



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

May 2, 2019

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 Ross Administration Building, Port Gibson, Mississippi, on April 16, 2019, between the Nuclear Regulatory Commission (NRC) and your staff. Approximately 35 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 Federal Emergency Management Agency, and Claiborne County and Port Gibson City representatives.

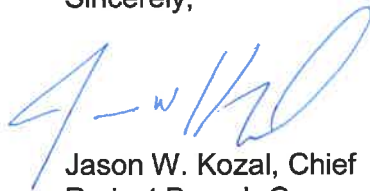
During the meeting, the NRC presented the results of the annual assessment of safety performance at Grand Gulf Nuclear Station for the period of January 1 through December 31, 2018, as documented in NRC Inspection Report 05000416/2018006, issued March 4, 2019 (ADAMS Accession No. ML19058A721). Your staff 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 the current level of regulatory oversight of plant, experience level of operators at plant, and handling of spent fuel at the site.

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,



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

cc w/encl:

Electronic Distribution for Grand Gulf

**Grand Gulf Nuclear Station
 Annual Performance Assessment**

**2018 Reactor Oversight Process
 U.S. Nuclear Regulatory Commission – Region IV**

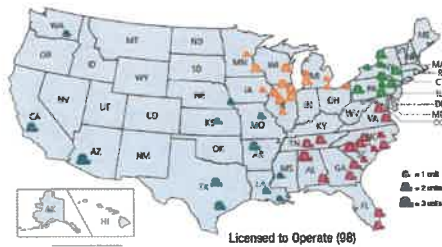
April 16, 2019

NRC Mission



Operating Reactors

U.S. Operating Commercial Nuclear Power Reactors



USNRC
 United States Nuclear Regulatory Commission
 As of Sept. 2018

NRC Staff Introductions

- **Tony Vogel**
 – Director, Division of Reactor Projects, Region IV
- **Ryan Lantz**
 – Director, Division of Reactor Safety, Region IV
- **Jason Kozal**
 – Chief, Project Branch C, Division of Reactor Projects

Resident Inspectors



Tim Steadham

**Senior Resident
Inspector**



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Resident Inspectors



Neil Day

Resident Inspector



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Grand Gulf Introductions

Eric Larson

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



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Agenda

- **2018 Performance Assessment Results**
- **NRC Oversight Summary**
- **Grand Gulf Remarks**
- **NRC Closing Remarks**
- **Public Comments and Questions**



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Grand Gulf Nuclear Station 2018 Performance Assessment

- Grand Gulf performance preserved public health and safety
- Grand Gulf is safe to continue operating
- Grand Gulf is under enhanced NRC oversight due to some performance issues

Reactor Oversight Process

Safety Significance Thresholds

Inspection Findings and Performance Indicators



Increasing Safety Significance
Increased NRC inspections and oversight

Action Matrix Columns

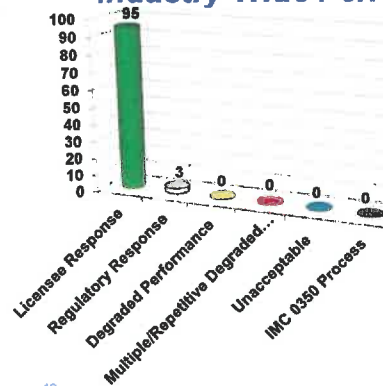
Column 1 Licensee Response	Column 2 Regulatory Response	Column 3 Degraded Performance	Column 4 Multiple/ Repetitive Degraded Cornerstone	Column 5 Unacceptable Performance
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- Increasing Safety Significance of Inputs
- Increasing NRC Oversight

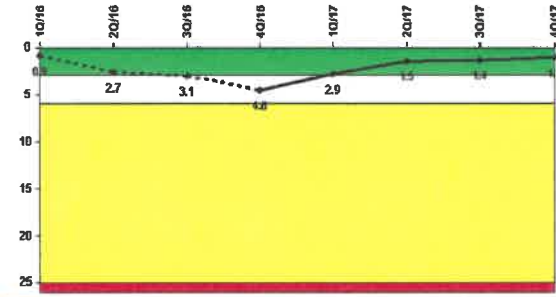
Industry-Wide Performance

As of 03/13/2019



2016 White Performance Indicator

Unplanned Reactor Scrams per 7,000 Critical Hours



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Supplemental Inspections

- NRC supplemental inspection (95001) in August 2017
- Concluded GG failed to fully identify causes and implement corrective actions for performance issues
- White "Parallel PI" Finding was made effective beginning January 2017
- Additional 95001 inspection in June 2018, closing the White Finding



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2018 White Performance Indicators

Unplanned Power Changes per 7,000 Critical Hours



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2018 White Performance Indicators

Unplanned Reactor Scrams per 7,000 Critical Hours



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2018 Enforcement Actions

- 27 Green Findings (22 included violations of regulatory requirements)
 - Green = very low safety significance
- 10 Severity Level IV violations identified during 2016-2018
 - Three in 2016, five in 2017, and two in 2018
 - Severity Level IV is the lowest of 4 severity levels
- Confirmatory Order
 - Misconduct of non-licensed operator tours



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NRC Next Steps

- Monitor continued efforts to improve overall station performance
- Conduct supplemental inspection to evaluate actions to address White Performance Indicator issues
- Conduct inspection to evaluate actions to address Severity Level IV violations
- Conduct inspection to evaluate compliance with actions required by Confirmatory Order



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Grand Gulf Response

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



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NRC Closing Remarks

Tony Vogel
Director, Division of Reactor Projects
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

LICENSEE/FACILITY	Entergy/Grand Gulf Nuclear Station	
DATE/TIME	Tuesday, April 16, 2019, 6:00 - 7:30 pm	
CONFERENCE LOCATION	William "Matt" Ross Administration Building, Board Room	
NAME (Please Print)	ORGANIZATION	TITLE
Henry L. Johnson	Claiborne Co. BOS.	Receiving Clerk
BJ Smith	MS State Dept. Health	Rad Health Director
Brad Schoenway	LA DeQ	REPR Supervisor
Mandy Halter	Entergy	Director, Regulatory Compliance
Robert Carroll	Cooperative Energy	GG site representative
Deane T. Davaud	Claiborne Co.	Tax Assessor/Collator
Alvina Dotson	Claiborne County	Chancery Clerk
Gerald McHenry	FEMA IV	Site Specialist
David Ortman	FEMA IV	site specialist
Marvin Ratliff	Claiborne Co. FEMA	Director
STEPHEN PYLE	ENTERGY	SR MGR REG ASSURANCE
Mark Travis	Entergy	MGR. Radiation Protection
Greg Hawkins	Entergy	Dir Reg & PI
Donna Lum	Beyond Communication Oliver	
Bob Fransson	Entergy	GMPO
Eric Larson	Entergy	VP
Mike Bowling	Entergy	Comms Manager
Ed Eilola	Entergy	Director
SCOTT DAVIS	WARD 5 ALDERMAN	CITY of TOS (SIP)
Linda Day	Chamber of Commerce	Director
Terrence Black	Entergy	HR Mgr

SUMMARY OF PUBLIC MEETING WITH ENTERGY OPERATIONS, INC. – May 2, 2019

DISTRIBUTION:

SMorris, RA
 MShaffer, DRA
 AVegel, DRP
 MHay, DRP
 RLantz, DRS
 GMiller, DRS
 DCylkowski, RC
 JKozal, DRP
 CYoung, DRP
 MMcCoppin, RIV/OEDO
 VDricks, ORA
 JWeil, OCA
 SLingam, NRR
 AMoreno, RIV/CAO
 BMaier, RSLO
 RKellar, IPAT
 TSteadham, DRP
 NDay, DRP
 AEIam, DRP
 PJayroe, IPAT
 TDeBey, DRP
 MHerrera, DRMA
 R4Enforcement
 ROPAssessment.Resource@nrc.gov

ADAMS ACCESSION NUMBER: ML19122A420

SUNSI Review ADAMS: Non-Publicly Available Non-Sensitive Keyword:
 By: CHY Yes No Publicly Available Sensitive NRC-002

OFFICE	SPE:DRP/C	BC:DRP/C				
NAME	CYoung	JKozal				
SIGNATURE	/RA/	/RA/				
DATE	5/1/19	5/2/19				

OFFICIAL RECORD COPY