



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

March 4, 2009

Mr. Peter P. Sena, III  
Site Vice President  
FirstEnergy Nuclear Operating Company  
Beaver Valley Power Station  
Mail Stop A-BV-SEB1  
P. O. Box 4, Box 168  
Shippingport, PA 15077

**SUBJECT: ANNUAL ASSESSMENT LETTER - BEAVER VALLEY POWER STATION  
UNITS 1 AND 2 (REPORT 05000334/2009001 and 05000412/2009001)**

Dear Mr. Sena:

On February 9, 2009, the NRC staff completed its performance review of Beaver Valley Power Station, Units 1 and 2. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period January 1 through December 31, 2008. 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.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through June 30, 2010. 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.

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).

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,

/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

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

cc w/encl:

J. Hagan, President and Chief Nuclear Officer  
J. Lash, Senior Vice President of Operations and Chief Operating Officer  
D. Pace, Senior Vice President, Fleet Engineering  
K. Fili, Vice President, Fleet Oversight  
P. Harden, Vice President, Nuclear Support  
G. Halnon, Director, Fleet Regulatory Affairs  
Manager, Fleet Licensing Company  
K. Ostrowski, Director, Site Operations  
C. McFeaters, Director, Maintenance  
M. Manoleras, Director, Engineering  
R. Brosi, Director, Site Performance Improvement  
C. Keller, Manager, Site Regulatory Compliance  
D. Jenkins, Attorney, FirstEnergy Corporation  
M. Clancy, Mayor, Shippingport, PA  
D. Allard, Director, PADEP  
C. O'Claire, State Liaison to the NRC, State of Ohio  
Z. Clayton, EPA-DEPR, State of Ohio  
Director, Utilities Department, Public Utilities Commission, State of Ohio  
D. Hill, Chief, Radiological Health Program, State of West Virginia  
J. Lewis, Commissioner, Division of Labor, State of West Virginia  
W. Hill, Beaver County Emergency Management Agency  
J. Johnsrud, National Energy Committee, Sierra Club  
J. Powers, Director, PA Office of Homeland Security  
R. French, Director, PA Emergency Management Agency  
Institute of Nuclear Power Operations (INPO)

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,  
**/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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D. Lew, DRP  
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R. Nelson, NRR

N. Morgan, PM, NRR  
R. Guzman, NRR  
D. Werkheiser, SRI, DRP  
D. Spindler, RI, DRP  
P. Garrett, OA, DRP  
RidsNrrDirslpabRes@nrc.gov  
v  
ROPreportsRes@nrc.gov  
Region I Docket Room

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**SUNSI Review Complete: RRB (Reviewer's Initials)**

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OFFICE	RI/DRP		RI/DRP		RI/DRP	
NAME	SBarber/SB		DWerkheiser/DW via email		RBellamy/RRB	
DATE	02/18/09		02/18/09		03/02/09	

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**Beaver Valley**  
**Inspection / Activity Plan**  
**01/01/2009 - 06/30/2010**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>SIT - SIT - UNIT 1 LHSI SUCTION PIPING VOID</b>		<b>6</b>
1	11/11/2008	01/30/2009	IP 93812	Special Inspection	
			<b>71121 - OCC RAD SAFETY</b>		<b>1</b>
1,2	02/09/2009	02/13/2009	IP 7112101	Access Control to Radiologically Significant Areas	
1,2	02/09/2009	02/13/2009	IP 7112102-7112102R	ALARA - Required	
			<b>71122.01 - PUB RAD SAFETY - RETS</b>		<b>1</b>
1,2	03/23/2009	03/27/2009	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	
1,2	03/23/2009	03/27/2009	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems	
			<b>71121 - OCC RAD SAFETY</b>		<b>1</b>
1	04/27/2009	05/01/2009	IP 7112101	Access Control to Radiologically Significant Areas	
1	04/27/2009	05/01/2009	IP 7112102-7112102R	ALARA - Required	
			<b>7111108P - U1 INSERVICE INSPECTION</b>		<b>1</b>
1	04/27/2009	05/01/2009	IP 7111108P	Inservice Inspection Activities - PWR	
1	05/04/2009	05/08/2009	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>7111111B - REQUAL (FOCUS U2) W/ P/F RESULTS</b>		<b>3</b>
1,2	07/20/2009	07/24/2009	IP 7111111B	Licensed Operator Requalification Program	
			<b>71122.03 - PUB RAD SAFETY - REMP</b>		<b>1</b>
1,2	07/13/2009	07/17/2009	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	
1,2	07/13/2009	07/17/2009	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program	
			<b>TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>5</b>
1,2	07/20/2009	07/24/2009	IP 7111105T	Fire Protection [Triennial]	
1,2	08/03/2009	08/07/2009	IP 7111105T	Fire Protection [Triennial]	
			<b>71152B - PI&amp;R BIENNIAL TEAM</b>		<b>8</b>
1,2	08/17/2009	08/21/2009	IP 71152B	Identification and Resolution of Problems	
1,2	08/31/2009	09/03/2009	IP 71152B	Identification and Resolution of Problems	
			<b>EP PROG - EP PROGRAM INSPECTION</b>		<b>1</b>
1,2	08/31/2009	09/04/2009	IP 7111402	Alert and Notification System Testing	
1,2	08/31/2009	09/04/2009	IP 7111403	Emergency Response Organization Augmentation Testing	
1,2	08/31/2009	09/04/2009	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	08/31/2009	09/04/2009	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1,2	08/31/2009	09/04/2009	IP 71151-EP01	Drill/Exercise Performance	
1,2	08/31/2009	09/04/2009	IP 71151-EP02	ERO Drill Participation	
1,2	08/31/2009	09/04/2009	IP 71151-EP03	Alert & Notification System	
			<b>TI-172 - U2 TI-172 RCS DISSIMILAR METAL WELDS</b>		<b>1</b>
2	10/19/2009	10/23/2009	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	

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

**Beaver Valley**  
**Inspection / Activity Plan**  
**01/01/2009 - 06/30/2010**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>7111108P - U2 INSERVICE INSPECTION</b>		<b>1</b>
2	10/19/2009	10/30/2009	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>71121 - OCC RAD SAFETY</b>		<b>1</b>
2	10/26/2009	10/30/2009	IP 7112102	ALARA Planning and Controls	
			<b>71121 - OCC RAD SAFETY</b>		<b>1</b>
1,2	03/01/2010	03/05/2010	IP 7112101	Access Control to Radiologically Significant Areas	
1,2	03/01/2010	03/05/2010	IP 7112102-7112102R	ALARA - Required	
			<b>7111107T - TRIENNIAL HEAT SINK</b>		<b>1</b>
1,2	03/22/2010	03/26/2010	IP 7111107T	Heat Sink Performance	
			<b>EP EX - EP EXERCISE EVALUATION</b>		<b>1</b>
1,2	04/19/2010	04/23/2010	IP 7111401	Exercise Evaluation	
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	Performance Indicator Verification	
			<b>MODS - PERMANENT PLANT MODIFICATIONS</b>		<b>3</b>
1,2	06/07/2010	06/11/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1,2	06/21/2010	06/25/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			<b>7112202 - PUB RAD SAFETY - RADWASTE</b>		<b>1</b>
1,2	06/21/2010	06/25/2010	IP 7112202	Radioactive Material Processing and Transportation	

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