



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I**  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

March 4, 2013

Mr. Paul A. Harden, Site Vice President  
FirstEnergy Nuclear Generation, LLC  
Beaver Valley Power Station  
P. O. Box 4, Route 168  
Shippingport, PA 15077-0004

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR BEAVER VALLEY UNITS 1 AND 2  
(05000334/2012001 AND 05000412/2012001)**

Dear Mr. Harden:

On February 13, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Beaver Valley Power Station Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2012 through December 31, 2012. 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 Beaver Valley Units 1 and 2 during the most recent quarter was within the Regulatory Response Column of NRC's Reactor Oversight Process (ROP) Action Matrix because of one or more greater-than-green Security Cornerstone inputs as described in NRC Inspection Report 05000334/2012404 and 05000412/2012404 sent on August 16, 2012. Beaver Valley Units 1 and 2 transitioned to the Regulatory Response Column beginning the third quarter of 2012 as documented in a letter issued by the NRC on December 14, 2012. Consistent with the graded approach in the NRC's Reactor Oversight Process, this change in performance from the Licensee Response Column to the Regulatory Response Column results in a corresponding increase in the NRC's inspection and assessment oversight. Therefore, in addition to ROP baseline inspections, the NRC plans to schedule and conduct a supplemental inspection in accordance with Inspection Procedure 95001, "Inspection for One or Two White Inputs in a Strategic Performance Area," after your staff has notified us of your readiness for this inspection. This inspection procedure is conducted to provide assurance that the root causes and contributing causes of risk significant performance issues are understood, the extent of condition is identified, and the corrective actions are sufficient to prevent recurrence.

The enclosed inspection plan lists the inspections scheduled through June 30, 2014. 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. In addition to baseline inspections, the NRC will perform Temporary Instruction (TI) 182, "Review of the Implementation of the Industry Initiative

to Control Degradation of Underground Piping and Tanks.” 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.

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 the NRC’s Agencywide Document 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 Gordon K. Hunegs at (610)337-5046 with any questions you have regarding this letter.

Sincerely,

**/RA/**

Darrell J. Roberts, Director  
Division of Reactor Projects

Docket Nos.: 50-334, 50-412  
License Nos.: DPR-66, NPF-73

Enclosure: Beaver Valley Inspection/Activity Plan

cc w/encl: Distribution via ListServ

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**Beaver Valley**  
**Inspection / Activity Plan**  
**01/01/2013 - 06/30/2014**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>EP - EP</b>		<b>4</b>
1,2	09/03/2013	09/06/2013	IP 7111402	Alert and Notification System Testing	
1,2	09/03/2013	09/06/2013	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1,2	09/03/2013	09/06/2013	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			<b>MODS - PERMANENT PLANT MODIFICATIONS</b>		<b>6</b>
1,2	01/28/2013	02/01/2013	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1,2	02/11/2013	02/15/2013	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			<b>71124 - OCC RADIATION SAFETY</b>		<b>1</b>
1,2	01/28/2013	02/01/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	01/28/2013	02/01/2013	IP 71124.02	Occupational ALARA Planning and Controls	
			<b>71124 - OCC RADIATION SAFETY</b>		<b>1</b>
1,2	04/01/2013	04/05/2013	IP 71124.07	Radiological Environmental Monitoring Program	
			<b>7111107T - TRIENNIAL HEAT SINK</b>		<b>1</b>
1,2	06/03/2013	06/07/2013	IP 7111107T	Heat Sink Performance	
			<b>7111111B - BV2 REQUAL INSPECTION WITH P/F RESULTS</b>		<b>2</b>
2	08/26/2013	08/30/2013	IP 7111111B	Licensed Operator Requalification Program	
			<b>71124 - OCC RADIATION SAFETY</b>		<b>1</b>
1,2	07/29/2013	08/02/2013	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>60853 - ISFSI PAD CONSTRUCTION</b>		<b>2</b>
1,2	09/01/2013	12/31/2013	IP 60853	On-Site Fabrication Of Components And Construction On An ISFSI	
			<b>71124 - OCC RADIATION SAFETY</b>		<b>1</b>
1,2	09/30/2013	10/04/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	09/30/2013	10/04/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	09/30/2013	10/04/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	09/30/2013	10/04/2013	IP 71124.04	Occupational Dose Assessment	
			<b>7111108P - U1 INSERVICE INSPECTION</b>		<b>1</b>
1	10/07/2013	10/18/2013	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>PI&amp;R - PI&amp;R TEAM</b>		<b>7</b>
1,2	11/18/2013	11/22/2013	IP 71152B	Problem Identification and Resolution	
1,2	12/02/2013	12/06/2013	IP 71152B	Problem Identification and Resolution	
			<b>TI 182 - DEGRADED UNDERGROUND PIPING - PHASE 2</b>		<b>1</b>
1,2	12/09/2013	12/13/2013	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	

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

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1,2	01/27/2014	01/31/2014	IP 71124.02	Occupational ALARA Planning and Controls	
<b>71124 - OCC RADIATION SAFETY</b>					<b>1</b>
1,2	04/21/2014	04/25/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	04/21/2014	04/25/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	04/21/2014	04/25/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	04/21/2014	04/25/2014	IP 71124.04	Occupational Dose Assessment	
<b>711108P - U2 INSERVICE INSPECTION</b>					<b>1</b>
2	04/28/2014	05/09/2014	IP 7111108P	Inservice Inspection Activities - PWR	
<b>EP EXER - EP EXERCISE INSPECTION</b>					<b>1</b>
1,2	06/16/2014	06/20/2014	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	

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