

Duane Arnold Energy Center Annual Assessment Meeting

Reactor Oversight Process – CY 2014

**Nuclear Regulatory Commission – Region III
Hiawatha, Iowa
April 16, 2015**



Welcoming Remarks and Introductions

**Greg Roach
Acting Branch Chief, Division of
Reactor Projects
U.S. NRC Region III**



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**



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



National Plant Performance Summary

Status as of 12/31/2014

Licensee Response	Column 1	80
Regulatory Response	Column 2	14
Degraded Cornerstone	Column 3	5
Multiple/Repetitive Deg. Cornerstone	Column 4	0
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, 2014

- **NextEra operated Duane Arnold Energy Center (DAEC) in a manner that preserved public health and safety**
- **All cornerstone objectives were met**
- **Overall performance has improved**
- **A substantive cross-cutting issue on consistent process was identified**



Assessment Background

- **DAEC was in the Degraded Cornerstone Column on January 1, 2014 due to two White findings identified in 2013.**
 - **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**



Assessment Background

- **A 95002 Supplemental Inspection was successfully completed in July 2014**
- **DAEC returned to the Licensee Response Column on August 29, 2014**
- **Torus coating delamination issue is being evaluated by the NRC staff.**



Other NRC Actions in 2015

- **Routine, Baseline Inspections**
 - Triennial Fire Protection Program Inspection
 - Biennial Problem Identification and Resolution Inspection
 - Initial Licensed Operators Examination
 - Triennial Heat Sink Inspection
- **Post-Fukushima Activities**
- **Substantive Cross-Cutting Issue Assessment**



Licensee Response and Remarks

**Thomas Vehec
Vice President
NextEra Energy Duane Arnold**



Closing Remarks

**Patrick Loudon
Acting Deputy 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 Office**
– (630) 829-9662
- **Prema Chandrathil, Public Affairs Officer**
– (630) 829-9663
- **Lucas Haeg, Senior Resident Inspector**
- **Jakob Steffes, Resident Inspector**



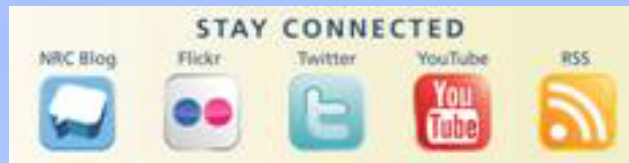
Reference Sources

- 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>