



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I**
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

March 5, 2012

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR BEAVER VALLEY POWER STATION
UNITS 1 AND 2 (REPORT 05000334/2011001 AND 05000412/2011001)**

Dear Mr. Harden:

On February 15, 2012, 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, 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, Beaver Valley Units 1 and 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Beaver Valley Units 1 and 2 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, 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. 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" and TI-177, "Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, and Containment Spray Systems (NRC Generic Letter 2008-01)." 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 me at 610-337-5046 with any questions you have regarding this letter.

Sincerely,

/RA/

Gordon K. Hunegs, Chief
Reactor Projects Branch 6
Division of Reactor Projects

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

Enclosure: Beaver Valley Units 1 and 2 Inspection/Activity Plan

cc: Distribution via ListServ

P. Harden

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NAME	SBarber/ SB	GHunegs/GKH	
DATE	02/ 28/12	02/29/12	

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Beaver Valley
Inspection / Activity Plan
 01/01/2012 - 06/30/2013

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
		4/8EXAM - BEAVER VALLEY 1 INITIAL EXAM		3
1	03/12/2012 03/16/2012	U01846	FY-12 BV1 INITIAL OPERATOR LICENSING EXAM	
1	04/09/2012 04/13/2012	U01846	FY-12 BV1 INITIAL OPERATOR LICENSING EXAM	
		71124 - OCC RADIATION SAFETY		1
1,2	02/27/2012 03/02/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	02/27/2012 03/02/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	02/27/2012 03/02/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	02/27/2012 03/02/2012	IP 71124.04	Occupational Dose Assessment	
		TI 182 - DEGRADATION OF UNDERGROUND PIPING		1
1,2	03/19/2012 03/23/2012	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
		7111108P - INSERVICE INSPECTION		1
1	04/16/2012 04/27/2012	IP 7111108P	Inservice Inspection Activities - PWR	
		71124 - OCC RADIATION SAFETY		1
1,2	04/23/2012 04/27/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	04/23/2012 04/27/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	04/23/2012 04/27/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	04/23/2012 04/27/2012	IP 71124.04	Occupational Dose Assessment	
		EP EX - EP EXERCISE EVALUATION		6
1,2	04/19/2012 06/22/2012	IP 7111401	Exercise Evaluation	
1,2	04/19/2012 06/22/2012	IP 71151	Performance Indicator Verification	
		9/24EXM - BV2 INITIAL EXAM		4
2	08/27/2012 08/31/2012	U01850	FY12-BV2 INITIAL OPERATOR LICENSING EXAM	
2	09/24/2012 10/05/2012	U01850	FY12-BV2 INITIAL OPERATOR LICENSING EXAM	
		7111111B - BV1 ON-SITE REQUAL INSP W/ P/F RESULTS		2
1,2	07/29/2012 08/02/2012	IP 7111111B	Licensed Operator Requalification Program	
		TRI FI - TRIENNIAL FIRE PROTECTION INSPECTION		10
1,2	07/23/2012 07/27/2012	IP 7111105P	Fire Protection-NFPA 805 Transition Period [Triennial]	
1,2	08/06/2012 08/10/2012	IP 7111105P	Fire Protection-NFPA 805 Transition Period [Triennial]	
		71124 - RADWASTE		1
1,2	08/13/2012 08/17/2012	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
		TI-177 - MANAGING GAS ACCUMULATION IN ECCS		3
1,2	09/10/2012 09/14/2012	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	

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

Beaver Valley
Inspection / Activity Plan

01/01/2012 - 06/30/2013

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			71124 - OCC RADIATION SAFETY		1
1,2	10/01/2012	10/05/2012	IP 60855	Operation Of An ISFSI	
1,2	10/01/2012	10/05/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	10/01/2012	10/05/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	10/01/2012	10/05/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	10/01/2012	10/05/2012	IP 71124.04	Occupational Dose Assessment	
			7111108P - INSERVICE INSPECTION		1
2	10/01/2012	10/05/2012	IP 7111108P	Inservice Inspection Activities - PWR	
2	10/15/2012	10/19/2012	IP 7111108P	Inservice Inspection Activities - PWR	
			71124 - HP INSTRUMENTATION		1
1,2	11/26/2012	11/30/2012	IP 71124.05	Radiation Monitoring Instrumentation	
			MODS - PERMANENT PLANT MODIFICATIONS		4
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	
			EP PROGR - EP PROGRAM INSPECTION		1
1,2	03/25/2013	03/29/2013	IP 7111402	Alert and Notification System Testing	
1,2	03/25/2013	03/29/2013	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1,2	03/25/2013	03/29/2013	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	03/25/2013	03/29/2013	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			71124 - OCC RADIATION SAFETY		1
1,2	04/01/2013	04/05/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	04/01/2013	04/05/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	04/01/2013	04/05/2013	IP 71124.04	Occupational Dose Assessment	
			7111107T - TRIENNIAL HEAT SINK		1
1,2	05/13/2013	05/17/2013	IP 7111107T	Heat Sink Performance	
			71124 - RADIO EFFLUENTS		1
1,2	06/10/2013	06/14/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			71124 - REMP		1
1,2	06/24/2013	06/28/2013	IP 71124.07	Radiological Environmental Monitoring Program	

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