



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

August 30, 2019

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

SUBJECT: UPDATED INSPECTION PLAN FOR GRAND GULF NUCLEAR STATION,  
REPORT 05000416/2019005

Dear Mr. Larson:

The enclosed inspection plan lists the inspections scheduled through June 30, 2021, for Grand Gulf Nuclear Station. The U.S. Nuclear Regulatory Commission (NRC) provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. You should be aware that the agency is pursuing potential changes to the Reactor Oversight Process (ROP) including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"), and other changes to the baseline inspection program described in SECY-19-0067, "Recommendations for Enhancing the Reactor Oversight Process." Should these changes to the ROP be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule, beginning in January 2020. The inspections listed during the last 12 months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

As discussed in the 2018 annual assessment letter dated March 4, 2019 (ADAMS Accession No. ML19064A731), the NRC determined the performance at Grand Gulf Nuclear Station to be in the Regulatory Response Column (Column 2) of the Reactor Oversight Process Action Matrix beginning the third quarter of 2018. Therefore, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, "Supplemental Inspection Response to Action Matrix Column 2 Inputs." The objectives of the supplemental inspection are: (1) to assure that the root causes and contributing causes of significant performance issues are understood, (2) to independently assess and assure that the extent of condition and extent of cause of significant performance issues are identified, (3) to assure that corrective actions taken to address and preclude repetition of significant performance issues are prompt and effective, and (4) to assure that corrective plans direct prompt actions to effectively address and preclude repetition of significant performance issues. This inspection commenced during the week of August 26, 2019.

From December 9, 2016, through August 14, 2019, the NRC issued 11 Severity Level IV traditional enforcement violations associated with impeding the regulatory process. In April of 2019, the NRC conducted an inspection to assess your evaluations and corrective actions associated with these issues using Inspection Procedure 92723, "Follow Up Inspection for Three or More Severity Level IV Traditional Enforcement Violations in the Same Area in a 12-Month Period." Based on the results of this inspection that are documented in NRC Integrated Inspection Report 05000416/2019002 (ADAMS Accession No. ML19226A236) the NRC was not able to conclude that the actions taken were adequate to meet the inspection objectives. Therefore, the NRC plans to perform an additional inspection that will be scheduled after you notify the NRC of your readiness.

On March 12, 2018, the NRC issued a Confirmatory Order (ADAMS Accession No. ML18072A191) (EA-17-132 and EA-17-153) to the Entergy fleet that included Grand Gulf Nuclear Station. The NRC plans to conduct a Confirmatory Order follow-up inspection at Entergy Corporate Headquarters in Jackson, MS, of the Confirmatory Order actions required to be completed by the end of calendar year 2019, in accordance with Inspection Procedure 92702, "Followup on Traditional Enforcement Actions Including Violations, Deviations, Confirmatory Action Letters, Confirmatory Orders, And Alternative Dispute Resolution Confirmatory Orders." This inspection will be conducted during the first quarter of 2020 on a date to be determined by the NRC and Entergy.

In the 2018 annual assessment letter, the NRC identified a cross-cutting theme in the Human Performance area. Specifically, 20 findings had a cross-cutting aspect in this area during the 2018 end-of-cycle assessment period. Because this theme criterion is no longer met as of the assessment period ending on June 30, 2019, the NRC has determined that a cross-cutting theme in the Human Performance area no longer exists.

In accordance with Title 10 of the *Code of Federal Regulations* (CFR) 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter 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).

Please contact me at (817) 200-1250 with any questions you have regarding this letter.

Sincerely,

/RA/

Cale H. Young, Acting Chief  
Project Branch C  
Division of Reactor Projects

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

Enclosure:  
Inspection Plan

UPDATED INSPECTION PLAN FOR GRAND GULF NUCLEAR STATION, REPORT  
05000416/2019005 - DATED AUGUST 30, 2019

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ROP Assessment Resource

DOCUMENT NAME: GG 2019005 MidCycle  
ADAMS ACCESSION NUMBER: ML19234A356

☒ SUNSI Review      ADAMS:      ☐ Non-Publicly Available      ☒ Non-Sensitive      Keyword:  
By: **DLP**      ☒ Yes    ☐ No      ☒ Publicly Available      ☐ Sensitive

OFFICE	PBC:SPE	PBC:C				
NAME	DProulx	CYoung				
SIGNATURE	/RA/	/RA/				
DATE	08/21/19	08/30/19				

OFFICIAL RECORD COPY

# IP 22 Inspection Activity Plan Report

## 07200050 - Grand Gulf (ISFSI)

07/01/2019 - 06/30/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>Grand Gulf Loading Inspection (one week in month)</b>						2
1	08/01/2019	10/31/2019	IP 60855	001001	Operation Of An ISFSI	
1	08/01/2019	10/31/2019	IP 60857	001004	Review of 10 CFR 72.48 Evaluations	

# IP 22 Inspection Activity Plan Report

## Grand Gulf

07/01/2019 - 06/30/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>95001 Supplemental Inspection - 2 White PIs</b>						4
1	07/08/2019	10/25/2019	IP 71152	000748	Problem Identification and Resolution	
1	07/08/2019	11/25/2019	IP 71153	000749	Followup of Events and Notices of Enforcement Discretion	
1	07/08/2019	10/11/2019	IP 95001	000938	Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area	
<b>GG 2019 BRQ</b>						2
1	08/11/2019	08/17/2019	IP 71111.11B	000704	Licensed Operator Regualification Program and Licensed Operator Performance	
<b>GRAND GULF DBA PROGRAM EQ INSPECTION</b>						3
1	09/09/2019	09/27/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
<b>Security Protective Strategy .05</b>						2
1	09/09/2019	09/20/2019	IP 71130.05	000737	Protective Strategy Evaluation	
<b>RP INSPECTION (1,3)</b>						2
1	09/30/2019	10/04/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	09/30/2019	10/04/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
<b>GG ENTERGY CO FOLLOWUP - 2</b>						3
1	12/01/2019	03/31/2020	IP 92702 CONF	001581	Enforcement Related Order Follow-Up-Only	
<b>GG 2020 INITIAL EXAM 1</b>						4
1	01/05/2020	01/11/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	02/02/2020	02/08/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>Biennial PI&amp;R Inspection</b>						4
1	01/13/2020	01/17/2020	IP 71152B	000747	Problem Identification and Resolution	
1	01/27/2020	01/31/2020	IP 71152B	000747	Problem Identification and Resolution	
<b>Inservice Inspection RF22 - GG</b>						1
1	03/02/2020	03/06/2020	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>RS12PI Radiation Safety</b>						2
1	03/02/2020	03/06/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	03/02/2020	03/06/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	

# IP 22 Inspection Activity Plan Report

## Grand Gulf

07/01/2019 - 06/30/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>Security Access Control .02</b>						1
1	06/15/2020	06/19/2020	IP 71130.02	000734	Access Control	
1	06/15/2020	06/19/2020	IP 71151	001338	Performance Indicator Verification	
<b>Security Equipment .04 and Training .07</b>						2
1	07/20/2020	07/24/2020	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	07/20/2020	07/24/2020	IP 71130.07	000739	Security Training	
<b>Fire Protection Inspection - GG</b>						3
1	08/10/2020	08/14/2020	IP 71111.21N.05		Fire Protection Team Inspection (FPTI)	
1	08/24/2020	08/28/2020	IP 71111.21N.05		Fire Protection Team Inspection (FPTI)	
<b>GG 2020 INITIAL EXAM 2</b>						0
1	09/13/2020	09/19/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	10/18/2020	10/24/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>Grand Gulf 1 - Design Bases Assurance Inspection (Teams)</b>						6
1	09/21/2020	10/09/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>EP Program Inspection</b>						1
1	11/16/2020	11/20/2020	IP 71114.02	000717	Alert and Notification System Testing	
1	11/16/2020	11/20/2020	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	11/16/2020	11/20/2020	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	11/16/2020	11/20/2020	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1	11/16/2020	11/20/2020	IP 71151	001397	Performance Indicator Verification	
<b>RS5678 Radiation Safety PS Team</b>						4
1	11/16/2020	11/20/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1	11/16/2020	11/20/2020	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1	11/16/2020	11/20/2020	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1	11/16/2020	11/20/2020	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>MC&amp;A - Material Control &amp; Accounting</b>						1
1	11/16/2020	11/20/2020	IP 71130.11	000742	Material Control and Accounting (MC&A)	

# IP 22 Inspection Activity Plan Report

## Grand Gulf

07/01/2019 - 06/30/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RP 2,4</b>						2
1	02/15/2021	02/19/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	02/15/2021	02/19/2021	IP 71124.04	000728	Occupational Dose Assessment	
<b>Security FFD .08</b>						1
1	02/22/2021	02/26/2021	IP 71130.08	000740	Fitness For Duty Program	
<b>EP Exercise and PI Inspection</b>						4
1	03/15/2021	03/19/2021	IP 71114.01	000716	Exercise Evaluation	
1	03/15/2021	03/19/2021	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	03/15/2021	03/19/2021	IP 71151	001397	Performance Indicator Verification	
<b>FORCE-ON-FORCE PLANNING &amp; EXERCISE</b>						5
1	04/12/2021	04/16/2021	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	05/03/2021	05/07/2021	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>RP 1,3,PI</b>						2
1	04/19/2021	04/23/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	04/19/2021	04/23/2021	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
<b>50.59 Inspection 17T - Grand Gulf</b>						3
1	05/17/2021	05/21/2021	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
<b>Security Access Authorization .01 and Access Control .02 w/PIV</b>						2
1	05/17/2021	05/21/2021	IP 71130.01	000733	Access Authorization	
1	05/17/2021	05/21/2021	IP 71130.02	000734	Access Control	
1	05/17/2021	05/21/2021	IP 71151	001338	Performance Indicator Verification	