



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, ILLINOIS 60532-4352

March 2, 2018

Mr. Mark Bezilla
Site Vice President
FirstEnergy Nuclear Operating Company
Davis-Besse Nuclear Power Station
5501 North State Route 2
Oak Harbor, OH 43449-9760

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR DAVIS-BESSE NUCLEAR POWER
STATION (REPORT 05000346/2017006)**

Dear Mr. Bezilla:

The NRC has completed its end-of-cycle performance assessment of Davis-Besse Nuclear Power Station 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.

Although plant performance was within the Licensee Response Column, the NRC has assigned a preliminary significance of low-to-moderate (White) to Apparent Violation 05000346/2017004-04, "Apparent Failure to Prescribe Appropriate Work Instructions for an Activity Affecting Quality." This Apparent Violation was previously described in Davis-Besse Inspection Report 05000346/2017004, dated February 14, 2018 (ML18045A076). The NRC's preliminary significance determination is documented in Davis-Besse Inspection Report 05000346/2017010, which will be issued under separate cover. That inspection report's transmittal letter also provides Davis-Besse's alternatives to responding to the apparent violation and the preliminary significance determination. The final safety significance determination may affect the NRC's assessment of plant performance and the enclosed inspection plan. Also, during this assessment year, the plant was in Column 2 due to a White performance indicator. As stated in NRC's inspection report and quarterly assessment letter dated May 12, 2017 (ADAMS Accession Number ML17132A193), the plant returned to Column 1 at the end of the first quarter of 2017 after a successful supplemental inspection.

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 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.

The enclosed inspection plan includes, among other items, a design basis inspection in September and October 2017 using inspection procedure 71111.21M, "Design Bases Assurance Inspection (Teams)."

This letter and its enclosure will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Please contact Jamnes Cameron at 630-829-9833 with any questions you have regarding this letter.

Sincerely,

/RA/

Patrick L. Loudon, Director
Division of Reactor Projects

Docket No. 50-346
License No. NPF-3

Enclosure:
Inspection Plan

cc: Distribution via LISTSERV®

Letter to Mark Bezilla from Patrick Loudon dated March 2, 2018

SUBJECT: ANNUAL ASSESSMENT LETTER FOR DAVIS-BESSE NUCLEAR POWER STATION (REPORT (05000346/2017006)

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ADAMS Accession Number: ML18058B123

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|--------|-------------|-----------|--|--|--|--|--|
| OFFICE | RIII | RIII | | | | | |
| NAME | JCameron:lg | PLouden | | | | | |
| DATE | 2/21/2018 | 2/23/2018 | | | | | |

OFFICIAL RECORD COPY

IP 22 Inspection Activity Plan Report

07200014 - Davis-Besse (ISFSI)

03/01/2018 - 12/31/2019

| Unit | Start | End | Activity | CAC | Title | Staff Count |
|--|------------|------------|----------|--------|--|-------------|
| ISFSI Preoperational and Initial Loading Inspection | | | | | | |
| 1 | 03/04/2019 | 03/08/2019 | IP 60856 | 001003 | Review of 10 CFR 72.212(b) Evaluations | 1 |

IP 22 Inspection Activity Plan Report

Davis-Besse

03/01/2018 - 12/31/2019

| Unit | Start | End | Activity | CAC | Title | Staff Count |
|---|------------|------------|--------------|--------|--|-------------|
| INSERVICE INSPECTION | | | | | | 1 |
| 1 | 03/03/2018 | 04/09/2018 | IP 71111.08P | 000702 | Inservice Inspection Activities - PWR | |
| RADIATION PROTECTION BASELINE INSPECTION | | | | | | 2 |
| 1 | 03/05/2018 | 03/09/2018 | IP 71124.01 | 000725 | Radiological Hazard Assessment and Exposure Controls | |
| 1 | 03/05/2018 | 03/09/2018 | IP 71124.02 | 000726 | Occupational ALARA Planning and Controls | |
| 1 | 03/05/2018 | 03/09/2018 | IP 71124.03 | 000727 | In-Plant Airborne Radioactivity Control and Mitigation | |
| 1 | 03/05/2018 | 03/09/2018 | IP 71124.04 | 000728 | Occupational Dose Assessment | |
| SECURITY BASELINE INSPECTION | | | | | | 1 |
| 1 | 03/26/2018 | 03/30/2018 | IP 71130.01 | 000733 | Access Authorization | |
| EP BASELINE INSPECTION / PI VERIFICATION | | | | | | 1 |
| 1 | 04/09/2018 | 04/13/2018 | IP 71114.02 | 000717 | Alert and Notification System Testing | |
| 1 | 04/09/2018 | 04/13/2018 | IP 71114.03 | 000718 | Emergency Response Organization Staffing and Augmentation System | |
| 1 | 04/09/2018 | 04/13/2018 | IP 71114.05 | 000720 | Correction of Emergency Preparedness Weaknesses and Deficiencies | |
| 1 | 04/09/2018 | 04/13/2018 | IP 71151 | 001397 | Performance Indicator Verification | |
| SECURITY BASELINE INSPECTION | | | | | | 1 |
| 1 | 05/21/2018 | 05/25/2018 | IP 71130.02 | 000734 | Access Control | |
| 1 | 05/21/2018 | 05/25/2018 | IP 71151 | 001338 | Performance Indicator Verification | |
| SECURITY BASELINE INSPECTION | | | | | | 2 |
| 1 | 07/09/2018 | 07/13/2018 | IP 71130.05 | 000737 | Protective Strategy Evaluation | |
| SECURITY BASELINE INSPECTION | | | | | | 2 |
| 1 | 09/03/2018 | 09/07/2018 | IP 71130.04 | 000736 | Equipment Performance, Testing, and Maintenance | |
| DBA TEAM INSPECTION | | | | | | 6 |
| 1 | 09/17/2018 | 10/05/2018 | IP 71111.21M | 000713 | Design Bases Assurance Inspection (Teams) | |
| RADIATION PROTECTION BASELINE INSPECTION | | | | | | 1 |
| 1 | 10/15/2018 | 10/19/2018 | IP 71124.02 | 000726 | Occupational ALARA Planning and Controls | |
| BIENNIAL REQUAL PROGRAM INSPECTION | | | | | | 2 |
| 1 | 12/03/2018 | 12/07/2018 | IP 71111.11B | 000704 | Licensed Operator Requalification Program and Licensed Operator Performance - Biennial | |

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

Davis-Besse

03/01/2018 - 12/31/2019

| Unit | Start | End | Activity | CAC | Title | Staff Count |
|--|------------|------------|---------------|--------|--|-------------|
| RADIATION PROTECTION BASELINE INSPECTION | | | | | | 1 |
| 1 | 01/28/2019 | 02/01/2019 | IP 71124.01 | 000725 | Radiological Hazard Assessment and Exposure Controls | |
| ISFSI Preoperational and Initial Loading Inspection | | | | | | 4 |
| 1 | 03/18/2019 | 03/22/2019 | IP 60856.1 | 001002 | Review of 10 CFR 72.212(b) Evaluations at Operating Plants | |
| 1 | 09/16/2019 | 09/20/2019 | IP 60854.1 | 000589 | Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants | |
| 1 | 09/23/2019 | 09/27/2019 | IP 60854.1 | 000589 | Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants | |
| 1 | 10/14/2019 | 10/18/2019 | IP 60855.1 | 000590 | Operation of an Independent Spent Fuel Storage Installation at Operating Plants | |
| TRIENNIAL FIRE PROTECTION INSPECTION | | | | | | 3 |
| 1 | 04/08/2019 | 05/10/2019 | IP 71111.05XT | 000697 | Fire Protection - NFPA 805 (Triennial) | |
| RADIATION PROTECTION BASELINE INSPECTION | | | | | | 1 |
| 1 | 04/08/2019 | 04/12/2019 | IP 71124.05 | 000729 | Radiation Monitoring Instrumentation | |
| SECURITY BASELINE INSPECTION | | | | | | 1 |
| 1 | 04/08/2019 | 04/12/2019 | IP 71130.02 | 000734 | Access Control | |
| 1 | 04/08/2019 | 04/12/2019 | IP 71130.06 | 000738 | Protection of Safeguards Information | |
| EP EXERCISE INSPECTION / PI VERIFICATION | | | | | | 2 |
| 1 | 04/15/2019 | 04/19/2019 | IP 71114.01 | 000716 | Exercise Evaluation | |
| 1 | 04/15/2019 | 04/19/2019 | IP 71114.06 | 000721 | Drill Evaluation | |
| 1 | 04/15/2019 | 04/19/2019 | IP 71151 | 001397 | Performance Indicator Verification | |
| RADIATION PROTECTION BASELINE INSPECTION | | | | | | 2 |
| 1 | 07/08/2019 | 07/12/2019 | IP 71124.06 | 000730 | Radioactive Gaseous and Liquid Effluent Treatment | |
| 1 | 07/08/2019 | 07/12/2019 | IP 71124.07 | 000731 | Radiological Environmental Monitoring Program | |
| SECURITY BASELINE INSPECTION | | | | | | 2 |
| 1 | 08/05/2019 | 08/09/2019 | IP 71130.07 | 000739 | Security Training | |
| 1 | 08/05/2019 | 08/09/2019 | IP 71130.14 | 000743 | Review of Power Reactor Target Sets | |
| 1 | 08/05/2019 | 08/09/2019 | IP 71151 | 001338 | Performance Indicator Verification | |
| BIENNIAL PI&R INSPECTION | | | | | | 1 |
| 1 | 08/05/2019 | 08/23/2019 | 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

Davis-Besse

03/01/2018 - 12/31/2019

| Unit | Start | End | Activity | CAC | Title | Staff Count |
|---|------------|------------|--------------|--------|---|-------------|
| DBA PROGRAMS (EQ) | | | | | | 3 |
| 1 | 10/21/2019 | 10/25/2019 | IP 71111.21N | 000714 | Design Bases Assurance Inspection (Programs) | |
| 1 | 11/04/2019 | 11/08/2019 | IP 71111.21N | 000714 | Design Bases Assurance Inspection (Programs) | |
| RADIATION PROTECTION BASELINE INSPECTION | | | | | | 1 |
| 1 | 10/21/2019 | 10/25/2019 | IP 71124.08 | 000732 | Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation | |