



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION II  
245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

May 13, 2013

Mr. Terry D. Hobbs  
Decommissioning Director  
Crystal River Nuclear Plant (NA2C)  
15760 W. Power Line Street  
Crystal River, FL 34428-6708

SUBJECT: PUBLIC MEETING SUMMARY – CATEGORY 3 – ANNUAL ASSESSMENT  
MEETING – CRYSTAL RIVER UNIT 3 NUCLEAR PLANT, DOCKET NO. 50-302

Dear Mr. Hobbs:

This refers to the meeting conducted on May 1, 2013, at the Crystal River Nuclear Plant Training Center/Emergency Operations Facility located in Crystal River, Florida. The purpose of the meeting was to discuss the NRC Reactor Oversight Process Annual Assessment of your Crystal River Unit 3 Nuclear Plant. Enclosed is a list of attendees and the Crystal River annual assessment meeting presentation.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Should you have any questions concerning this meeting, please contact me at (404) 997- 4721.

Sincerely,

**/RA/**

Daniel W. Rich, Chief  
Reactor Projects Branch 3  
Division of Reactor Projects

Docket No.: 50-302  
License No.: DPR-72

Enclosures: 1. List of Attendees  
2. NRC Presentation

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X PUBLICLY AVAILABLE      NON-PUBLICLY AVAILABLE

SENSITIVE      x NON-SENSITIVE

ADAMS: X Yes      ACCESSION NUMBER: \_\_\_\_\_

X SUNSI REVIEW COMPLETE X FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP					
SIGNATURE	MJR:/RA/	DWR:/RA/					
NAME	MRiches	DRich					
DATE	5/3/2013	5/13/2013					
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY  
MEETING SUMMARY.DOCX

DOCUMENT NAME: G:\DRPI\RPB3\CRYSTAL\MEETINGS\CR 2013 ANNUAL ASSESSMENT

T. Hobbs

2

cc w/encls:

Kelvin Henderson, General Manager  
Nuclear Fleet Operations  
Progress Energy  
Electronic Mail Distribution

Robert J. Duncan II, Vice President  
Nuclear Operations  
Progress Energy  
Electronic Mail Distribution

Brian C. McCabe  
Manager, Nuclear Oversight  
Shearon Harris Nuclear Power Plant  
Progress Energy  
Electronic Mail Distribution

Terry Hobbs, Plant General Manager  
Crystal River Nuclear Plant (NA2C)  
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Stephen J. Cahill  
Director - Engineering Nuclear  
Crystal River Nuclear Plant (NA2C)  
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R. Alexander Glenn, General Counsel  
Progress Energy  
Electronic Mail Distribution

Jeffrey R. Swartz  
Director Site Operations  
Crystal River Nuclear Plant  
Electronic Mail Distribution

Donna B. Alexander  
Manager, Nuclear Regulatory Affairs  
(interim)  
Progress Energy  
Electronic Mail Distribution

Thomas Sapporito, Consulting Associate  
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Jupiter, FL 33468

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Florida Division of Emergency Management  
Electronic Mail Distribution

William A. Passetti, Chief  
Florida Bureau of Radiation Control  
Department of Health  
Electronic Mail Distribution

Daniel R. Westcott, Supervisor  
Licensing & Regulatory Programs  
Crystal River Nuclear Plant (NA1B)  
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Joseph W. Donahue, Vice President  
Nuclear Oversight  
Progress Energy  
Electronic Mail Distribution

Jack E. Huegel  
Manager, Nuclear Oversight  
Crystal River Nuclear Plant  
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David T. Conley, Senior Counsel  
Legal Department  
Progress Energy  
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Mark Rigsby  
Manager, Support Services - Nuclear  
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Department of Legal Affairs  
The Capitol PL-01  
Tallahassee, FL 32399-1050

Chairman  
Board of County Commissioners  
Citrus County  
110 N. Apopka Avenue  
Inverness, FL 36250

T. Hobbs

3

Letter to Terry D. Hobbs from Daniel W. Rich dated May 13, 2013

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MEETING – CRYSTAL RIVER UNIT 3 NUCLEAR PLANT, DOCKET NO. 50-302

Distribution w/encls:

C. Evans, RII

L. Douglas, RII

OE Mail

RIDSNNRRDIRS

PUBLIC

RidsNrrPMCrystalRiver Resource

## **LIST OF ATTENDEES**

### **Nuclear Regulatory Commission (NRC)**

D. Rich, Chief, Reactor Projects Branch 3 (RPB3), Region II (RII)  
T. Morrissey, Senior Resident Inspector, St. Lucie, RII  
S. Vias, Chief, Engineering Branch 3 (EB3), RII  
M. Ferdas, Chief, Decommissioning Branch, Division of Nuclear Material Safety Management and Support (NMSS), Region I  
Bruce Watson, Chief, Reactor Decommissioning Branch, Office of Federal and State Materials and Environmental Management Programs (FSME)  
J. Hickman, Reactor Decommissioning Branch, FSME

### **Duke Energy**

T. Hobbs, Decommissioning Director - Crystal River 3 Nuclear Plant  
B. Wunderly, Plant Manager - Crystal River 3 Nuclear Plant  
P. Dixon, Decommissioning Support Manager - Crystal River 3 Nuclear Plant  
K. Meyers, Emergency Planning - Crystal River 3 Nuclear Plant  
H. Danenhower  
M. DeLowery

### **Public Attendance**

R. Bright  
B. Bright  
P. Rowe  
B. Jordan  
D.M. Clark  
J. Keenum  
D. Kraut  
J. Thomas  
A. Cooke  
A. Sadiq

# Crystal River Unit 3 Annual Assessment Meeting

2012 Performance Assessment  
Nuclear Regulatory Commission – Region 2



## 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



## 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.



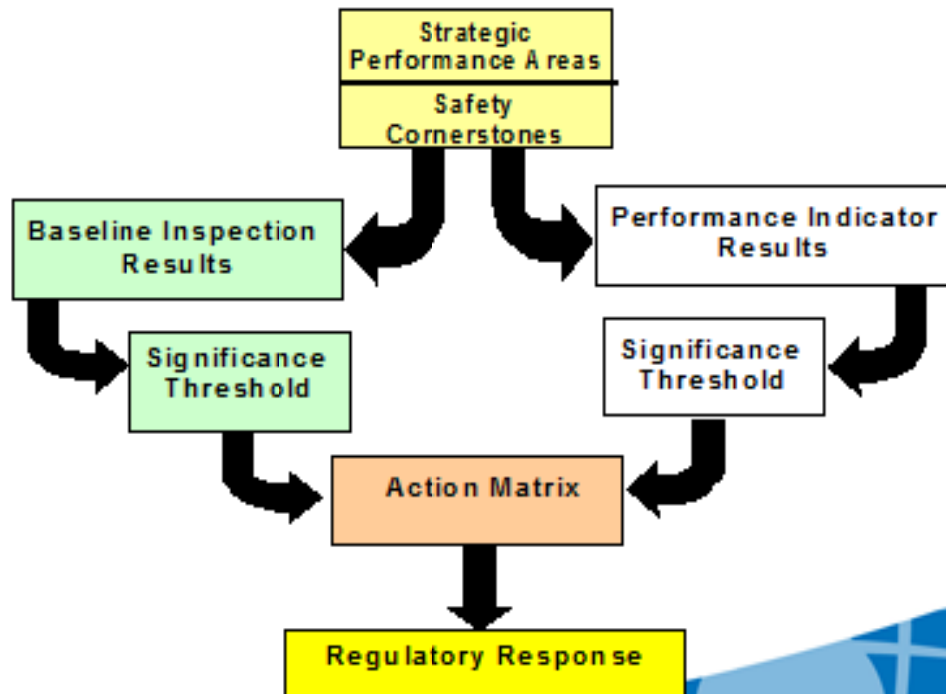
## Purpose of Meeting



- In 2012, the NRC evaluated performance at Crystal River Unit 3 under the Reactor Oversight Process (ROP). The presentation today provides the results of that assessment.
- Duke Energy recently announced that Crystal River Unit 3 will be decommissioned. NRC oversight will continue under the Decommissioning Power Reactor Inspection Program.



# Reactor Oversight Process



## Performance Indicators



- Use objective data to monitor specific aspects of plant performance.
- Each performance indicator has established thresholds.
- These thresholds are indicative of a change in safety margin.



# Significance Threshold



## Performance Indicators

- **Green** Baseline Inspection
- **White** Requires additional 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



Licensee Response	Regulatory Response	Degraded Cornerstone	Multiple/Rep Degraded Cornerstone	Unacceptable Performance
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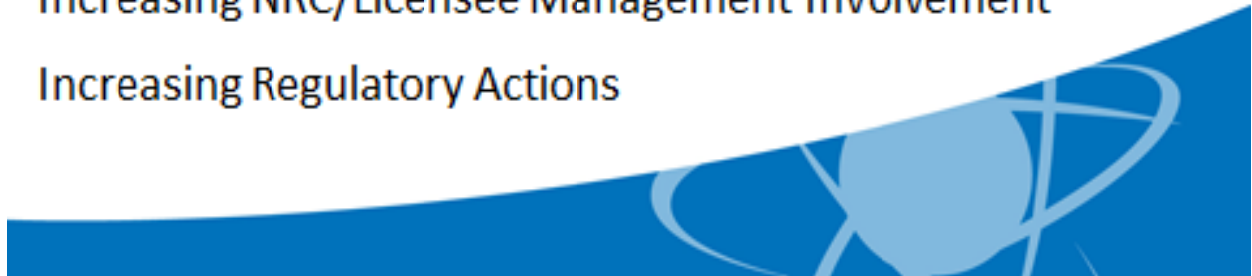


Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions



## NRC Annual Assessment Summary



### Crystal River Unit 3

- Duke Energy operated the plant safely and in a manner that preserved the public health and safety and protected the environment.
- Crystal River Unit 3 was in the Licensee Response Column of the Action Matrix for the two last quarters of the assessment period.



## NRC Annual Assessment Summary



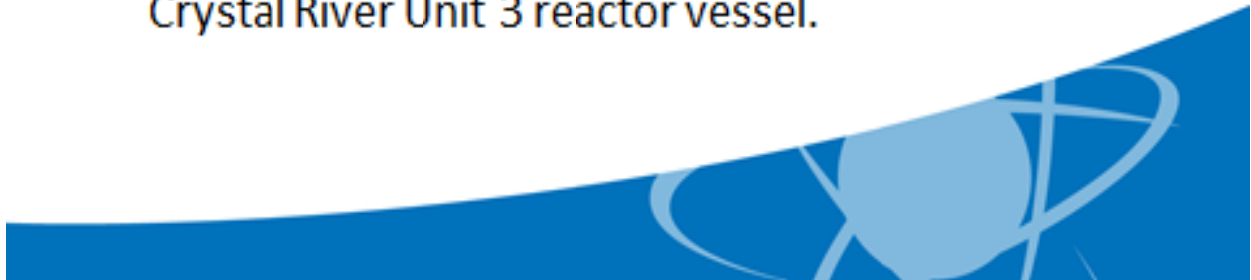
### Crystal River Unit 3

- During the first two quarters of the assessment period, Crystal River Unit 3 was in the Regulatory Response Column of the Action Matrix due to one White finding in the Emergency Preparedness cornerstone.
- A supplemental inspection was completed and Crystal River Unit 3 transitioned back to the Licensee Response Column on July 1, 2012.

## Crystal River Unit 3 Decommissioning



- In February 2013, Duke Energy announced their decision to permanently shutdown and decommission Crystal River Unit 3.
- On February 20, 2013, the licensee certified to the NRC the permanent removal of fuel from Crystal River Unit 3 reactor vessel.





## NRC Oversight



- NRC oversight of plant activities has transitioned from the Reactor Oversight Process to the Decommissioning Power Reactor Inspection Program.
- NRC Region I will take responsibility for oversight of decommissioning activities.
- Information on the Decommissioning process is available at: <http://www.nrc.gov/about-nrc/regulatory/decommissioning.html>.

## Information on the Fukushima Accident



- Actions in response to Fukushima Accident: <http://www.nrc.gov/japan/japan-info.html>
- Mailbox for comments on staff actions: [JLD\\_Public.Resource@nrc.gov](mailto:JLD_Public.Resource@nrc.gov)
- Office of Public Affairs Point of Contact: [OPA.resource@nrc.gov](mailto:OPA.resource@nrc.gov) or 301-415-8200

# NRC Social Media Channels



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

# QUESTIONS



# NRC Social Media Channels



- Blog: <http://public-blog.nrc-gateway.gov/>
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- YouTube: <http://www.youtube.com/user/NRCgov>
- RSS: <http://www.nrc.gov/public-involve/listserver.html#rss>

