



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

September 2, 2014

Mr. Raymond Lieb
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**

Dear Mr. Lieb:

On August 5, 2014, 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, 2013 through June 30, 2014. 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 that overall, Davis-Besse was operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Davis-Besse Nuclear Power Station during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

During the fourth quarter of 2013, of Davis-Besse Nuclear Power Station was within the Regulatory Response Column of the NRC's ROP Action Matrix because of one or more greater-than-green Security Cornerstone inputs described in NRC Inspection Reports 05000346/2012405 and 05000346/2012403 dated November 8, 2012, and September 7, 2012, respectively. In response to these Action Matrix inputs, the NRC informed you that a supplemental inspection would be required. On September 6, 2013, you informed the NRC that the station was ready for the supplemental inspection.

NRC Inspection Report 05000346/2013408, dated December 19, 2013, advised you that the supplemental inspection was satisfactorily completed and that the NRC determined that completed or planned corrective actions were sufficient to address the performance that led to the one or more greater-than-green Security Cornerstone inputs. As a result, the NRC determined that the inputs would be closed and the performance issues would not be

considered as Action Matrix inputs as of December 19, 2013. Thus, the NRC determined the performance at Davis-Besse Nuclear Power Station was considered to be in the Licensee Response Column of the ROP Action Matrix as of December 19, 2013.

As a result of the Safety Culture Common Language Initiative, the terminology and coding of cross-cutting aspects were revised. All cross-cutting aspects identified during inspections conducted in calendar year 2014 reflect this revision to Inspection Manual Chapter (IMC) 0310. Cross-cutting aspects identified in 2013 using the 2013 terminology were converted to the latest revision in accordance with the cross-reference in IMC 0310 during the mid-cycle assessment review and evaluated for cross-cutting themes and potential substantive cross-cutting issues in accordance with IMC 0305.

The enclosed inspection plan lists the inspections scheduled through December 31, 2015. 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 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 enclosed plan does include a triennial "Evaluations of Changes, Tests and Experiments and Permanent Plant Modifications" inspection per procedure 71111.17T, triennial "Component Design Basis" inspection per procedure 71111.21, and biennial "Problem Identification and Resolution" inspection per procedure 71152.

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.

R. Lieb

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In accordance with Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding," of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response (if any) will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records System (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 me at 630-829-9833 with any questions you have regarding this letter.

Sincerely,

/RA/

Jamnes L. Cameron, Chief
Branch 4
Division of Reactor Projects

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

Enclosure:
Davis-Besse Nuclear Power Station
Inspection/Activity Plan

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R. Lieb

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Inspection/Activity Plan

cc w/encl: Distribution via LISTSERV®

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Davis-Besse
Inspection / Activity Plan
09/01/2014 - 12/31/2015

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			BI MODS - MODIFICATIONS/50.59 INSPECTION		3
1	11/03/2014	11/21/2014	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	09/08/2014	09/12/2014	IP 71124.07	Radiological Environmental Monitoring Program	
1	09/08/2014	09/12/2014	IP 71151-BI01		
1	09/08/2014	09/12/2014	IP 71151-OR01		
1	09/08/2014	09/12/2014	IP 71151-PR01		
			ISFSI - ISFSI OPERATION AT A REACTOR SITE		1
1	11/01/2014	11/30/2014	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	12/01/2014	12/05/2014	IP 71124.05	Radiation Monitoring Instrumentation	
			BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION		2
1	12/08/2014	12/12/2014	IP 7111111B	Licensed Operator Requalification Program	
			BI ENG - COMPONENT DESIGN BASIS INSPECTION		6
1	01/26/2015	02/27/2015	IP 7111121	Component Design Bases Inspection	
			BI EPX - EP EXERCISE INSPECTION / PI VERIFICATION		2
1	05/04/2015	05/08/2015	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	
1	05/04/2015	05/08/2015	IP 71151	Performance Indicator Verification	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	02/23/2015	02/27/2015	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			71152B - BIENNIAL PI&R		4
1	03/23/2015	04/10/2015	IP 71152B	Problem Identification and Resolution	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	04/20/2015	04/24/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	04/20/2015	04/24/2015	IP 71124.04	Occupational Dose Assessment	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	05/04/2015	05/08/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1	05/04/2015	05/08/2015	IP 71151-BI01		
1	05/04/2015	05/08/2015	IP 71151-OR01		
1	05/04/2015	05/08/2015	IP 71151-PR01		
			OL PREP - INIT EXAM/JUNE 2015		2
1	05/18/2015	05/22/2015	W90327	OL - INITIAL EXAM - 2015 JUN-JUL - DAVIS-BESSE	

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

Davis-Besse
Inspection / Activity Plan
09/01/2014 - 12/31/2015

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			OL EXAM - INIT EXAM/JUNE 2015		3
1	06/15/2015	06/26/2015	W90327	OL - INITIAL EXAM - 2015 JUN-JUL - DAVIS-BESSE	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	11/02/2015	11/06/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	11/02/2015	11/06/2015	IP 71124.02	Occupational ALARA Planning and Controls	

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