



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION IV
1600 EAST LAMAR BOULEVARD
ARLINGTON, TEXAS 76011-4511

March 28, 2018

Mr. Eric Larson
Site Vice President
Entergy Operations, Inc.
Grand Gulf Nuclear Station
P.O. Box 756
Port Gibson, MS 39150

SUBJECT: SUMMARY OF PUBLIC MEETING WITH ENTERGY OPERATIONS, INC.

Dear Mr. Larson:

This refers to the public meeting conducted at the Hampton Inn and Suites, Vicksburg, Mississippi, on March 20, 2018, between the Nuclear Regulatory Commission (NRC) and your staff. Approximately 20 people attended the public meeting, including members of the general public, with representatives from the Louisiana Department of Environmental Quality, the Mississippi Department of Health, the Mississippi Emergency Management Agency, the Green Party of Mississippi, and the Federal Emergency Management Agency.

During the meeting, the NRC presented the results of the annual assessment of safety performance at Grand Gulf Nuclear Station for the period of January 1 through December 31, 2017, as documented in NRC Inspection Report 05000416/2017006, issued March 1, 2018 (ADAMS Accession No. ML18057B123).

During the meeting, your staff presented the station's perspective regarding the issues that contributed to the station's performance in the Regulatory Response Column of the NRC Reactor Oversight Process (ROP) Action Matrix. During the public question-and-answer portion of the meeting, there were several questions from the public regarding a White Performance Indicator and the corresponding NRC Supplemental Inspection, planned plant modifications, and aging management of plant equipment.

A copy of the NRC presentation and public attendance sheet from the meeting are included as Enclosures 1 and 2, respectively.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, "Public inspections, exemptions, requests for withholding," a copy of this letter and its enclosures will be made available electronically for public inspection in the NRC's Public Document Room or the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Should you have any questions concerning this matter, we will be pleased to discuss them with you.

Sincerely,

/RA/

Jason W. Kozal, Chief
Project Branch C
Division of Reactor Projects

Docket No. 50-416
License No. NPF-29

Enclosures:

1. NRC Presentation
2. Public Meeting Attendance Sheet

SUMMARY OF PUBLIC MEETING WITH ENTERGY OPERATIONS, INC. –
DATED MARCH 28, 2017


DISTRIBUTION:

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 JWeil, OCA
 SLingam, NRR
 AMoreno, RIV/CAO
 BMaier, RSLO
 EUribe, IPAT
 TDeBey, DRP
 MHerrera, DRMA
 R4Enforcement
 ROPAssessments

ADAMS ACCESSION NUMBER: ML18092A442

<input checked="" type="checkbox"/> SUNSI Review By: CY/dll		ADAMS <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		Keyword: NRC-002	
OFFICE	SPE:DRP/C	BC:DRP/C							
NAME	CYoung	JKozal							
SIGNATURE	/RA/	/RA/							
DATE	3/27/18	3/28/18							

OFFICIAL RECORD COPY



Meeting to Discuss Grand Gulf Performance

2017 Annual Assessment

March 20, 2018

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NRC Staff Introductions

- Ryan Lantz**
 – Deputy Division Director, Region IV
- Jason Kozal**
 – Branch Chief, Region IV

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Operating Reactors

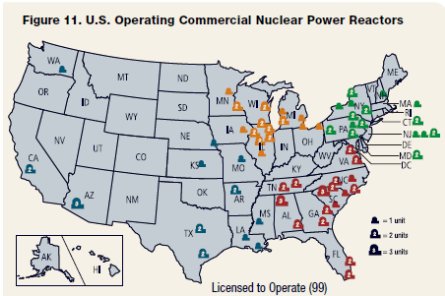



Figure 11. U.S. Operating Commercial Nuclear Power Reactors

Licensed to Operate (99)

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Resident Inspector



Neil Day

**Acting Senior
Resident Inspector**

4



Resident Inspector



Ayesha Athar

**Acting Resident
Inspector**

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Grand Gulf Introductions

Eric Larson

**Site Vice President
Grand Gulf
Entergy Operations, Inc.**

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Agenda

- 2017 Performance Assessment Results
- NRC Oversight Summary
- Grand Gulf Remarks
- NRC Closing Remarks
- Public Comments and Questions

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2017 Assessment Results

- Safe to continue operating
- GG is in enhanced NRC oversight

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Significance Thresholds

Inspection Findings and Performance Indicators

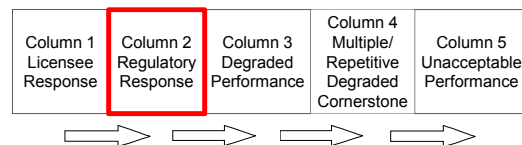


Increasing Safety Significance
Increased NRC inspections and oversight

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Action Matrix Columns

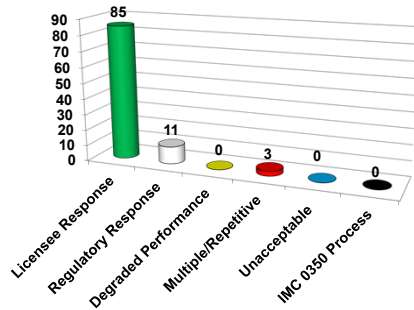


- Increasing Safety Significance of Inputs
- Increasing NRC Oversight

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Industry-Wide Performance



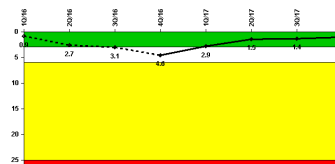
11



2016 - White Performance Indicator

Greater than 3.0 Scrams per 7,000 Critical Hours

- March 29, 2016 - main transformer phase B trip
- June 17, 2016, turbine stop valve issue and trip
- June 25, 2016, turbine control valve issue and trip



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95001 and Parallel White Finding

- June 28, 2017 Grand Gulf notified NRC of readiness for 95001
- NRC performed 95001 Inspection August 2017
- Inspection performed concluded GG failed to fully understand cause and implement corrective actions
- IR 05000416/2017013

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Corrective Action Program Inspection

- Completed biennial inspection January 2018
- NRC identified notable deficiencies in the evaluation and characterization of identified issues
- Results are documented in 05000416/2017011
- NRC plans to conduct next CAP inspection in late 2018

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Findings and Performance Indicators

- Reactor Oversight Process
 - 11 Green Findings, including one Notice of Violation
- Traditional Enforcement
 - Five severity level IV violations
 - NRC will perform an inspection of extent of condition, extent of cause, and corrective actions (IP 92723)
 - 3 apparent violations issued
 - Dispositioned as Confirmatory Order - ML18072A191

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Focus Areas

- Corrective Action Program
- Equipment Reliability
- Operator Fundamentals

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NRC Next Steps

- Monitor continued efforts to improve overall station performance
- Conduct follow-up supplemental inspection for White Performance Indicator
- Inspection for 8 Severity Level IV (3 in 2016, 5 in 2017) Violations

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Grand Gulf Presentation

Eric Larson
Site Vice President
Grand Gulf
Entergy Operations, Inc.

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NRC Closing Remarks

Ryan Lantz

**Deputy Division Director
NRC Region IV**

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Questions or Comments?

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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)
- **To sign up for NRC news and correspondence**
 - <http://www.nrc.gov/public-involve/listserver/plants-by-region.html>

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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>

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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

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PUBLIC MEETING ATTENDANCE

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