



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

April 16, 2009

LICENSEE: ENTERGY NUCLEAR OPERATIONS, INC.

FACILITY: PILGRIM NUCLEAR POWER STATION

SUBJECT: SUMMARY OF MARCH 26, 2009 ANNUAL ASSESSMENT MEETING WITH
ENTERGY NUCLEAR OPERATIONS, INC.

On March 26, from 6:00 pm to 10:30 pm, an Annual Assessment Meeting was conducted at the Hilton Garden Inn in Plymouth, Massachusetts, between the Nuclear Regulatory Commission (NRC) and Entergy Nuclear Operations, Inc. (Entergy). The NRC requested the meeting with Entergy management to discuss the NRC's assessment of the safety performance of Pilgrim Nuclear Power Station for the calendar year 2008.

The NRC presented and discussed its assessment of the safety performance of Pilgrim for the period between January 1 through December 31, 2008. The NRC presentation included information on the Reactor Oversight Process (ROP), summary of national performance assessment results, and the results of NRC's performance assessment for Pilgrim. As part of this regulatory performance meeting, Entergy presented its perspective regarding the plant's performance and operational goals for 2009.

The public was invited to observe this meeting. Prior to the meeting the public was invited to speak one on one with the resident inspectors and regional staff and at the end of the meeting between the NRC and Entergy, public attendees were offered the opportunity to communicate with the NRC regarding Entergy's performance at Pilgrim and the role of the agency in ensuring safe plant operations. Questions from the public and the local media were also addressed by the NRC.

The NRC's assessment letter can be found in ADAMS with an Accession Number of ML090630507. The annual assessment meeting notice with the attached meeting agenda can be found in ADAMS package ML090630474. The NRC slides can be located in ADAMS with an Accession Number of ML090970243. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Sincerely,

/RA/

Mel Gray, Chief
Projects Branch 2
Division of Reactor Projects

Enclosures: Meeting Attendees Public Meeting Sign in Sheet
NRC Slides

**LIST OF ATTENDEES
PILGRIM NUCLEAR POWER STATION ANNUAL ASSESSMENT MEETING**

MARCH 26, 2009

<u>Name</u>	<u>Organization</u>
Mel Gray	Nuclear Regulatory Commission (NRC)
Don Jackson	Nuclear Regulatory Commission (NRC)
Max Schneider	Nuclear Regulatory Commission (NRC)
Brian Smith	Nuclear Regulatory Commission (NRC)
Andrew Rosebrook	Nuclear Regulatory Commission (NRC)
Sarah Rich	Nuclear Regulatory Commission (NRC)
Kevin Bronson	Entergy Nuclear Operations, Inc.
Bob Smith	Entergy Nuclear Operations, Inc.
Steve Bethay	Entergy Nuclear Operations, Inc.
Brian Sullivan	Entergy Nuclear Operations, Inc.
Mary Lampert	Duxbury Nuclear Advisory Committee
Rebecca Chin	Duxbury Nuclear Advisory Committee
Richard Rothstein	Plymouth Nuclear Matters Committee
Lauren Mauriello	Massachusetts Affordable Reliable Electricity Alliance (AREA)

Members of the Public on Sign-in Sheet.

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Sincerely,
/RA/
Mel Gray, Chief
Projects Branch 2
Division of Reactor Projects

Distribution
S. Collins, RA
M. Dapas, DRA
D. Lew, DRP

J. Clifford, DRP
M. Gray, DRP
B. Brickett, DRP
A. Rosebrook, DRPM.

Schneider, DRP, SRI
B. Smith, DRP, RI
A. Ford, DRP, OA

SUNSI Review Complete: bb (Reviewer's Initials)

DOCUMENT NAME: G:\DRP\BRANCH2\Meetings\2009 Annual Assessment Meetings\Pilgrim\Pilgrim 2008 Annual Assessment Meeting Summary.doc

After declaring this document "An Official Agency Record" it **will** be released to the Public.

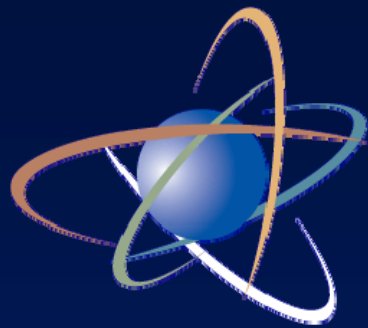
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To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	R1/DRP		R1/DRP	
NAME	ARosebrook/AAR*		MGray/mxg*	
DATE	04/07/09		04/16/09	

*See prior concurrence

OFFICIAL RECORD COPY



U.S.NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

PILGRIM

Annual Assessment Meeting

2008 Reactor Oversight Process

Nuclear Regulatory Commission – Region I



Purpose of Today's Meeting

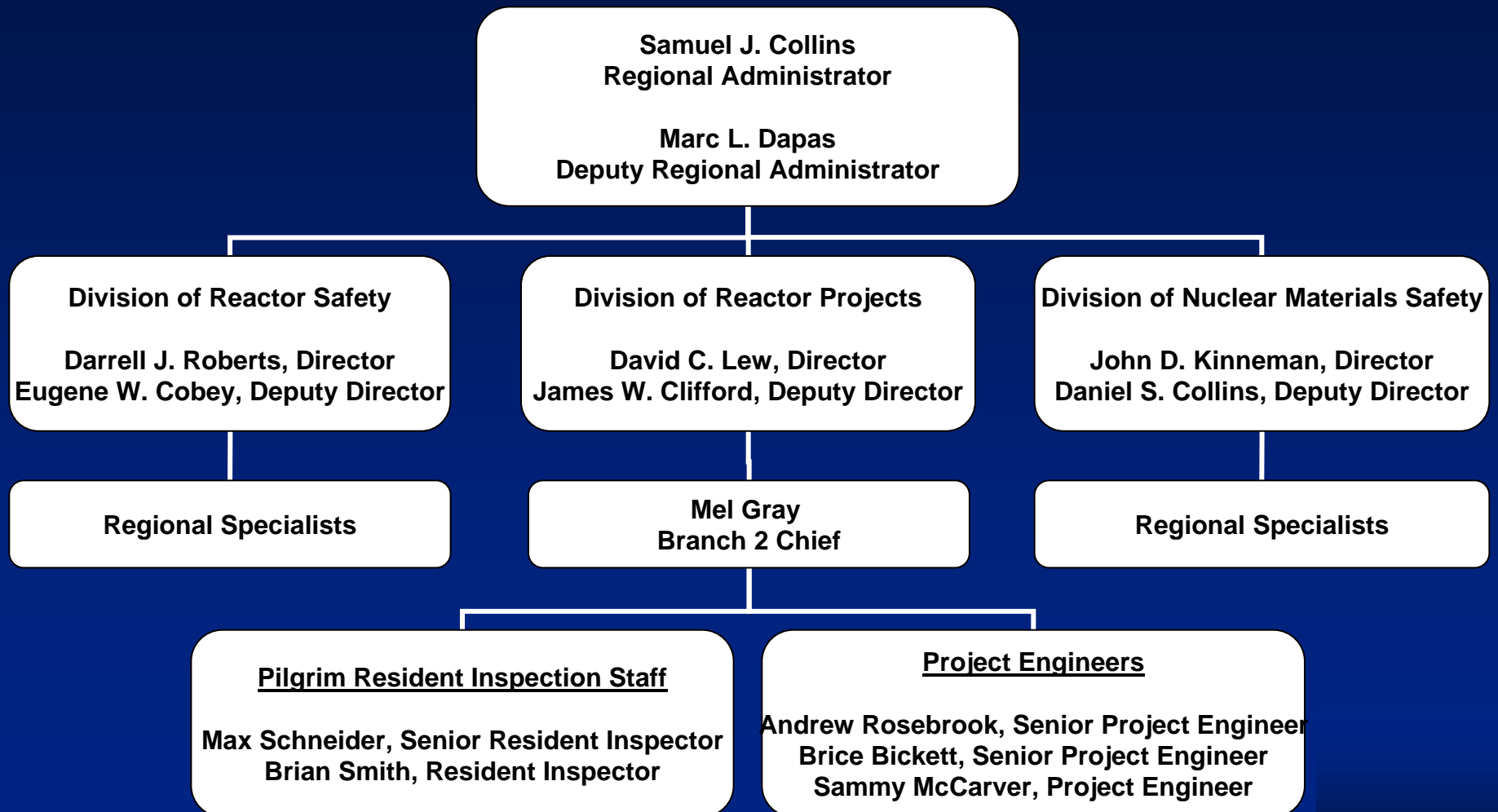
- **Discuss the Pilgrim Nuclear Power Station's safety performance for 2008**
- **Provide Entergy the opportunity to respond to the NRC's annual performance assessment and to discuss their actions to maintain or improve performance**
- **Provide stakeholders the opportunity to address questions to the NRC staff regarding Pilgrim plant performance and our role in ensuring safe plant operations**



Agenda

- Introduction
- NRC Organization and Performance Goals
- Reactor Oversight Process (ROP)
- National Summary of Plant Performance
- NRC Assessment of Pilgrim's Performance
- Entergy's Response and Remarks
- NRC Closing Remarks
- Break
- NRC available to address public questions

Region I Organization



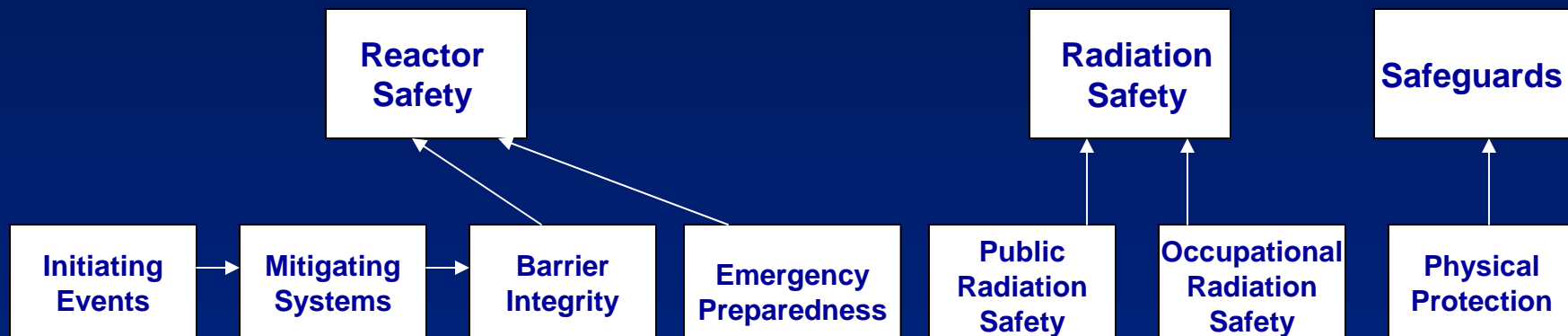


NRC Strategic Plan Goals

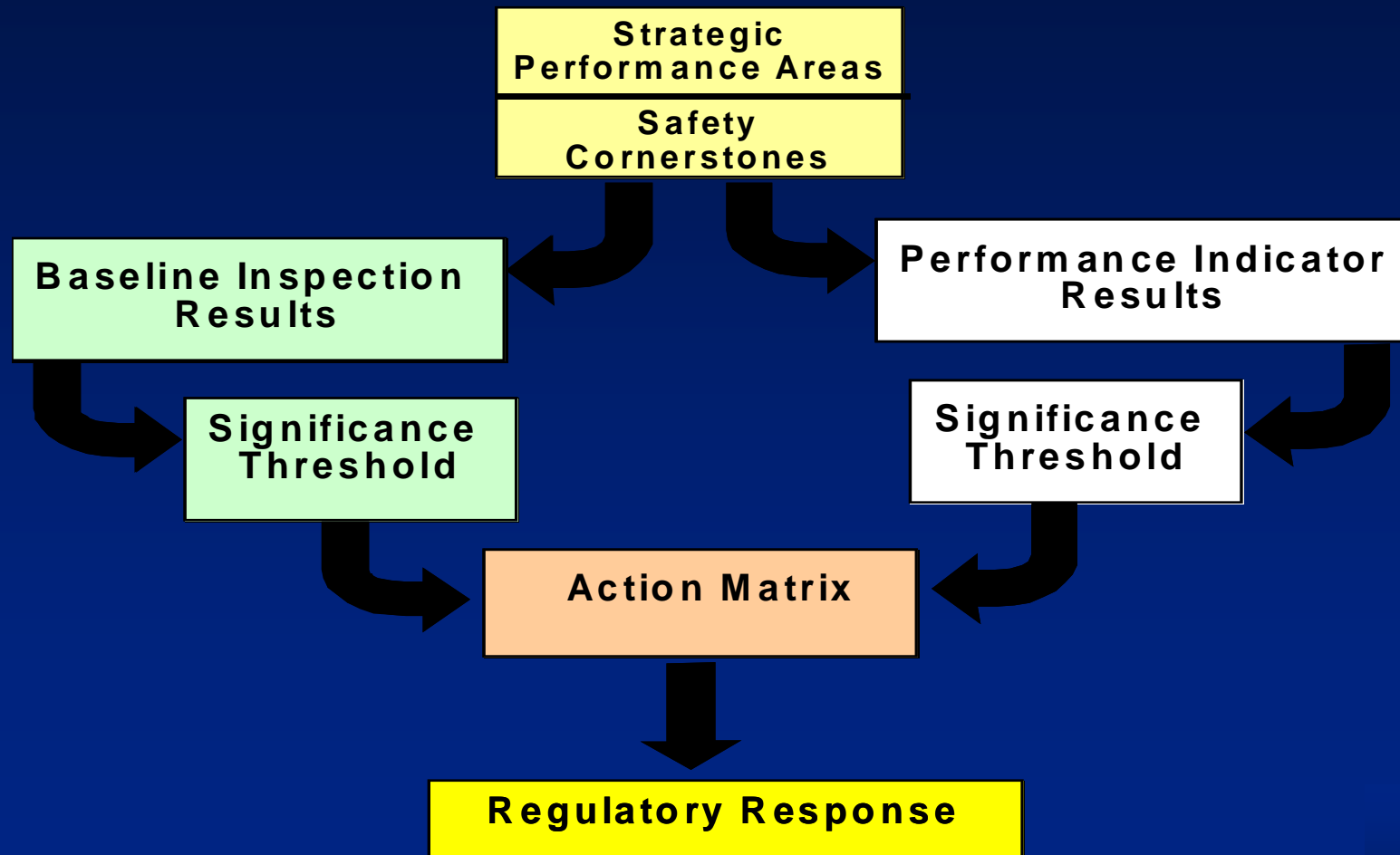
- **Safety**: Ensure adequate protection of public health and safety and the environment
- **Security**: Ensure adequate protection in the secure use and management of radioactive materials

Reactor Oversight Process

3 Strategic Areas & 7 Cornerstones



Reactor Oversight Process





Examples of Baseline Inspection Areas

- Maintenance
- Operator Training
- Emergency Preparedness
- Engineering
- Corrective Action Program
- Security Program
- Radiation Protection

Performance Indicators

Unplanned Scrams (G)	Emergency AC Power System (G)	RCS Specific Activity (G)	Drill/Exercise Performance (G)	Occupational Exposure Control Effectiveness (G)	RETS/ODCM Radiological Effluent (G)	Security (Not Public)
Unplanned Scrams with Complications (G)	High Pressure Injection System (G)	RCS Leakage (G)	ERO Drill Participation (G)			
Unplanned Power Changes (G)	Residual Heat Removal System (G)		Alert and Notification System (G)			
	Heat Removal System (G)					
	Cooling Water Systems (G)					
	Safety System Functional Failures (G)					

Significance Threshold

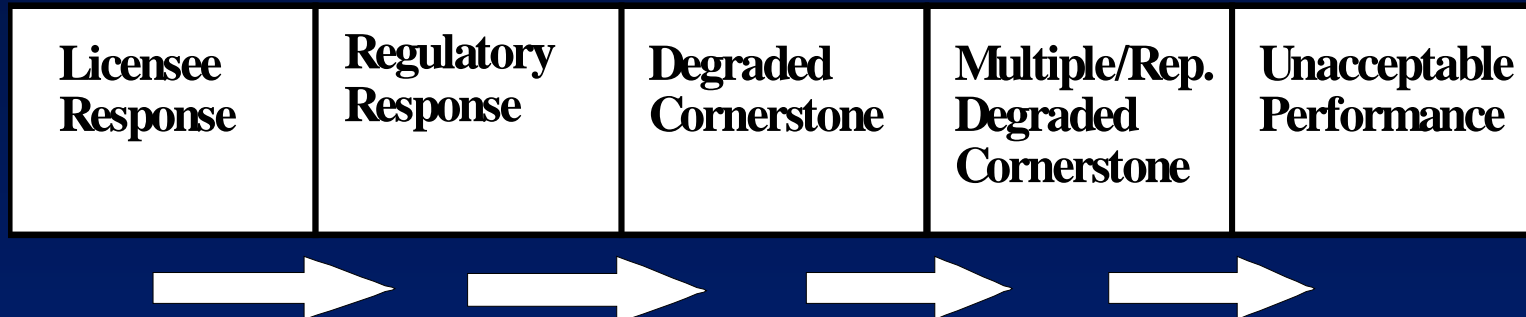
Performance Indicators

- **Green** Baseline Inspection
- **White** Requires NRC oversight
- **Yellow** Requires more NRC oversight
- **Red** Requires most 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



- Increasing Safety Significance
- Increasing NRC Inspection Efforts
- Increasing NRC/Licensee Management Involvement
- Increasing Regulatory Actions



National Summary of Plant Performance **(at end of 2008)**

Licensee Response	86
Regulatory Response	14
Degraded Cornerstone	3
Multiple/Repetitive Degraded Cornerstone	1
Unacceptable	0
<hr/>	
Total	104



National Summary of Plant Performance (at end of 2008)

Performance Indicator Results

➤ Green	1762
➤ White	6
➤ Yellow	0
➤ Red	0

Total Inspection Findings

➤ Green	776
➤ White	17
➤ Yellow	0
➤ Red	0



NRC Inspection Activities at Pilgrim (for 2008)

- **Over 5200 hours of inspection and related activities**
- **2 resident inspectors on-site**
- **23 regional inspectors**
- **4 major team inspections:**
 - Component Design Basis Inspection**
 - Emergency Preparedness Evaluated Exercise**
 - Two Physical Security Team Inspections**



NRC Annual Assessment Summary **Pilgrim**

- **Entergy operated the plant safely and in a manner that preserved public health and safety and protected the environment**
- **Pilgrim was in the Licensee Response column of the NRC's Action Matrix for the last quarter of 2008**



Pilgrim PIs / Findings **(January 1 – December 31, 2008)**

- **All Green Performance Indicators**
- **14 Green inspection findings**

NRC Inspection Findings **Pilgrim**

- **Examples of Green Findings in 2008**
 - **2 Green findings related to inadequate risk assessment for emergent maintenance on risk significant equipment.**
 - **2 Green findings related inadequate corrective actions due to an improper evaluation of a condition adverse to quality.**
 - **1 Green finding related to an improperly revised Reactor Core Isolation Cooling System procedure.**



NRC Assessment of Pilgrim

- The staff identified four inspection findings with a cross-cutting aspect of document and procedure adequacy.
- The staff determined that Entergy had recognized the cross-cutting theme and had taken or scheduled to take appropriate corrective actions.
- The NRC will monitor Entergy's progress in the area of procedure adequacy through the baseline inspection program.



NRC Annual Assessment Summary **Pilgrim**

- **Pilgrim was in the Licensee Response column of the NRC's Action Matrix for 2008.**
- **All cornerstone objectives were fully met.**
- **NRC plans baseline inspections at Pilgrim for the remainder of 2009.**



Licensee Response and Remarks

Kevin Bronson
Pilgrim Site Vice President
Entergy Nuclear Operations, LLC



Contacting the NRC

- Report a safety concern:
 - (800) 695-7403
 - Allegation@nrc.gov
- General information or questions:
 - www.nrc.gov
 - Select “News and Information” for a link to email Public Affairs



NRC Representatives

- **David C. Lew, Division Director, DRP**
 - 610-337-5229
- **James W. Clifford, Deputy Division Director, DRP**
 - 610-337-5080
- **Mel Gray, Branch Chief**
 - 610-337-5209
- **Max Schneider, Senior Resident Inspector**
 - 508-747-0565
- **Brian Smith, Resident Inspector**
 - 508-747-0565
- **Andrew Rosebrook, Senior Project Engineer**
 - 610-337-5199



Reference Sources

- 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)



End of the Presentation

Nuclear Regulatory Commission

Region I

King of Prussia, Pennsylvania

March 26, 2009



Public Meeting Sign-In Sheet

Name	Organization (if applicable)	Would you like to ask a question at the end?	
Pat Adelman	Plymouth Area League of Women Voters	YES	NO
Becky Chin	Duxbury Nuclear Adv. Comm.	YES	NO
Curtis Linnale	N/A	YES	NO
Richard Rothstein	Plymouth Nuclear Matter Committee	YES	NO
Kelly Connerston	N/A	YES	NO
Carol Wightman	Entergy	YES	NO
Ed Alusow	Home owner	YES	NO
Francis X. DeNicola	MANA	YES	NO
Kathryn Koch	Ad Colony Memorial	YES	NO
Rick Pearson	LU # 6	YES	NO
Cal Wilson	Homeowner	YES	NO
Kyle Gatslick	Student	YES	NO
Mary Lampert	Pilgrim Watch	YES	NO
Lauren Mauriello	Dux Nuclear Safety	YES	NO
Wedge Bramhall	Mass AREA	YES	NO
		YES	NO
		YES	NO
		YES	NO
		YES	NO
Reg Enid 1.23	Upgrade Straight Line	YES	NO
	Mode Acknowledge Reg. bld.	YES	NO
	& Not Enforce the	YES	NO
	Guidance. Start Funded	YES	NO
	[YES	NO

Resolution From Town
of Duxbury