



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

September 1, 2015

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

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR DAVIS-BESSE NUCLEAR POWER
STATION (REPORT 05000346/2015005)**

Dear Mr. Boles:

On August 13, 2015, the U. S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of Davis-Besse Nuclear Power Station. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2014, through June 30, 2015. 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 determined the performance at Davis-Besse Nuclear Power Station during the most recent quarter was within the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because of one or more greater-than-green Security Cornerstone inputs as described in NRC Inspection Reports 05000346/2014406 (ADAMS Accession Number ML14261A137) sent on September 18, 2014, and 05000346/2014407 (ADAMS Accession Number ML14296A008) sent on October 22, 2014. The NRC reviewed your actions for addressing the inputs and documented the results in NRC Inspection Report 05000346/2015404 (ADAMS Accession Number ML15167A512) sent on June 16, 2015. That letter also advised you that the Davis-Besse Nuclear Power Station would return to the Licensee Response Column in the third quarter of 2015.

The enclosed inspection plan lists the inspections scheduled through December 31, 2017. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the second half of the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

The NRC will be performing a license renewal Phase 1 inspection in accordance with Inspection Procedure 71013, "Site Inspection for Plants with a Timely Renewal Application." The inspection is scheduled to start during the week of February 1, 2016.

In response to the accident at Fukushima, the Commission issued Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," which requires licensees to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities following a beyond-design-basis external event. Additionally, the Commission issued Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," which requires licensees to have a reliable means of remotely monitoring wide-range Spent Fuel Pool levels to support effective prioritization of event mitigation and recovery actions in the event of a beyond-design-basis external event. The NRC is conducting audits of licensee efforts towards compliance with these Orders. This audit includes an onsite component in order for the NRC to evaluate licensee plans for complying with the Orders, as described in site-specific submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to a declaration of compliance for the first unit at each site, and will aid staff in development of an ultimate Safety Evaluation for the site. The date for the onsite component at your site is being coordinated with your staff. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

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 NRC's 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 Mr. Jamnes Cameron, DRP, Chief, Branch 4, 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:
Davis-Besse Nuclear Power Station
Inspection Plan

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Docket No. 50-346
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Enclosure:
 Davis-Besse Nuclear Power Station
 Inspection Plan

cc w/encl: Distribution via LISTSERV®

ADAMS Accession Number:

Publicly Available Non-Publicly Available Sensitive Non-Sensitive

| | | | | |
|--------|---------------|-----------|-----------|------|
| OFFICE | RIII | RIII | RIII | RIII |
| NAME | JRutkowski:tr | JCameron | PLoudon | |
| DATE | 8/21/2015 | 8/24/2015 | 8/27/2015 | |

OFFICIAL RECORD COPY

Letter to Brian Boles from Patrick Louden dated September 1, 2015

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR DAVIS-BESSE NUCLEAR POWER
STATION (REPORT 05000346/2015005)

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Davis-Besse
Inspection / Activity Plan
09/01/2015 - 12/31/2017

| Unit Number | Planned Dates | | Inspection Activity | Title | No. of Staff on Site |
|-------------|---------------|------------|---|---|----------------------|
| | Start | End | | | |
| | | | STRIKE - STRIKE PREPARATIONS | | 1 |
| 1 | 10/01/2015 | 11/01/2015 | IP 92709 | Licensee Strike Contingency Plans | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1 | 11/16/2015 | 11/20/2015 | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |
| 1 | 11/16/2015 | 11/20/2015 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| | | | RENEWAL - LICENSE RENEWAL INSPECTION 71013 PHASE 1 | | 3 |
| 1 | 03/28/2016 | 04/08/2016 | IP 71013 | Site Inspections at Plants with Timely Renewal Applications | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1 | 03/28/2016 | 04/15/2016 | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |
| | | | ENG BI - INSERVICE INSPECTION | | 2 |
| 1 | 03/26/2016 | 05/13/2016 | IP 7111108P | Inservice Inspection Activities - PWR | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1 | 04/25/2016 | 04/29/2016 | IP 71124.08 | Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation | |
| | | | OL PREP - INIT PREP/MAY 2016 | | 3 |
| 1 | 05/16/2016 | 05/20/2016 | W90344 | OL - INITIAL EXAM - 2016 MAY-JUNE - DAVIS-BESSE | |
| | | | OL EXAM - INIT EXAM/JUNE 2016 | | 3 |
| 1 | 06/13/2016 | 06/24/2016 | W90344 | OL - INITIAL EXAM - 2016 MAY-JUNE - DAVIS-BESSE | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1 | 09/26/2016 | 09/30/2016 | IP 71124.07 | Radiological Environmental Monitoring Program | |
| 1 | 09/26/2016 | 09/30/2016 | IP 71151 | Performance Indicator Verification | |
| | | | BI EP - EP BASELINE INSPECTION / PI VERIFICATION | | 1 |
| 1 | 09/26/2016 | 09/30/2016 | IP 7111402 | Alert and Notification System Testing | |
| 1 | 09/26/2016 | 09/30/2016 | IP 7111403 | Emergency Preparedness Organization Staffing and Augmentation System | |
| 1 | 09/26/2016 | 09/30/2016 | IP 7111405 | Correction of Emergency Preparedness Weaknesses and Deficiencies | |
| 1 | 09/26/2016 | 09/30/2016 | IP 71151 | Performance Indicator Verification | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1 | 10/24/2016 | 10/28/2016 | IP 71124.05 | Radiation Monitoring Instrumentation | |
| | | | ENG BI - TRIENNIAL FIRE PROTECTION INSPECTION | | 5 |
| 1 | 10/31/2016 | 12/02/2016 | IP 7111105T | Fire Protection [Triennial] | |
| | | | BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION | | 2 |
| 1 | 11/28/2016 | 12/02/2016 | IP 7111111B | Licensed Operator Requalification Program | |
| | | | RENEWAL - LICENSE RENEWAL INSPECTION | | 1 |
| 1 | 01/23/2017 | 02/10/2017 | IP 71002 | License Renewal Inspection | |

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

Davis-Besse
Inspection / Activity Plan
09/01/2015 - 12/31/2017

| Unit Number | Planned Dates | | Inspection Activity | Title | No. of Staff on Site |
|-------------|---------------|------------|---|---|----------------------|
| | Start | End | | | |
| | | | TI191 - FLEX/MITIGATING STRATEGIES/SFPI | | 4 |
| 1 | 03/06/2017 | 03/10/2017 | IP 2515/191 | Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012 | |
| | | | BI ENG - TRIENNIAL HEAT SINK INSPECTION | | 2 |
| 1 | 03/20/2017 | 03/24/2017 | IP 7111107T | Heat Sink Performance | |
| | | | BI EP - EP EXERCISE INSPECTION / PI VERIFICATION | | 5 |
| 1 | 03/27/2017 | 03/31/2017 | IP 7111401 | Exercise Evaluation | |
| 1 | 03/27/2017 | 03/31/2017 | IP 7111406 | Drill Evaluation | |
| 1 | 03/27/2017 | 03/31/2017 | IP 7111408 | Exercise Evaluation – Scenario Review | |
| 1 | 03/27/2017 | 03/31/2017 | IP 71151 | Performance Indicator Verification | |
| | | | BI PI&R - BIENNIAL PI&R INSPECTION | | 4 |
| 1 | 05/01/2017 | 05/19/2017 | IP 71152B | Problem Identification and Resolution | |
| | | | BI MODS - TRIENNIAL MODIFICATIONS/50.59 INSPECTION | | 3 |
| 1 | 09/18/2017 | 10/06/2017 | IP 7111117T | Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications | |
| | | | OL PREP - INIT EXAM/DEC 2017 | | 3 |
| 1 | 11/13/2017 | 11/17/2017 | W90353 | OL - INITIAL EXAM - 2017 NOV-DEC - DAVIS-BESSE | |
| | | | OL EXAM - INIT EXAM/DEC 2017 | | 3 |
| 1 | 12/04/2017 | 12/15/2017 | W90353 | OL - INITIAL EXAM - 2017 NOV-DEC - DAVIS-BESSE | |

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