



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION IV
1600 E. LAMAR BLVD.
ARLINGTON, TX 76011-4511

April 11, 2017

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 Claiborne County Multi-Purpose Center, Port Gibson, Mississippi, on March 28, 2017, between the Nuclear Regulatory Commission (NRC) and your staff. Approximately 14 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 Green Party of Mississippi, and the National Association for the Advancement of Colored People.

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, 2016, as documented in NRC Inspection Report 05000416/2016006, issued March 1, 2017 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML17059D517). A copy of the NRC presentation and the public attendance sheet from the meeting are included as Enclosures 1 and 2, respectively.

During the meeting, your staff presented the station's perspective regarding the events that contributed to the transition to the Regulatory Response Column of the NRC Reactor Oversight Process (ROP) Action Matrix in 2016, as well as a recent extended plant shutdown. During the public question-and-answer portion of the meeting, there were several questions from the public regarding the environmental impact of plant operation, the recent extended shutdown, the availability of NRC inspection reports, the NRC budget, traditional enforcement violations, and past significant events in the industry.

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, 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/

Gregory G. Warnick, 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: Electronic Distribution



Meeting to Discuss Grand Gulf Performance

2016 Annual Assessment

March 28, 2017

1

NRC Staff Introductions

- **Scott Morris**
 - Deputy Regional Administrator, Region IV

- **Greg Warnick**
 - Branch Chief, Region IV



2

Senior Resident Inspector



Matt Young

**Senior Resident
Inspector**

3



Resident Inspector



Neil Day

Resident Inspector

4



Grand Gulf Introductions

Vin Fallacara

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

5



Agenda

- **2016 Performance Assessment Results**
- **NRC Oversight Summary**
- **Grand Gulf Presentation**
- **NRC Closing Remarks**
- **Public Comments and Questions**

6



2016 Assessment Results

- **Safe to continue operating**
- **NRC is enhancing oversight**

7



Significance Thresholds

Inspection Findings and Performance Indicators



Increasing Safety Significance
Increased NRC inspections and oversight

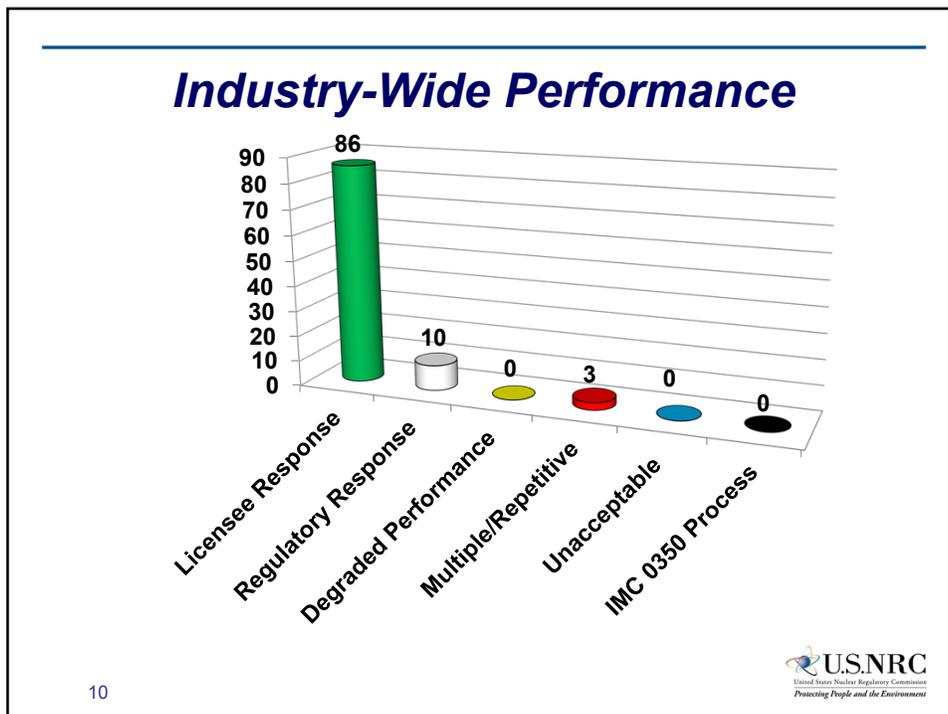
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Action Matrix Columns

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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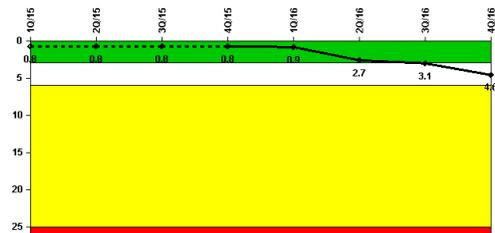
- Increasing Safety Significance of Inputs
- Increasing NRC Oversight



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



11



Findings and Performance Indicators

- Reactor Oversight Program
 - 21 Green Findings
 - One White Performance Indicator
- Traditional Enforcement
 - Three Severity Level IV Violations for impeding the regulatory process
 - 10 CFR Part 50.59, “Changes, tests, and experiments”
 - IP 92723 Inspection

12



Decline in Performance

- **June 17, 2016, plant transient complicated by non-conservative decision making**
- **September 8, 2016, Technical Specification (TS) shutdown**
- **Configuration control errors during TS shutdown**
- **Entergy's Decision to extend shutdown**

13



Focus Areas

- **Evaluate operator performance gaps**
- **Monitor improvement efforts to address performance gaps**
- **Review corrective action effectiveness**

14



NRC Next Steps

- **Monitor continued efforts to improve overall station performance**
- **Conduct IP 95001 inspection for White Performance Indicator**
- **IP 92723 Inspection for 3 Severity Level IV Violations**
- **Finish review of Unplanned Power Change Performance Indicator and alternate decay heat removal issue of concern**

15



Grand Gulf Presentation

Vin Fallacara
Site Vice President
Grand Gulf
Entergy Operations, Inc.

16



NRC Closing Remarks

Scott Morris

**Deputy Regional Administrator
NRC Region IV**

17



Questions or Comments?

18



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 \(Toll Free\)](tel:1-800-397-4209)
- **To sign up for NRC news and correspondence**
 - <http://www.nrc.gov/public-involve/listserver/plants-by-region.html>

19



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>

20



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

PUBLIC MEETING ATTENDANCE - Public Meeting with Entergy Operations, Inc.

LICENSEE/FACILITY	Grand Gulf Nuclear Station	
DATE/TIME	Tuesday, March 28, 2017, 5:30 - 7:00 p.m.	
CONFERENCE LOCATION	Claiborne County Multipurpose Building, Port Gibson, MS	
NAME (Please Print)	ORGANIZATION	TITLE
Michael McMahon	LA Dept of Environmental Quality	Env Scientist
Ji Young Wiley	LA Dept of Environmental Quality	Environmental Scientist/Staff
DJ Smith	MS State Dept. Health	Director / Ad Health
Richard Sumrall	GGNS	Chemistry Manager
Jim Nadeau	GGNS	RA Manager
Hugh King	_____	_____
Q 2 Lind	Reville	_____ Public Av
Ferry Medication	GGNS	Site Coordinator
Donna Gunn	Beyond Com	owner
* Jan Hillegas	Green Party of MS	Chair
Robert Burnett	GGN	Supply Chain Mgr
No State	NAACP	V.P.
Mildred Holland	NAACP	Member
Johnny MATHEWS	Entergy	Regulatory Assurance

SUMMARY OF PUBLIC MEETING WITH ENTERGY OPERATIONS, INC. –
 DATED APRIL 11, 2017

DISTRIBUTION:

KKennedy, RA
 SMorris, DRA
 TPruett, DRP
 AVegel, DRS
 JClark, DRS
 RLantz, DRP
 JBowen, RIV/OEDO
 KFuller, RC
 VDricks, ORA
 JWeil, OCA
 SLingam, NRR
 AMoreno, RIV/CAO
 BMaier, RSLO
 THipschman, IPAT
 EUribe, IPAT
 MHerrera, DRMA
 RIV ACES
 GWarnick, DRP
 JKozal, DRP
 CYoung, DRP
 LBrandt, DRP
 MStafford, DRP
 MYoung, DRP
 NDay, DRP
 AEIam, DRP

ADAMS ACCESSION NUMBER: ML17101A440

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

OFFICE	PE:DRP/C	SPE:DRP/C	BC:DRP/C			
NAME	LBrandt	CYoung	GWarnick			
SIGNATURE	/RA/	/RA/				
DATE	4/5/17	4/5/17	4/11/17			

OFFICIAL RECORD COPY