



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

March 1, 2018

Mr. John Dinelli, Site Vice President  
Entergy Operations, Inc.  
17265 River Road  
Killona, LA 70057-0751

SUBJECT: ANNUAL ASSESSMENT LETTER FOR WATERFORD STEAM ELECTRIC  
STATION UNIT 3 (REPORT 05000382/2017006)

Dear Mr. Dinelli:

The U.S. Nuclear Regulatory Commission (NRC) has completed its end-of-cycle performance assessment of Waterford Steam Electric Station Unit 3, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2017 through December 31, 2017. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. The NRC concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at Waterford Steam Electric Station Unit 3 during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2019. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. The 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. The inspections listed during the last twelve 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.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," 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 the

NRC's document system, Agencywide Documents Access and Management 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) 200-1173 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Geoffrey B. Miller, Branch Chief  
Projects Branch D  
Division of Reactor Projects

Docket: 50-382

License: NPF-38

Enclosure:  
Waterford Steam Electric Station Unit 3  
Inspection Plan

# IP 22 Inspection Activity Plan Report

## Waterford

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>MAT'L CONTROL &amp; ACCOUNTING</b>						1
3	01/22/2018	01/26/2018	IP 71130.11	000742	Material Control and Accounting (MC&A)	
<b>RAD SAFETY 1,3</b>						2
3	01/22/2018	01/26/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
3	01/22/2018	01/26/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
3	01/22/2018	01/26/2018	IP 71151	000746	Performance Indicator Verification	
<b>WAT 50.59 CHANGES, TESTS, EXPERIMENTS</b>						3
3	04/02/2018	04/06/2018	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
<b>SECURITY TEAM INSPECTION</b>						2
3	06/04/2018	06/08/2018	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
3	06/04/2018	06/08/2018	IP 71130.07	000739	Security Training	
<b>TRIENNIAL FIRE PROTECTION INSPECTION</b>						6
3	07/30/2018	08/03/2018	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
3	07/30/2018	08/03/2018	IP 92702	000238	Followup On Corrective Actions For Violations And Deviations	
3	08/13/2018	08/17/2018	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
<b>EP PROGRAM INSPECTION</b>						1
3	08/06/2018	08/10/2018	IP 71114.02	000717	Alert and Notification System Testing	
3	08/06/2018	08/10/2018	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
3	08/06/2018	08/10/2018	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
3	08/06/2018	08/10/2018	IP 71151	001397	Performance Indicator Verification	
3	08/13/2018	08/17/2018	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
3	08/13/2018	08/17/2018	IP 71151	001397	Performance Indicator Verification	
<b>RAD SAFETY 2,4</b>						2
3	09/10/2018	09/14/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
3	09/10/2018	09/14/2018	IP 71124.04	000728	Occupational Dose Assessment	
<b>BIENNIAL PI&amp;R INSPECTION</b>						4
3	09/17/2018	09/21/2018	IP 71152B	000747	Problem Identification and Resolution	
3	10/01/2018	10/05/2018	IP 71152B	000747	Problem Identification and Resolution	

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

# IP 22 Inspection Activity Plan Report

## Waterford

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>FORCE-ON-FORCE PLANNING &amp; EXERCISE WEEK</b>						<b>7</b>
3	09/24/2018	09/28/2018	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
3	10/15/2018	10/19/2018	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>INITIAL EXAM</b>						<b>4</b>
3	09/30/2018	10/06/2018	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
3	11/04/2018	11/10/2018	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>CYBER SECURITY INSPECTION</b>						<b>5</b>
3	11/05/2018	11/09/2018	IP 71130.10P	000741	Cyber Security	
3	11/26/2018	11/30/2018	IP 71130.10P	000741	Cyber Security	
<b>SECURITY SOLO</b>						<b>1</b>
3	12/03/2018	12/07/2018	IP 71130.02	000734	Access Control	
3	12/03/2018	12/07/2018	IP 71151	001338	Performance Indicator Verification	
<b>WATERFORD INSERVICE INSPECTION</b>						<b>1</b>
3	01/14/2019	01/25/2019	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>RP INSPECTION</b>						<b>2</b>
3	01/14/2019	01/18/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
3	01/14/2019	01/18/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
3	01/14/2019	01/18/2019	IP 71151	000746	Performance Indicator Verification	
<b>WATERFORD EQ PROGRAMS INSPECTION</b>						<b>3</b>
3	04/01/2019	04/19/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
<b>SECURITY SOLO INSPECTION</b>						<b>1</b>
3	05/13/2019	05/17/2019	IP 71130.02	000734	Access Control	
3	05/13/2019	05/17/2019	IP 71151	001338	Performance Indicator Verification	
<b>BRQ</b>						<b>2</b>
3	07/29/2019	08/03/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance - Biennial	
<b>SECURITY TEAM INSPECTION</b>						<b>2</b>
3	10/07/2019	10/11/2019	IP 71130.05	000737	Protective Strategy Evaluation	

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## Waterford

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RP TEAM INSPECTION</b>						5
3	11/04/2019	11/08/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
3	11/04/2019	11/08/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
3	11/04/2019	11/08/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
3	11/04/2019	11/08/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>EP EXERCISE AND PI INSPECTION</b>						4
3	11/18/2019	11/22/2019	IP 71114.01	000716	Exercise Evaluation	
3	11/18/2019	11/22/2019	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
3	11/18/2019	11/22/2019	IP 71151	001397	Performance Indicator Verification	
<b>TI 2515/194</b>						2
3	12/09/2019	12/13/2019	TI 2515/194	000512	Inspection of the Licensee's Implementation of Industry Initiative Associated With the Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bulletin 2012-01)	

ANNUAL ASSESSMENT LETTER FOR WATERFORD STEAM ELECTRIC STATION UNIT 3  
(REPORT 05000382/2017006) DATED MARCH 1, 2018

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**ADAMS ACCESSION NUMBER: ML18052A527**

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

OFFICE	DRP/SPE:D	DRS/C:PSB1	DRS/D	DRP/C:D	DRP/D	
NAME	JDixon	JGroom	AVegel	GMiller	TPruett	
SIGNATURE	/RA/	/RA/	/RA/	/RA/	/RA RLantz for/	
DATE	2/21/18	2/21/18	2/22/18	2/23/18	2/22/18	

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