



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, IL 60532-4352

April 30, 2014

LICENSEE: NextEra Energy Duane Arnold, LLC

FACILITY: Duane Arnold Energy Center

SUBJECT: SUMMARY OF THE APRIL 15, 2014, DUANE ARNOLD PUBLIC MEETING
TO DISCUSS THE 2013 ANNUAL ASSESSMENT RESULTS

On April 15, 2014, the U.S. Nuclear Regulatory Commission (NRC) held a public meeting at the Hiawatha Community Center in Hiawatha, Iowa, to discuss the 2013 annual assessment results for the Duane Arnold Energy Center. Enclosed is a list of attendees for the meeting, a copy of the slides used by the NRC's staff during the meeting, and a copy of the slides used by the licensee's staff.

At the meeting, the NRC provided an overview of the reactor oversight process, the results of the 2013 annual assessment for Duane Arnold, and the NRC's inspection plans for 2014. The NRC's presentation was followed by statements from the NextEra Duane Arnold Site Vice President which included site priorities, the licensee's plans for plant improvements and sustaining the improvements, as well as information on current plant status. Cynthia Pederson, the Regional Administrator for the NRC's Region III Office, acknowledged the information provided by the Duane Arnold officials and emphasized the importance of the licensee identifying the commonalities between the findings that caused Duane Arnold to enter the Degraded Cornerstone Column (Column 3) of the NRC's Action Matrix, as well as the importance of the licensee incorporating the corrective actions into their daily business.

After the business part of the meeting ended, NRC and Duane Arnold representatives listened to comments and addressed several questions from the public involving topics such as: the importance of the reactor core isolation cooling system, the corrective action program, safety culture, and the other United States nuclear power plants currently in Column 3.

/RA/

Christine Lipa, Chief
Branch 1
Division of Reactor Projects

Docket No. 50-331
License No. DPR-49

Enclosures:

1. Meeting Attendance List
2. Duane Arnold Energy Center Annual Assessment Meeting Slides (NRC)
3. NRC Public Meeting Slides (Duane Arnold)

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DOCUMENT NAME: DAEC EOC Meeting Summary

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DUANE ARNOLD 2013 PERFORMANCE ASSESSMENT MEETING

April 15, 2014

MEETING ATTENDANCE LIST

NRC Attendees

Cynthia Pederson, Regional Administrator
Anne Boland, Director, Division of Reactor Projects
Christine Lipa, Chief, Branch 1, Division of Reactor Projects
Lucas Haeg, Duane Arnold Senior Resident Inspector
Mahesh Chawla, Project Manager, Office of Nuclear Reactor Regulation
Viktoria Mitlyng, Public Affairs Officer
Tina Ehrig, Resident Inspector Office Assistant

NextEra Energy Company Attendees

Rich Anderson, Duane Arnold Energy Center (DAEC) Site Vice President
Renee Nelson, DAEC Communications Manager
Dave Bedel, DAEC Work Management
Brian Lawrence, DAEC Systems Engineering Supervisor
Mike Davis, DAEC Licensing and Emergency Preparedness Manager
Ken Kleinheinz, DAEC Engineering Director
Todd Anderson, DAEC Mechanical Maintenance
Ray Wheaton, DAEC Operations Director
Wayne Bentley, DAEC Maintenance Director
Glen Pry, DAEC Plant Manager
Heather Maloney, DAEC Human Resources Manager
Brian Seemann, DAEC Training Supervisor
Jamey Parker, DAEC Safety Manager
Bob Porter, DAEC Radiation Protection Manager
Matt Blanchard, DAEC Engineering
Melissa Fiacco, DAEC Human Resources
Steve Inghram, DAEC Engineering
John MacIntyre, DAEC Outage

Members of the Public

Joan Kleinheinz
Wally Taylor
Pam Mackey Taylor

Memorandum from Christine Lipa dated April 30, 2014

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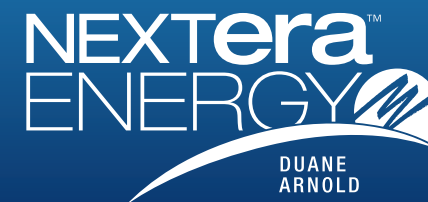
Joseph Nick
RidsNrrDorLpl3-1 Resource
RidsNrrPMDuaneArnold Resource
RidsNrrDirslrib Resource
Cynthia Pederson
Darrell Roberts
Steven Orth
Allan Barker
Carole Ariano
Linda Linn
DRPIII
DRSIII
Patricia Buckley
Carmen Olteanu
Ruth Thomas
ROPassessment.Resource@nrc.gov



NRC Public Meeting

NextEra Energy Duane Arnold

April 15, 2014



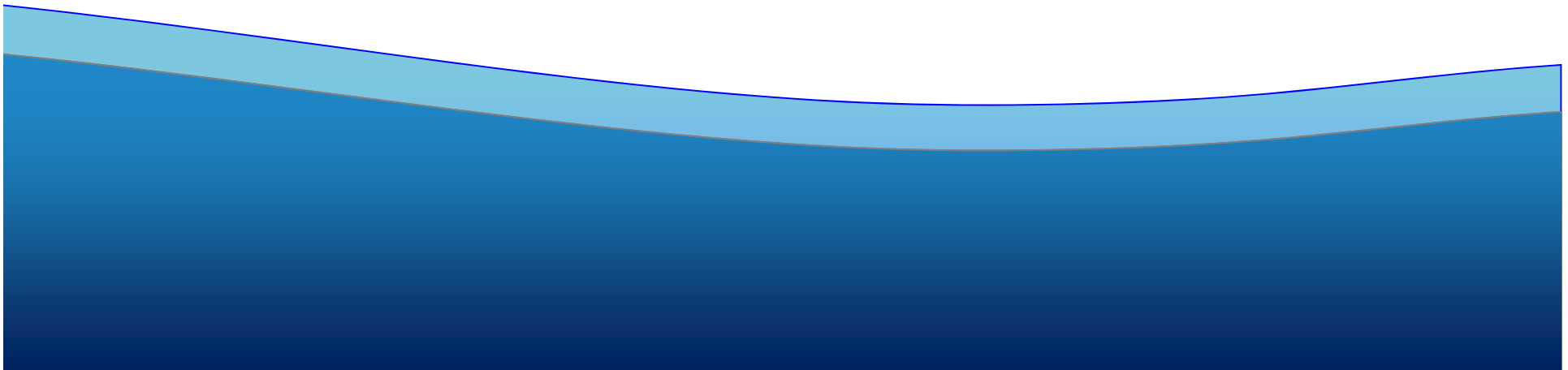
DAEC Representatives

Rich Anderson, Site Vice President

Glen Pry, Plant General Manager

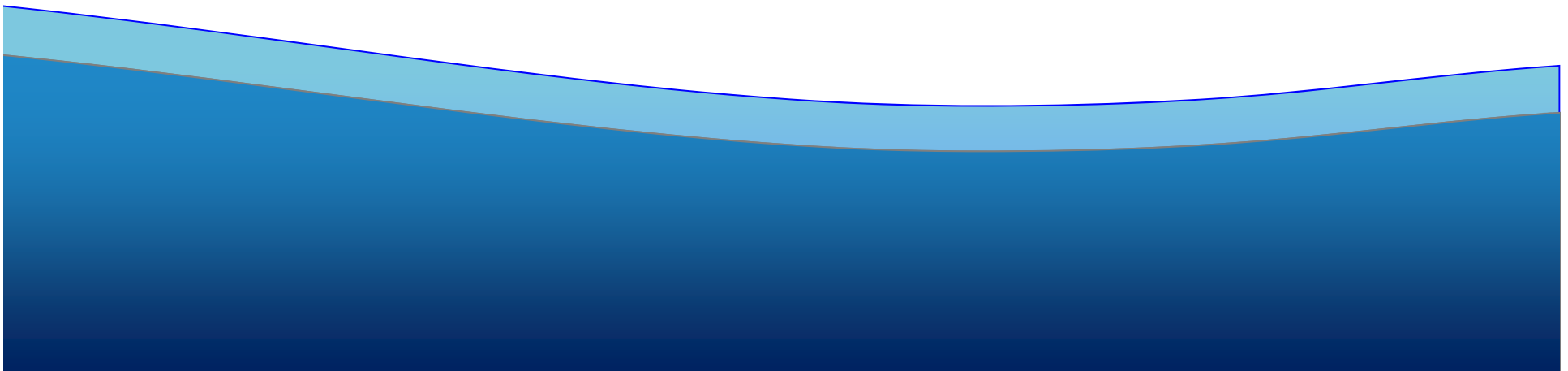
Ken Kleinheinz, Engineering Director

Mike Davis, Manager of Licensing and Emergency Planning

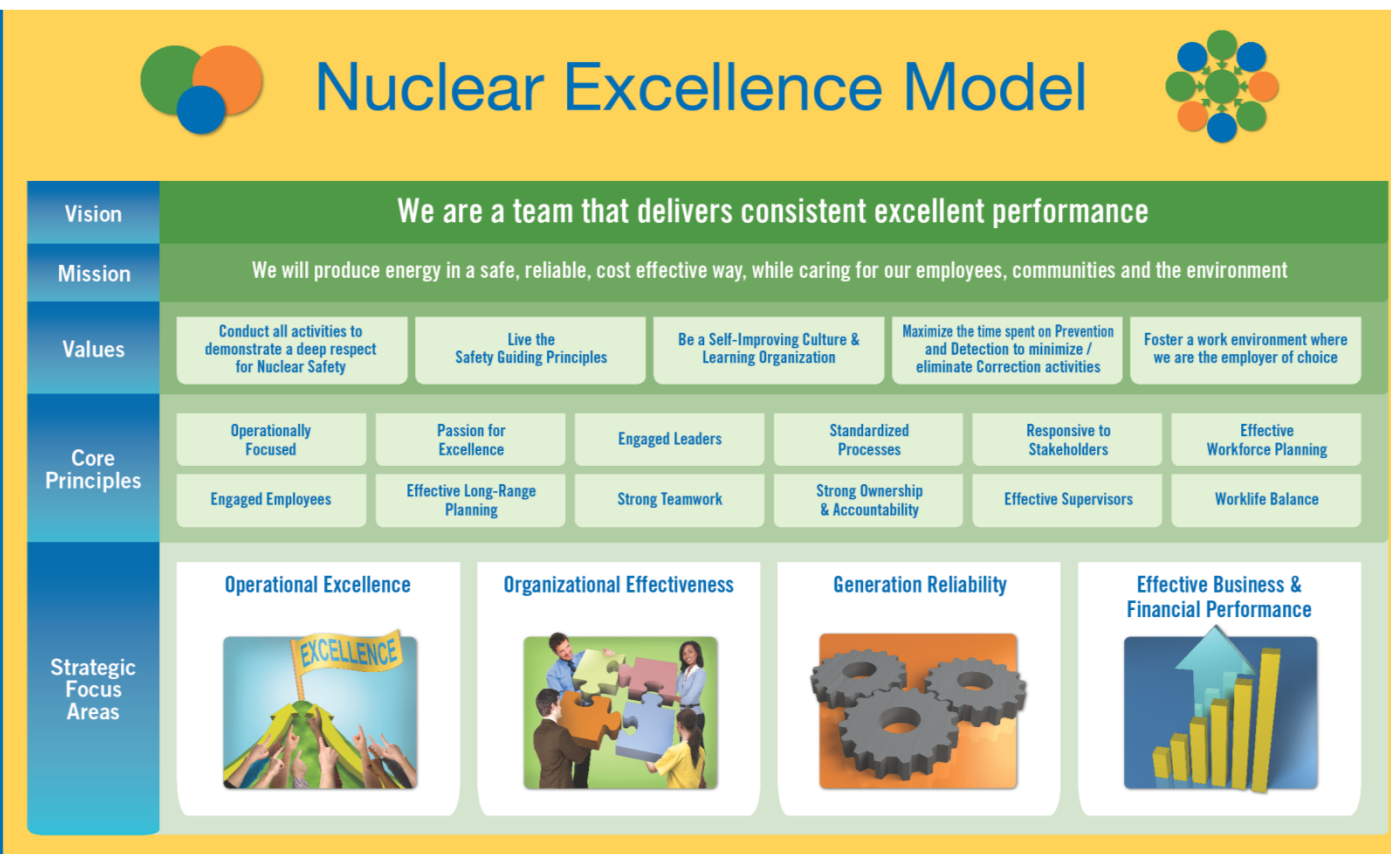


Agenda

- DAEC values and priorities
- Continued focus on the long-term safe and reliable operation of the facility
- Internalized feedback from NRC-issued white findings
- Overview of station improvements
- Closing remarks

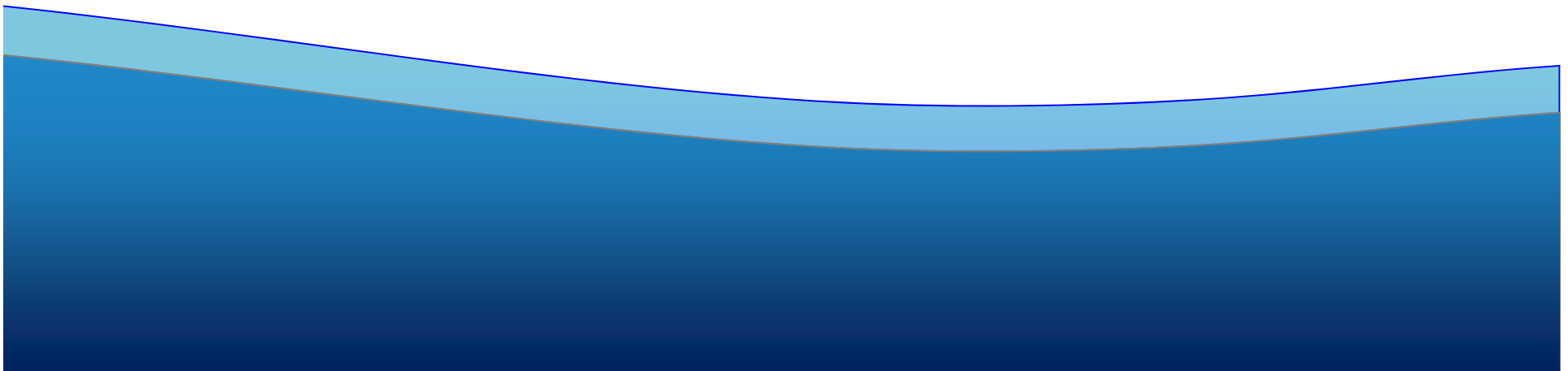


Values and Priorities



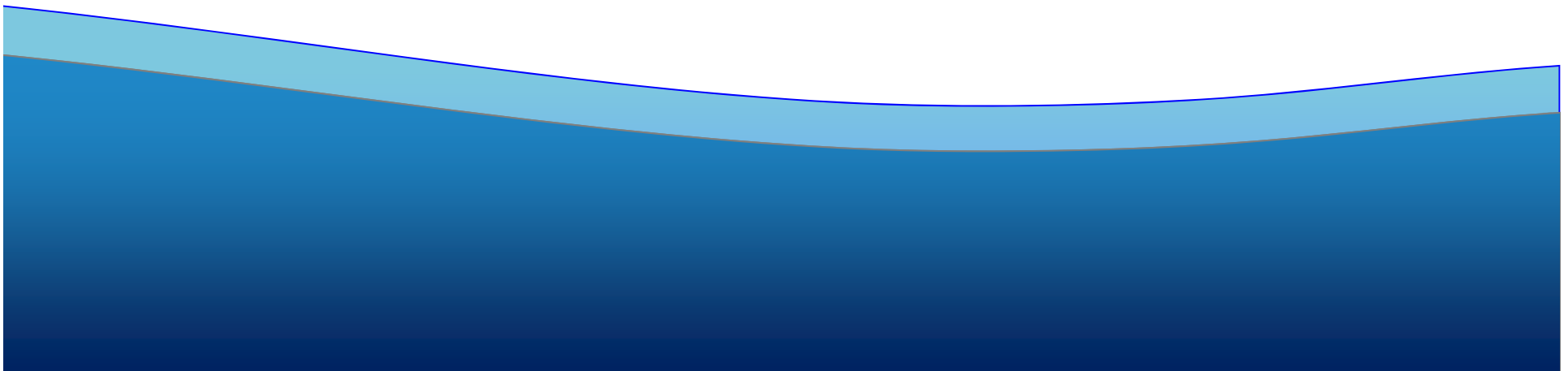
Our Values

- Conduct All Activities to Demonstrate a Deep Respect for Nuclear Safety
- Be a Self-Improving Culture and a Learning Organization



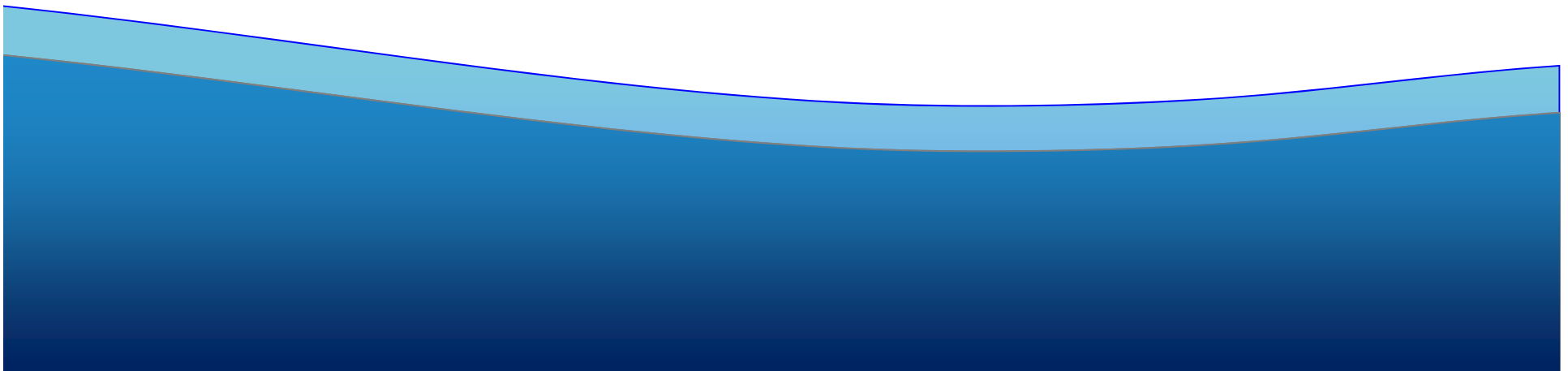
Learning and Improving

- Plant improvements are driven by the corrective action process:
 - Making conservative decisions
 - Ensuring levels of safety by challenging potential vulnerabilities
 - Learning from other plants' experiences



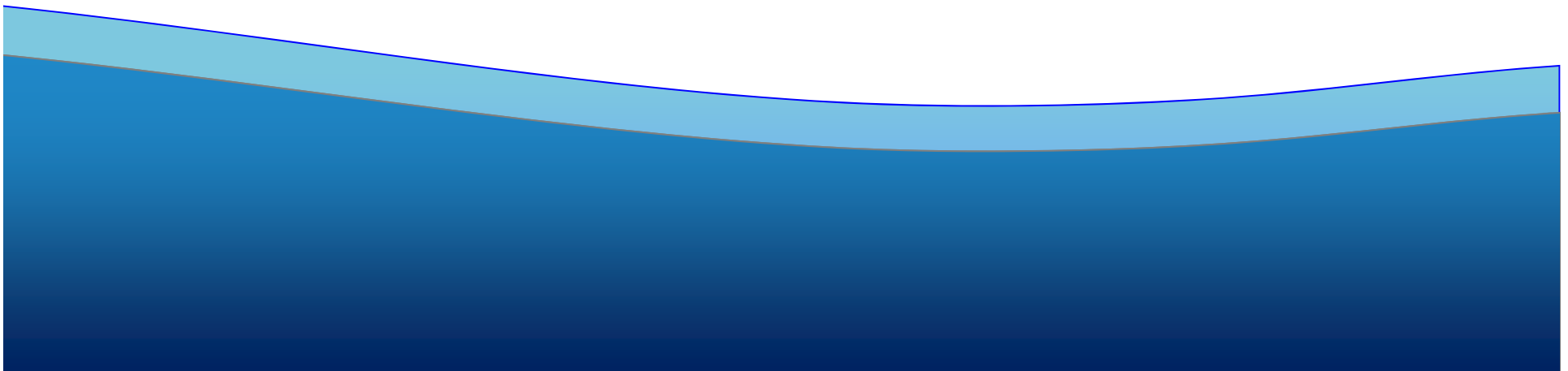
Sustaining the Change

- DAEC conducts independent reviews, as well as ongoing checks
- Actions are integrated into our core business
- NRC will review our actions to ensure they are sustainable



Long-Term Safe and Reliable Plant Operation

- Strong focus on equipment reliability and system health has resulted in nearly 500 consecutive days of safe, reliable plant operations
- Improved trend in safety and human performance
- A strong nuclear safety culture remains a top priority for DAEC leadership



Duane Arnold Energy Center Annual Assessment Meeting

Reactor Oversight Process – CY 2013

**Nuclear Regulatory Commission – Region III
Hiawatha, Iowa
April 15, 2014**



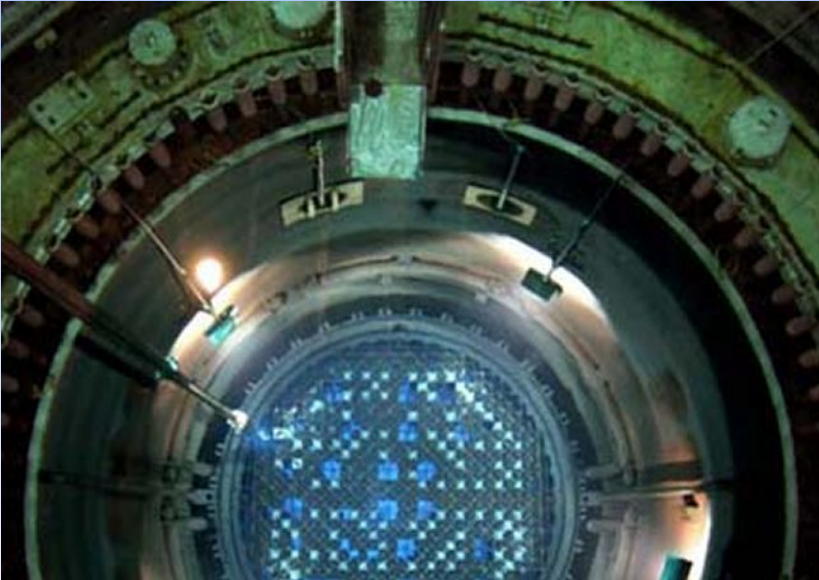
Opening Remarks

**Cynthia Pederson
Regional Administrator
NRC Region III**



Our Mission

- To license and regulate the nation's civilian use of byproduct, source, and special nuclear materials to ensure adequate protection of public health and safety, promote the common defense and security, and protect the environment





Agenda

- **Introduction**
- **National Nuclear Plant Performance Summary**
- **Duane Arnold Energy Center Plant Performance Results**
- **NextEra Response and Remarks**
- **NRC Closing Remarks**
- **Break**
- **NRC Available for Public Questions**



National Plant Performance Summary

Status as of 12/31/2013

Licensee Response	Column 1	80
Regulatory Response	Column 2	9
Degraded Cornerstone	Column 3	9
Multiple/Repetitive		
Deg. Cornerstone	Column 4	1
Unacceptable	Column 5	0
IMC 0350 Oversight		1
Total		100



Significance Threshold

Performance Indicators

- Green:** Only Baseline Inspection
- White:** Increases NRC oversight
- Yellow:** Increases NRC oversight
- Red:** Increases NRC oversight

Inspection Findings

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



Duane Arnold Energy Center Annual Assessment Summary

January 1 - December 31, 2013

- **NextEra operated Duane Arnold Energy Center in a manner that preserved public health and safety**
- **Decline in overall performance**
- **Duane Arnold Energy Center entered Column 3 from Column 1 in the 3rd quarter of 2013**
 - **Two White findings in the Mitigating Systems Cornerstone**



Safety Significant Findings

- **Two White findings identified in the 3rd quarter**
 - **Inadequate maintenance instructions led to an oil leak in the “A” Emergency Diesel Generator Lube Oil Heat Exchanger**
 - **Failure to perform an operability determination for the unexpected Reactor Core Isolation Cooling System Speed Circuit indication**
- **A 95002 Supplemental Inspection will be performed to evaluate licensee’s responses to the performance issues**



2014 Supplemental Inspection

- **The objectives of the 95002 inspection are to provide assurance that:**
 - **the causes of the deficiencies are understood**
 - **the extent of the issues have been identified**
 - **corrective actions will prevent reoccurrence**
 - **safety culture has been evaluated**



Other NRC Actions in 2014

- **Routine, Baseline Inspections**
 - Component Design Basis Inspection
 - Licensed Operator Requalification Program Inspection
 - Refueling Outage Inspection Activities
- **Post-Fukushima Activities**
- **Participated in an Emergency Preparedness Exercise with Duane Arnold in April (just concluded)**



Licensee Response and Remarks

**Richard Anderson
Vice President
NextEra Energy Duane Arnold**



Closing Remarks

**Cynthia Pederson
Regional Administrator
NRC Region III**



Questions/Comments





Contacting the NRC

- **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**
 - **Select “What We Do” for Public Affairs**



NRC Representatives

- **Viktoria Mitlyng, Senior Public Affairs Officer
(630) 829-9662**
- **Prema Chandrathil, Public Affairs Officer
(630) 829-9663**
- **Lucas Haeg, Senior Resident Inspector**
- **Jakob Steffes, Resident Inspector**



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>
- NRC Information Digest
 - <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1350>
- Public Document Room
 - 1-800-397-4209 (Toll Free)



NRC Social Media Channels



- **Blog:** <http://public-blog.nrc-gateway.gov/>
- **Flickr:** <http://www.flickr.com/photos/nrcgov/>
- **Twitter:** <http://twitter.com/#!/nrcgov>
- **YouTube:** <http://www.youtube.com/user/NRCgov>
- **RSS:** <http://www.nrc.gov/public-involve/listserver.html#rss>