



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

March 4, 2015

Mr. Ernest Harkness
Site Vice President
FirstEnergy Nuclear Operating Company
Perry Nuclear Power Plant
P. O. Box 97, 10 Center Road, A-PY-A290
Perry, OH 44081-0097

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR PERRY NUCLEAR POWER PLANT
(REPORT 05000440/2014001)**

Dear Mr. Harkness:

On February 12, 2015, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Perry Nuclear Power Plant (Perry). The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2014, through December 31, 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, Perry operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Perry 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.

The enclosed inspection plan lists the inspections scheduled through June 30, 2016. Routine inspections performed by resident inspectors are not included in the inspection plan. Notable infrequent inspections planned include the biennial Problem Identification and Resolution Inspection and a Triennial Fire Protection inspection. 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. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence

The NRC on-site audit of licensee efforts towards compliance with Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," and Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," was completed in December 2014. Due to the

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number of open items still remaining open after the audit, an additional on-site review was conducted on March 3, 2015.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 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's Public Document Room or from the Publicly Available Records System (PARS) component of the 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 630-829-9618 with any questions you may have regarding this letter.

Sincerely,

/RA/

Michael Kunowski, Chief
Branch 5
Division of Reactor Projects

Docket No. 50-440
License No. NPF-58

Enclosure:
Perry Nuclear Power Plant
Inspection/Activity Plan

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Perry
Inspection / Activity Plan
03/01/2015 - 06/30/2016

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			BI ISI - ISI INSPECTION		1
1	03/09/2015	03/29/2015	IP 7111108G	Inservice Inspection Activities - BWR	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		2
1	03/30/2015	04/03/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	03/30/2015	04/03/2015	IP 71124.02	Occupational ALARA Planning and Controls	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		2
1	05/04/2015	05/08/2015	IP 71124.05	Radiation Monitoring Instrumentation	
1	05/04/2015	05/08/2015	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			BI HS - TRIENNIAL HEAT SINK INSPECTION		3
1	06/08/2015	06/12/2015	IP 7111107T	Heat Sink Performance	
			BI EPR - EP ROUTINE INSPECTION / PI VERIFICATION		2
1	07/06/2015	07/10/2015	IP 7111402	Alert and Notification System Testing	
1	07/06/2015	07/10/2015	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	07/06/2015	07/10/2015	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	07/06/2015	07/10/2015	IP 71151	Performance Indicator Verification	
			BI PIR - BIENNIAL PI&R INSPECTION		4
1	07/20/2015	08/07/2015	IP 71152B	Problem Identification and Resolution	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	08/31/2015	09/04/2015	IP 71124.07	Radiological Environmental Monitoring Program	
1	08/31/2015	09/04/2015	IP 71151	Performance Indicator Verification	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	09/14/2015	09/18/2015	IP 71124.02	Occupational ALARA Planning and Controls	
			BI FIRE - FIRE PROTECTION INSPECTION & BAG TRIP		5
1	09/21/2015	10/23/2015	IP 7111105T	Fire Protection [Triennial]	
			STRIKE P - STRIKE PREPARATIONS		1
1	11/01/2015	11/20/2015	IP 92709	Licensee Strike Contingency Plans	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	03/07/2016	03/11/2016	IP 71124.05	Radiation Monitoring Instrumentation	
			ENG BI - MODIFICATIONS / 50.59 INSPECTION		3
1	05/09/2016	05/27/2016	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	05/16/2016	05/20/2016	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	

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

Perry
Inspection / Activity Plan
03/01/2015 - 06/30/2016

Unit Number	Planned Dates Start End		Inspection Activity	Title	No. of Staff on Site
1	06/27/2016	07/01/2016	BI RP IP 71124.01	- RADIATION PROTECTION BASELINE INSPECTION Radiological Hazard Assessment and Exposure Controls	1

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