



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

March 3, 2010

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

SUBJECT: ANNUAL PERFORMANCE REVIEW AND INSPECTION PLAN -
BEAVER VALLEY POWER STATION (BEAVER VALLEY) UNITS 1 AND 2
(05000334/2010001 and 05000412/2010001)

Dear Mr. Harden:

On February 12, 2010, the NRC staff completed its performance review of Beaver Valley Units 1 and 2. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2009. 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.

Overall, Beaver Valley Units 1 and 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, 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. In addition to ROP baseline inspections, we plan to conduct supplemental inspection 92702, "Follow-up on Corrective Actions for Violations and Deviations," beginning on April 26, 2010.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through June 30, 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 mid-cycle review.

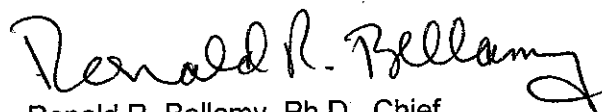
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P. Harden

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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). If circumstances arise which cause us to change this 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
Projects Branch 6
Division of Reactor Projects

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

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

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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).

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

Distribution w/encl:

S. Collins, RA
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John Thompson, NRR
D. Werkheiser, DRP, SRI
E. Bonney, DRP, RI
P. Garrett, DRP, Res OA
RidsNrrPMBeverValleyResource
RidsNrrDirslpab@nrc.gov
ROPreportsResources@nrc.gov

SUNSI Review Complete: RRB (Reviewer's Initials)

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NAME	DWerkheiser/RRB for	SBarber/ SB	RBellamy/ RRB
DATE	02/24 /10	02/ 25/10	02/25/10

OFFICIAL RECORD COPY

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
		71124 - OCC RAD SAFETY		
1, 2	03/01/2010 03/05/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	1
1, 2	03/01/2010 03/05/2010	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/01/2010 03/05/2010	IP 71124.04	Occupational Dose Assessment	
		ENF F/U - ENFORCEMENT FOLLOW UP		
1, 2	04/26/2010 04/28/2010	IP 92702	Followup On Corrective Actions For Violations And Deviations	2
		7111111B - REQUAL INSP (BV 1) WITH P/F RESULTS		
1, 2	05/24/2010 05/28/2010	IP 7111111B	Licensed Operator Requalification Program	3
		7111107T - TRIENNIAL HEAT SINK		
1, 2	03/22/2010 03/26/2010	IP 7111107T	Heat Sink Performance	2
		08/16EXM - U2 INITIAL OPERATOR LICENSING EXAM		
1	07/12/2010 07/16/2010	U01821	FY-10 BEAVER VALLEY UNIT 2 INITIAL OPERATOR LICENSING EXAM	4
1	08/16/2010 08/20/2010	U01821	FY-10 BEAVER VALLEY UNIT 2 INITIAL OPERATOR LICENSING EXAM	4
		EP EX - EP EXERCISE EVALUATION		
1, 2	04/19/2010 04/23/2010	IP 7111401	Exercise Evaluation	8
1, 2	04/19/2010 04/23/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	04/19/2010 04/23/2010	IP 71151-EP01	Drill/Exercise Performance	
1, 2	04/19/2010 04/23/2010	IP 71151-EP02	ERO Drill Participation	
1, 2	04/19/2010 04/23/2010	IP 71151-EP03	Alert & Notification System	
		MODS - PERMANENT PLANT MODIFICATIONS		
1, 2	06/07/2010 06/11/2010	IP 711117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	4
1, 2	06/21/2010 06/25/2010	IP 711117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
		71124 - PUB RAD SAFETY - RADWASTE		
1, 2	06/21/2010 06/25/2010	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	1
		71124 - OCC RAD SAFETY - INSTRUMENTS		
1, 2	07/26/2010 07/30/2010	IP 71124.05	Radiation Monitoring Instrumentation	1
		7111108P - U1 INSERVICE INSPECTION		
1	10/11/2010 10/22/2010	IP 7111108P	Inservice Inspection Activities - PWR	1
		TI-172 - U1 TI 2515/172 DISSIMILAR METAL WELDS		
1	10/11/2010 10/22/2010	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	1
		71121 - OCC RAD SAFETY		
1	10/17/2010 10/22/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	1
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	

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

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
2	03/14/2011	03/25/2011	IP 7111108P	Inservice Inspection Activities - PWR	1
			711111B - BV2 EQUAL INSP W/ P/F RESULTS		
1,2	06/27/2011	07/01/2011	IP 711111B	Licensed Operator Requalification Program	3
			EP PROGR - EP PROGRAM INSPECTION		
1,2	05/16/2011	05/20/2011	IP 7111402	Radiological Environmental Monitoring Program	1
1,2	05/16/2011	05/20/2011	IP 7111403	Emergency Response Organization Augmentation Testing	
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		
1,2	05/23/2011	05/28/2011	IP 7111121	Component Design Bases Inspection	6
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	

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 This report shows only on-site and announced inspection procedures.