



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

September 1, 2010

Mr. Paul Harden  
Site Vice President  
FirstEnergy Nuclear Operating Company  
Beaver Valley Power Station  
Mail Stop A-BV-SEB1  
P. O. Box 4  
Shippingport, PA 15077

SUBJECT: MID CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -  
BEAVER VALLEY UNITS 1 AND 2

Dear Mr. Harden:

On August 11, 2010, the NRC staff completed its performance review of Beaver Valley Units 1 and 2 for the first half of calendar year 2010 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only – Security Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter of 2010 at Beaver Valley Units 1 and 2 was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2011. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle review.

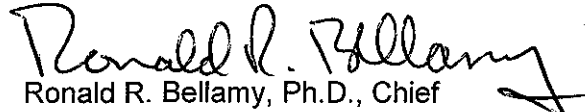
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P. Harden

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As you may know, the NRC is currently evaluating the scope and frequency of all the baseline inspection procedures. If the results of the evaluation, or any other circumstances, cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 610-337-5200 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

  
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

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

cc w/encls: Distribution via ListServ

P. Harden

2

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ML102440639

DOCUMENT NAME: S:\ROP-11 Mid-Cycle Review\Branch 6\BV\BV ROP-11 MC Cover Ltr.Doc

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**Beaver Valley**  
**Inspection / Activity Plan**  
 07/01/2010 - 12/31/2011

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>08/16EXM - U2 INITIAL OPERATOR LICENSING EXAM</b>		<b>4</b>
1	07/12/2010	07/16/2010	U01821	FY-10 BEAVER VALLEY UNIT 2 INITIAL OPERATOR LICENSING EXAM	
1	08/16/2010	08/20/2010	U01821	FY-10 BEAVER VALLEY UNIT 2 INITIAL OPERATOR LICENSING EXAM	
			<b>71124 - PUB RAD SAFETY - RADWASTE</b>		<b>1</b>
1,2	06/28/2010	07/02/2010	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>TI179 - 2515/TI179 NSTS VERIFICATION</b>		<b>1</b>
1,2	06/28/2010	07/02/2010	IP 2515/179	Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in NSTS	
			<b>71124 - OCC RAD SAFETY - INSTRUMENTS</b>		<b>1</b>
1,2	07/26/2010	07/30/2010	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>TI-172 - U1 TI 2515/172 DISSIMILAR METAL WELDS</b>		<b>1</b>
1	10/11/2010	10/22/2010	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
			<b>7111108P - U1 INSERVICE INSPECTION</b>		<b>1</b>
1	10/12/2010	10/22/2010	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>71124 - OCC RAD SAFETY</b>		<b>1</b>
1	10/17/2010	10/22/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	10/17/2010	10/22/2010	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/17/2010	10/22/2010	IP 71124.04	Occupational Dose Assessment	
1,2	10/17/2010	10/22/2010	IP 71151	Performance Indicator Verification	
			<b>71124 - OCC RAD SAFETY</b>		<b>1</b>
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	
			<b>7111108P - U2 INSERVICE INSPECTION</b>		<b>1</b>
2	03/14/2011	03/25/2011	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>71124 - OCC RAD SAFETY</b>		<b>1</b>
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	
			<b>711111B - BV2 REQUAL INSP W/ P/F RESULTS</b>		<b>3</b>
1,2	06/27/2011	07/01/2011	IP 7111111B	Licensed Operator Requalification Program	
			<b>EP PROGR - EP PROGRAM INSPECTION</b>		<b>1</b>
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	

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

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<b>EP PROGR - EP PROGRAM INSPECTION</b>				<b>1</b>
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	
<b>7111121 - CDBI</b>				<b>6</b>
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	
<b>71124 - EFFLUENTS</b>				<b>1</b>
1,2	06/20/2011 06/24/2011	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
<b>71124 - OCC RAD SAFETY - REMP</b>				<b>1</b>
1,2	07/18/2011 07/22/2011	IP 71124.07	Radiological Environmental Monitoring Program	
<b>TI-177 - MANAGING GAS ACCUMULATION IN ECCS</b>				<b>3</b>
1,2	07/18/2011 07/22/2011	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
<b>71152B - PI&amp;R</b>				<b>4</b>
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	

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