



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

March 5, 2012

Mr. Barry Allen
Site Vice President
FirstEnergy Nuclear Operating Company
Davis-Besse Nuclear Power Station
5501 North State Route 2, Mail Stop A-DB-3080
Oak Harbor, OH 43449-9760

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR DAVIS-BESSE NUCLEAR
POWER STATION UNIT 1 (05000346/2011007)**

Dear Mr. Allen:

On February 15, 2012, the 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, 2011, through December 31, 2011. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined that overall, Davis-Besse operated in a manner that preserved public health and safety and fully met all cornerstone objectives. The NRC determined the performance at Davis-Besse 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. In addition to the ROP baseline, inspections are planned for Temporary Instruction (TI) 2515/182 Phase I, "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping," TI 2515/177, "Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, and Containment Spray Systems," and Inspection Procedure (IP) 71007, "Reactor Vessel Head Replacement Inspection."

The NRC identifies substantive cross-cutting issues (SCCIs) to communicate a concern with the licensee's performance in a cross-cutting area and to encourage the licensee to take appropriate actions before more significant performance issues emerge. The NRC identified a cross-cutting theme in the Resources component of the Human Performance cross-cutting area. Specifically, five findings were identified with the cross-cutting aspect of Documentation and Procedures [H.2(c)]. The NRC determined that an SCCI exists because the NRC has a concern with your staff's scope of effort and progress in addressing the cross-cutting theme.

In particular, corrective actions taken in 2010 regarding H.2(c) events appear to have been ineffective. Similarly, a limited apparent cause evaluation focusing on H.2(c) completed in August 2011 did not identify any common causes and recommended no additional corrective actions be taken. The human performance substantive cross-cutting issue in the H.2(c) aspect will remain open until the number of findings in the H.2(c) aspect is reduced and you demonstrate the implementation of effective corrective actions that result in sustained performance improvement in the human performance area.

The enclosed inspection plan lists the inspections scheduled through June 30, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine 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.

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 Jamnes Cameron at 630-829-9833 with any questions you have regarding this letter.

Sincerely,

/RA by Gary L. Shear for/

Steven West, Director
Division of Reactor Projects

Docket Nos. 50-346
License Nos. NPF-3

Enclosure: Davis-Besse Inspection/Activity Plan

cc w/encl: Distribution via ListServ

Davis-Besse
Inspection / Activity Plan
01/01/2012 - 06/30/2013

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		TI-182 - TI-2515/182 PHASE I - BURIED PIPING		1
01/09/2012	01/11/2012	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
		HEAD - CONTINUATION OF HEAD REPLACEMENT INSPECT		4
01/01/2012	02/29/2012	IP 71007	Reactor Vessel Head Replacement Inspection	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
01/09/2012	01/13/2012	IP 71124.02	Occupational ALARA Planning and Controls	
01/09/2012	01/13/2012	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
		SB R/C - SHIELD BUILDING CRACKING ROOT CAUSE INSP		4
02/21/2012	07/27/2012	IP 71007	Reactor Vessel Head Replacement Inspection	
		BI EPR - EP ROUTINE INSPECTION / PI VERIFICATION		1
03/26/2012	03/30/2012	IP 7111402	Alert and Notification System Testing	
03/26/2012	03/30/2012	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
03/26/2012	03/30/2012	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
03/26/2012	03/30/2012	IP 71151	Performance Indicator Verification	
		BI ISI - INSERVICE INSPECTION		1
05/06/2012	06/04/2012	IP 7111108P	Inservice Inspection Activities - PWR	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
05/14/2012	05/18/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
05/14/2012	05/18/2012	IP 71124.02	Occupational ALARA Planning and Controls	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
06/11/2012	06/15/2012	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
06/11/2012	06/15/2012	IP 71124.07	Radiological Environmental Monitoring Program	
06/11/2012	06/15/2012	IP 71151-BI01	Reactor Coolant System Activity	
06/11/2012	06/15/2012	IP 71151-OR01	Occupational Exposure Control Effectiveness	
06/11/2012	06/15/2012	IP 71151-PR01	RETS/ODCM Radiological Effluent	
		BI CDBI - COMPONENT DESIGN BASES INSPECTION		6
08/13/2012	09/14/2012	IP 7111121	Component Design Bases Inspection	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
08/20/2012	08/24/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
08/20/2012	08/24/2012	IP 71124.04	Occupational Dose Assessment	
		ISFSI - ISFSI INSPECTION - SCHEDULE DEPENDENT		1
10/01/2012	11/30/2012	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	

Davis-Besse
Inspection / Activity Plan
01/01/2012 - 06/30/2013

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		TI-177 - TI-2515/177 - GAS VOIDING IN ECCS PIPING		2
10/15/2012	11/02/2012	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
		STRIKE - STRIKE CONTINGENCY - OPS/MAINT/RP		3
10/15/2012	11/01/2012	IP 92709	Licensee Strike Contingency Plans	
		BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION		2
11/26/2012	11/30/2012	IP 7111111B	Licensed Operator Requalification Program	
		BI FIRE - FIRE PROTECTION INSPECTION & BAG TRIP		3
02/25/2013	03/29/2013	IP 7111105T	Fire Protection [Triennial]	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
01/07/2013	01/11/2013	IP 71124.05	Radiation Monitoring Instrumentation	
		BI EPX - EP EXERCISE INSPECTION / PI VERIFICATION		2
05/13/2013	05/17/2013	IP 7111401	Exercise Evaluation	
05/13/2013	05/17/2013	IP 71151	Performance Indicator Verification	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
05/06/2013	05/10/2013	IP 71124.02	Occupational ALARA Planning and Controls	
05/06/2013	05/10/2013	IP 71151-BI01	Reactor Coolant System Activity	
05/06/2013	05/10/2013	IP 71151-OR01	Occupational Exposure Control Effectiveness	
05/06/2013	05/10/2013	IP 71151-PR01	RETS/ODCM Radiological Effluent	
		OL PREP - DAVIS-BESSE INIT PREP - 05/2013		3
05/13/2013	05/17/2013	W90284	OL - INITIAL EXAM - 2013 MAY-JUNE - DAVIS-BESSE	
		OL EXAM - DAVIS-BESSE INIT EXAM - 06/2013		3
06/03/2013	06/14/2013	W90284	OL - INITIAL EXAM - 2013 MAY-JUNE - DAVIS-BESSE	

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Letter to B. Allen from S. West dated March 5, 2012

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POWER STATION UNIT 1 (05000346/2011007)

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