



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

September 2, 2008

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  
Shippingport, PA 15077

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

Dear Mr. Sena:

On August 11, 2008, the NRC staff completed its performance review of the Beaver Valley Units 1 and 2 for the first half of calendar year 2008 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 2008 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, 2009. 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.

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 by Raymond J. Powell Acting for/**

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

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  
J. Rinckel, 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  
E. Hubley, Director, Maintenance  
M. Manoleras, Director, Engineering  
L. Freeland, 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-DEER, 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

**BV**  
**Inspection / Activity Plan**  
**07/01/2008 - 12/31/2009**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>7111111B - L.O. REQUAL.PROG.(FOCUS U1)+P/F RVW</b>		<b>2</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		08/04/2008	08/08/2008	Baseline Inspections
	<b>71002 - LICENSE RENEWAL</b>		<b>7</b>			
1,2	IP 71002	License Renewal Inspection		07/14/2008	07/18/2008	License Renewal Inspect
	<b>12/8 EXM - U2 INITIAL OPERATOR LICENSING EXAMS</b>		<b>4</b>			
2	U01628	BEAVER VALLEY UNIT 2 INITIAL EXAM (FY09)		11/10/2008	11/14/2008	Not Applicable
2	U01628	BEAVER VALLEY UNIT 2 INITIAL EXAM (FY09)		12/08/2008	12/12/2008	Not Applicable
2	U01628	BEAVER VALLEY UNIT 2 INITIAL EXAM (FY09)		12/15/2008	12/19/2008	Not Applicable
	<b>7112103 - OCC RAD SAFETY - INSTRUMENTS</b>		<b>1</b>			
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/25/2008	08/29/2008	Baseline Inspections
	<b>7111121 - CDBI</b>		<b>7</b>			
1,2	IP 7111121	Component Design Bases Inspection		09/15/2008	09/19/2008	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		09/29/2008	10/03/2008	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		10/06/2008	10/10/2008	Baseline Inspections
	<b>TI 171 - TI 171</b>		<b>3</b>			
1,2	IP 2515/171	Verification of Site Specific Implementation Of B.5.b Phase 2 & 3 Mitigating Strategies		10/20/2008	10/24/2008	Generic Safety Inspectio
	<b>TI 176 - TI 176</b>		<b>1</b>			
1,2	IP 2515/176	Emergency Diesel Generator Tech Spec Surveillance Requirements Re: Endurance & Margin		11/03/2008	11/07/2008	Generic Safety Inspectio
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		02/09/2009	02/13/2009	Baseline Inspections
1,2	IP 7112102-7112102R	ALARA - Required		02/09/2009	02/13/2009	Baseline Inspections
	<b>71122.01 - PUB RAD SAFETY - RETS</b>		<b>1</b>			
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		03/23/2009	03/27/2009	Baseline Inspections
	<b>7111108P - U1 INSERVICE INSPECTION</b>		<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		04/20/2009	04/24/2009	Baseline Inspections
1	IP 7111108P	Inservice Inspection Activities - PWR		04/27/2009	05/01/2009	Baseline Inspections
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		04/27/2009	05/01/2009	Baseline Inspections
1	IP 7112102-7112102R	ALARA - Required		04/27/2009	05/01/2009	Baseline Inspections
	<b>7111111B - REQUAL (FOCUS U2) W/ P/F RESULTS</b>		<b>3</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		07/20/2009	07/24/2009	Baseline Inspections
	<b>71122.03 - PUB RAD SAFETY - REMP</b>		<b>1</b>			
1,2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		07/13/2009	07/17/2009	Baseline Inspections
	<b>TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>5</b>			
1,2	IP 7111105T	Fire Protection [Triennial]		07/20/2009	07/24/2009	Baseline Inspections

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

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>TRI FIRE</b>	<b>- TRIENNIAL FIRE PROTECTION INSPECTION</b>	<b>5</b>			
1,2	IP 7111105T	Fire Protection [Triennial]		08/03/2009	08/07/2009	Baseline Inspections
	<b>EP PROG</b>	<b>- EP PROGRAM INSPECTION</b>	<b>1</b>			
1,2	IP 7111402	Alert and Notification System Testing		08/31/2009	09/04/2009	EP Baseline Inspection
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		08/31/2009	09/04/2009	EP Baseline Inspection
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		08/31/2009	09/04/2009	EP Baseline Inspection
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		08/31/2009	09/04/2009	EP Baseline Inspection
1,2	IP 71151-EP01	Drill/Exercise Performance		08/31/2009	09/04/2009	Baseline Inspections
1,2	IP 71151-EP02	ERO Drill Participation		08/31/2009	09/04/2009	Baseline Inspections
1,2	IP 71151-EP03	Alert & Notification System		08/31/2009	09/04/2009	Baseline Inspections
	<b>71152B</b>	<b>- PI&amp;R BIENNIAL TEAM</b>	<b>5</b>			
1,2	IP 71152B	Identification and Resolution of Problems		08/17/2009	08/21/2009	Baseline Inspections
1,2	IP 71152B	Identification and Resolution of Problems		08/31/2009	09/03/2009	Baseline Inspections
	<b>7111108P</b>	<b>- U2 INSERVICE INSPECTION</b>	<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		10/19/2009	10/30/2009	Baseline Inspections
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
2	IP 7112102	ALARA Planning and Controls		10/26/2009	10/30/2009	Baseline Inspections