	Physical Protection
4Q/2002	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/2002	No findings this quarter	No findings this quarter	No findings this quarter				
2Q/2002	No findings this quarter	No findings this quarter	No findings this quarter				
1Q/2002	No findings this quarter	<b>G</b>	No findings this quarter	No findings this quarter	Findings without color designation	No findings this quarter	No findings this quarter

# NRC Security Program Update

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- NRC has issued Orders (February 2002):
  - ▶ Increased Patrols
  - ▶ Augmented Security Capabilities
  - ▶ Added Barriers and Posts
  - ▶ Enhanced Personnel Screening for Access
  - ▶ Enhanced Security Awareness
- Office of Nuclear Security and Incident Response Formed (April 2002)
- Threat Advisory and Protective Measure System (August 2002):
  - ▶ NRC established five level threat advisory and protective measure system based on Homeland Security Advisory System

# **NRC Security Program Update** (continued)

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- Access Authorization Order (January 7, 2003)
- Force-on-Force Exercises (February 2003)
- Training Order (TBD)
- Fatigue Order (TBD)
- Design Basis Threat (TBD)

# **NRC Self-Improvement Efforts**

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- Security Enhancements
- Significance Determination Process Task Group
- Performance Indicator Program
- Davis-Besse Lessons Learned Task Force

# NRC Representatives

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- Cliff Anderson, Branch Chief
  - (610) 337-5227
- Travis Tate, Project Manager, NRR
  - (301) 415-8474
- Bill Raymond, Senior Resident Inspector
  - (508) 747-0565
- Chris Welch, Resident Inspector
  - (508) 747-0565

# 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)



# NRC PUBLIC MEETING FEEDBACK

Category  
**1**

Meeting Date: 03/26/2003 Meeting Title: Pilgrim Annual Assessment Meeting

In order to better serve the public, we need to hear from the meeting participants. Please take a few minutes to fill out this feedback form and return it to NRC.

1. How did you hear about this meeting?

- NRC Web Page
- NRC Mailing List
- Newspaper
- Radio/TV
- Other \_\_\_\_\_

	<u>Yes</u>	<u>No</u> <small>(Please explain below)</small>	<u>Somewhat</u>
2. Were you able to find supporting information prior to the meeting?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Did the meeting achieve its stated purpose?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Has this meeting helped you with your understanding of the topic?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Were the meeting starting time, duration, and location reasonably convenient?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Were you given sufficient opportunity to ask questions or express your views?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Are you satisfied overall with the NRC staff who participated in the meeting?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**COMMENTS OR SUGGESTIONS:**

Thank you for answering these questions.

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*Continue Comments on the reverse.* ↔

**OPTIONAL**

Name \_\_\_\_\_ Organization \_\_\_\_\_

Telephone No. \_\_\_\_\_ E-Mail \_\_\_\_\_  Check here if you would like a member of NRC staff to contact you.

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Expires: 06/30/2003

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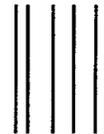
**Please fold on the dotted lines with Business Reply side out, tape the bottom, and mail back to the NRC.**

**COMMENTS OR SUGGESTIONS: (Continued)**

Empty lined area for comments or suggestions.

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