



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 |
|--|------------|------------|---------------|--------|--|-------------|
| MAT'L CONTROL & ACCOUNTING | | | | | | 1 |
| 3 | 01/22/2018 | 01/26/2018 | IP 71130.11 | 000742 | Material Control and Accounting (MC&A) | |
| RAD SAFETY 1,3 | | | | | | 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 | |
| WAT 50.59 CHANGES, TESTS, EXPERIMENTS | | | | | | 3 |
| 3 | 04/02/2018 | 04/06/2018 | IP 71111.17T | 000709 | Evaluations of Changes, Tests, and Experiments | |
| SECURITY TEAM INSPECTION | | | | | | 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 | |
| TRIENNIAL FIRE PROTECTION INSPECTION | | | | | | 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) | |
| EP PROGRAM INSPECTION | | | | | | 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 | |
| RAD SAFETY 2,4 | | | | | | 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 | |
| BIENNIAL PI&R INSPECTION | | | | | | 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 |
|--|------------|------------|--------------|--------|--|-------------|
| FORCE-ON-FORCE PLANNING & EXERCISE WEEK | | | | | | 7 |
| 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 | |
| INITIAL EXAM | | | | | | 4 |
| 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) | |
| CYBER SECURITY INSPECTION | | | | | | 5 |
| 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 | |
| SECURITY SOLO | | | | | | 1 |
| 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 | |
| WATERFORD INSERVICE INSPECTION | | | | | | 1 |
| 3 | 01/14/2019 | 01/25/2019 | IP 71111.08P | 000702 | Inservice Inspection Activities - PWR | |
| RP INSPECTION | | | | | | 2 |
| 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 | |
| WATERFORD EQ PROGRAMS INSPECTION | | | | | | 3 |
| 3 | 04/01/2019 | 04/19/2019 | IP 71111.21N | 000714 | Design Bases Assurance Inspection (Programs) | |
| SECURITY SOLO INSPECTION | | | | | | 1 |
| 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 | |
| BRQ | | | | | | 2 |
| 3 | 07/29/2019 | 08/03/2019 | IP 71111.11B | 000704 | Licensed Operator Requalification Program and Licensed Operator Performance - Biennial | |
| SECURITY TEAM INSPECTION | | | | | | 2 |
| 3 | 10/07/2019 | 10/11/2019 | IP 71130.05 | 000737 | Protective Strategy Evaluation | |

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 |
|--------------------------------------|------------|------------|-------------|--------|---|-------------|
| RP TEAM INSPECTION | | | | | | 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 | |
| EP EXERCISE AND PI INSPECTION | | | | | | 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 | |
| TI 2515/194 | | | | | | 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

DISTRIBUTION:

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 JChoate, DRP
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 BMcDermott, NSIR
 MBailey, NSIR
 DRP Branch Chiefs
 DRS Branch Chiefs
 ROP Reports Resource
 ROP Assessment Resource

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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