



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

March 3, 2020

Mr. Mark Bezilla
Site Vice President
FirstEnergy Nuclear Operating Co.
Davis-Besse Nuclear Power Station
5501 N. State Rte. 2, Mail Stop A-DB-3080
Oak Harbor, OH 43449-9760

**SUBJECT: ANNUAL ASSESSMENT LETTER DAVIS-BESSE NUCLEAR POWER STATION
(REPORT 05000346/2019006)**

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, 2019 through December 31, 2019. 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 Davis-Besse Nuclear Power Station 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, 2021. 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. You should be aware that the agency is pursuing potential changes to the 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. 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.

Additionally, during this period the NRC will schedule and perform inspections per a revised version of Temporary Instruction (TI) 2515/194, "Inspection of the Licensee's Implementation of Industry Initiative Associated with the Open Phase Condition Design Vulnerability in Electrical Power Systems (NRC Bulletin 2012-01)" based on licensee risk evaluation completion and related NRR inspection guidance.

This letter, its enclosure, and your response (if any) 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 me at 630-829-9827 with any questions you have regarding this letter.

Sincerely,

/RA/

Billy C. Dickson, Jr., Chief
Branch 2
Division of Reactor Projects

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

Enclosure:
Inspection Plan

cc: Distribution via LISTSERV®

Letter to Mark Bezilla from Billy Dickson dated March 3, 2020.

SUBJECT: ANNUAL ASSESSMENT LETTER DAVIS-BESSE NUCLEAR POWER STATION
(REPORT 05000346/2019006)

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| OFFICE | RIII | | | | |
| NAME | BDickson:wc | | | | |
| DATE | 3/2/2020 | | | | |

OFFICIAL RECORD COPY

IP 22 Inspection Activity Plan Report

Davis-Besse

03/01/2020 - 12/31/2021

| Unit | Start | End | Activity | CAC | Title | Staff Count |
|--|------------|------------|--------------|--------|---|-------------|
| Inservice Inspection | | | | | | 1 |
| 1 | 03/02/2020 | 03/20/2020 | IP 71111.08P | 000702 | Inservice Inspection Activities (PWR) | |
| Radiation Protection Baseline Inspection | | | | | | 1 |
| 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 | |
| Security Baseline Inspection | | | | | | 1 |
| 1 | 03/16/2020 | 03/20/2020 | IP 71130.04 | 000736 | Equipment Performance, Testing, and Maintenance | |
| Cyber Security Inspection | | | | | | 4 |
| 1 | 07/27/2020 | 08/14/2020 | IP 71130.10P | 000741 | Cyber Security | |
| Security Baseline Inspection | | | | | | 1 |
| 1 | 08/24/2020 | 08/28/2020 | IP 71130.02 | 000734 | Access Control | |
| 1 | 09/14/2020 | 09/18/2020 | IP 71130.02 | 000734 | Access Control | |
| Force-on-Force Planning and Exercises | | | | | | 6 |
| 1 | 08/24/2020 | 08/28/2020 | IP 71130.03 | 000735 | Contingency Response - Force-On-Force Testing | |
| 1 | 09/14/2020 | 09/18/2020 | IP 71130.03 | 000735 | Contingency Response - Force-On-Force Testing | |
| Radiation Protection Baseline Inspection | | | | | | 1 |
| 1 | 09/21/2020 | 09/25/2020 | IP 71124.05 | 000729 | Radiation Monitoring Instrumentation | |
| Evaluations of Changes, Tests, and Experiments Inspection | | | | | | 3 |
| 1 | 11/16/2020 | 11/20/2020 | IP 71111.17T | 000709 | Evaluations of Changes, Tests, and Experiments | |
| Davis-Besse Biennial Licensed Operator Requalification Program Inspection | | | | | | 2 |
| 1 | 11/30/2020 | 12/04/2020 | IP 71111.11B | 000704 | Licensed Operator Requalification Program and Licensed Operator Performance | |
| DB 2021 SROu Exam | | | | | | 3 |
| 1 | 01/10/2021 | 01/16/2021 | OV | 000956 | VALIDATION OF INITIAL LICENSE EXAMINATION (OV) | |
| 1 | 01/31/2021 | 02/06/2021 | EXAD | 000500 | LICENSE EXAM ADMINISTRATION (EXAD) | |
| Corporate Security Baseline Inspection | | | | | | 1 |
| 1 | 02/08/2021 | 02/12/2021 | IP 71130.01 | 000733 | Access Authorization | |

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

03/01/2020 - 12/31/2021

| Unit | Start | End | Activity | CAC | Title | Staff Count |
|--|------------|------------|--------------|--------|---|-------------|
| Radiation Protection Baseline Inspection | | | | | | 1 |
| 1 | 02/22/2021 | 02/26/2021 | IP 71124.03 | 000727 | In-Plant Airborne Radioactivity Control and Mitigation | |
| 1 | 02/22/2021 | 02/26/2021 | IP 71124.04 | 000728 | Occupational Dose Assessment | |
| Security Baseline Inspection | | | | | | 1 |
| 1 | 03/22/2021 | 03/26/2021 | IP 71130.07 | 000739 | Security Training | |
| 1 | 03/22/2021 | 03/26/2021 | IP 71151 | 001338 | Performance Indicator Verification | |
| Radiation Protection Baseline Inspection | | | | | | 1 |
| 1 | 04/05/2021 | 04/09/2021 | IP 71124.02 | 000726 | Occupational ALARA Planning and Controls | |
| Emergency Preparedness Exercise Inspection / Performance Indicator Verification | | | | | | 4 |
| 1 | 05/03/2021 | 05/07/2021 | IP 71114.01 | 000716 | Exercise Evaluation | |
| 1 | 05/03/2021 | 05/07/2021 | IP 71151 | 001397 | Performance Indicator Verification | |
| License Renewal Phase 3 | | | | | | 1 |
| 1 | 05/17/2021 | 05/21/2021 | IP 71003 | 000687 | Post-Approval Site Inspection for License Renewal | |
| Radiation Protection Baseline Inspection | | | | | | 1 |
| 1 | 06/28/2021 | 07/30/2021 | IP 71124.07 | 000731 | Radiological Environmental Monitoring Program | |
| Security Baseline Inspection | | | | | | 1 |
| 1 | 08/23/2021 | 08/27/2021 | IP 71130.02 | 000734 | Access Control | |
| 1 | 08/23/2021 | 08/27/2021 | IP 71130.05 | 000737 | Protective Strategy Evaluation | |
| Design Bases Assurance Inspection (Team) | | | | | | 6 |
| 1 | 10/04/2021 | 10/22/2021 | IP 71111.21M | 000713 | Design Bases Assurance Inspection (Teams) | |
| ISFSI Program Review Inspection 4Q2021 | | | | | | 1 |
| 1 | 11/08/2021 | 11/12/2021 | IP 60855.1 | 000590 | Operation of an Independent Spent Fuel Storage Installation at Operating Plants | |
| Radiation Protection Baseline Inspection | | | | | | 1 |
| 1 | 11/15/2021 | 11/19/2021 | IP 71124.08 | 000732 | Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation | |