



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

March 4, 2011

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

SUBJECT: ANNUAL ASSESSMENT LETTER FOR BEAVER VALLEY UNITS 1 AND 2
(REPORT 05000334/2010001 AND 05000412/2010001)

Dear Mr. Harden:

On February 11, 2011, the Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Beaver Valley 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, 2010 through December 31, 2010. 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, 2012. 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.

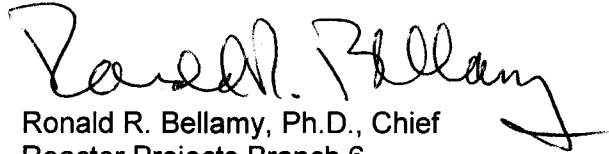
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P. Harden

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Please contact me at 610-337-5200 with any questions you have regarding this letter.

Sincerely,

A handwritten signature in black ink, appearing to read "Ronald R. Bellamy". The signature is fluid and cursive, with a long horizontal stroke at the end.

Ronald R. Bellamy, Ph.D., Chief
Reactor Projects Branch 6
Division of Reactor Projects

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

cc w/encl: Distribution via ListServ
Beaver Valley Units 1 and 2 Inspection/Activity Plan

Please contact me at 610-337-5200 with any questions you have regarding this letter.

Sincerely,
/RA/
Ronald R. Bellamy, Ph.D., Chief
Reactor Projects Branch 6
Division of Reactor Projects

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

cc w/encl: Distribution via ListServ
Beaver Valley Units 1 and 2 Inspection/Activity Plan

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NAME	DWerkheiser/DW	SBarber/SB	RBellamy/RRB
DATE	02/ 22/11	02/24/11	02/28/11

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Beaver Valley
Inspection / Activity Plan
 01/01/2011 - 06/30/2012

Unit Number	Planned Start	Planned End	Inspection Activity	Title	No. of Staff on Site
			71124 - OCC RAD SAFETY		1
1,2	02/14/2011	02/18/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	02/14/2011	02/18/2011	IP 71124.02	Occupational ALARA Planning and Controls	
			7111108P - U2 INSERVICE INSPECTION		1
2	03/14/2011	03/25/2011	IP 7111108P	Inservice Inspection Activities - PWR	
			71124 - OCC RAD SAFETY		1
1,2	03/21/2011	03/25/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	03/21/2011	03/25/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	03/21/2011	03/25/2011	IP 71124.04	Occupational Dose Assessment	
			EP PROGR - EP PROGRAM INSPECTION		1
1,2	05/16/2011	05/20/2011	IP 7111402	Alert and Notification System Testing	
1,2	05/16/2011	05/20/2011	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1,2	05/16/2011	05/20/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	05/16/2011	05/20/2011	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1,2	05/16/2011	05/20/2011	IP 71151-EP01	Drill/Exercise Performance	
1,2	05/16/2011	05/20/2011	IP 71151-EP02	ERO Drill Participation	
1,2	05/16/2011	05/20/2011	IP 71151-EP03	Alert & Notification System	
			7111121 - CDBI		7
1,2	05/23/2011	05/28/2011	IP 7111121	Component Design Bases Inspection	
1,2	06/06/2011	06/10/2011	IP 7111121	Component Design Bases Inspection	
1,2	06/13/2011	06/17/2011	IP 7111121	Component Design Bases Inspection	
			71124 - EFFLUENTS		1
1,2	06/20/2011	06/24/2011	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			71124 - OCC RAD SAFETY - REMP		1
1,2	07/18/2011	07/22/2011	IP 71124.07	Radiological Environmental Monitoring Program	
			TI-177 - MANAGING GAS ACCUMULATION IN ECCS		3
1,2	07/18/2011	07/22/2011	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
			711111B - BV2 REQUAL INSP W/ P/F RESULTS		2
2	10/17/2011	10/21/2011	IP 7111111B	Licensed Operator Requalification Program	
			71152B - PI&R		7
1	08/29/2011	09/02/2011	IP 71152B	Identification and Resolution of Problems	
1,2	09/12/2011	09/16/2011	IP 71152B	Identification and Resolution of Problems	
			4/8EXAM - BEAVER VALLEY 1 INITIAL EXAM		4
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	

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

Beaver Valley

Inspection / Activity Plan

01/01/2011 - 06/30/2012

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			71124 - OCC RAD SAFETY		1
1,2	03/12/2012	03/16/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	03/12/2012	03/16/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	03/12/2012	03/16/2012	IP 71124.04	Occupational Dose Assessment	
			7111108P - INSERVICE INSPECTION		1
1	04/16/2012	04/27/2012	IP 7111108P	Inservice Inspection Activities - PWR	
			71124 - OCC RAD 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		5
1,2	06/18/2012	06/22/2012	IP 7111401	Exercise Evaluation	
1,2	06/18/2012	06/22/2012	IP 7111404	Emergency Action Level and Emergency Plan Changes	
			71124 - RW		1
1,2	06/25/2012	06/29/2012	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	

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