



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, IL 60532-4352

March 2, 2016

Mr. Brian D. Boles
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 FOR DAVIS-BESSE NUCLEAR POWER
STATION (REPORT 05000346/2015006)**

Dear Mr. Boles:

On February 10, 2016, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-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 January 1, 2015, through December 31, 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 Inspection Report 05000346/2015409 sent on January 25, 2016. In the third quarter of 2015, Davis-Besse Nuclear Power Station was within the Licensee Response Column of the NRC's ROP Action Matrix after exiting the Regulatory Response Column at the end of the second quarter of 2015.

Therefore, in addition to ROP baseline inspections, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area," to be scheduled upon your notification to us that you are ready for that inspection. The purpose of the inspection is to provide assurance that: (1) the root causes and contributing causes of risk-significant performance issues are understood; (2) the extent of condition and extent of cause of risk-significant performance issues are identified; and (3) your corrective actions for risk-significant performance issues are sufficient to address the root and contributing causes and prevent recurrence.

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 last 9 months of the inspection plan are tentative and may be revised at the mid-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 inspection schedule includes a post-license renewal inspection in accordance with Inspection Procedure 71003, "Post-Approval Site Inspection for License Renewal," and an inspection in accordance with Inspection Procedure 7111105T, "Fire Protection (Triennial)."

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." This Order 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." This Order 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. The audit was completed for Davis-Besse Nuclear Power Station, and the information gathered will aid staff in development of the Safety Evaluation for the site. After the NRC staff receives the Final Compliance letter for the site, the Final Safety Evaluation will be issued. Then, the NRC staff will confirm through inspections the full implementation of the orders mentioned above by performing TI 191, "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans."

In accordance with 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 document 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 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®

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ADAMS Accession Number: ML16060A258

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OFFICE	RIII	RIII		
NAME	JCameron:bw	PLoudon		
DATE	02/24/16	02/26/16		

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Letter to Brian Boles from Patrick L. Loudon dated March 2, 2016

SUBJECT: ANNUAL ASSESSMENT LETTER FOR DAVIS-BESSE NUCLEAR POWER
STATION (REPORT 05000346/2015006)

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Davis-Besse
Inspection / Activity Plan
03/01/2016 - 12/31/2017

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	04/04/2016	04/15/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			ENG BI - INSERVICE INSPECTION		1
1	03/28/2016	05/13/2016	IP 7111108P	Inservice Inspection Activities - PWR	
			RENEWAL - LICENSE RENEWAL INSPECTION 71003 PHASE 1		3
1	03/28/2016	04/08/2016	IP 71003	Post-Approval Site Inspection for License Renewal	
			OL PREP - INIT PREP/MAY 2016		3
1	05/16/2016	05/20/2016	W90344	OL - INITIAL EXAM - 2016 MAY-JUNE - DAVIS-BESSE	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	06/13/2016	06/17/2016	IP 71124.07	Radiological Environmental Monitoring Program	
1	06/13/2016	06/17/2016	IP 71151	Performance Indicator Verification	
			OL EXAM - INIT EXAM/JUNE 2016		3
1	06/13/2016	06/24/2016	W90344	OL - INITIAL EXAM - 2016 MAY-JUNE - DAVIS-BESSE	
			ISFSI - 72.212 REVIEW AND CALC REVIEW - HEAVY LO		1
1	09/01/2016	09/30/2016	IP 60856.1	Review of 10 CFR 72.212(b) Evaluations at Operating Plants	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	09/26/2016	09/30/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	09/26/2016	09/30/2016	IP 71124.04	Occupational Dose Assessment	
			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	
			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	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	12/12/2016	12/16/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	12/12/2016	12/16/2016	IP 71124.02	Occupational ALARA Planning and Controls	
			ISFI - FUEL CASK LOADING CAMPAIGN		2
1	01/01/2017	03/31/2017	IP 60856	Review of 10 CFR 72.212(b) Evaluations	
1	03/01/2017	04/30/2017	IP 60854.1	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants	

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

Davis-Besse
Inspection / Activity Plan
03/01/2016 - 12/31/2017

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	Start	End			
			ISFI - FUEL CASK LOADING CAMPAIGN		2
1	04/01/2017	05/30/2017	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			RENEWAL - LICENSE RENEWAL INSPECTION 71003 PHASE 2		1
1	01/23/2017	02/10/2017	IP 71003	Post-Approval Site Inspection for License Renewal	
			TI191 - FLEX/MITIGATING STRATEGIES/SFPI		4
1	04/24/2017	04/28/2017	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	05/01/2017	05/07/2017	IP 7111401	Exercise Evaluation	
1	05/01/2017	05/07/2017	IP 7111406	Drill Evaluation	
1	05/01/2017	05/07/2017	IP 7111408	Exercise Evaluation – Scenario Review	
1	05/01/2017	05/07/2017	IP 71151	Performance Indicator Verification	
			BI PI&R - BIENNIAL PI&R INSPECTION		4
1	07/17/2017	08/04/2017	IP 71152B	Problem Identification and Resolution	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	05/22/2017	05/26/2017	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	06/12/2017	06/16/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	08/14/2017	08/18/2017	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			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	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	10/23/2017	10/27/2017	IP 71124.05	Radiation Monitoring Instrumentation	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	11/13/2017	11/17/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			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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