



**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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 Inspection Plan

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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	

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This report shows only on-site and announced inspection procedures.