



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

August 31, 2006

Mr. James H. Lash  
Site Vice President  
FirstEnergy Nuclear Operating Company  
Beaver Valley Power Station  
Post Office Box 4  
Shippingport, Pennsylvania 15077

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

Dear Mr. Lash:

On August 9, 2006, the NRC staff completed its performance review of Beaver Valley Power Station Units 1 and 2 (Beaver Valley) for the first half of the calendar year 2006 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 physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in accordance with 10 CFR 2.390" will include the physical protection review and resultant inspection plan.

Plant performance for the most recent quarter 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 the standard reactor oversight process (ROP) baseline inspections at your facility. In addition to the baseline inspection procedures, inspections related to the Extended Power Uprate for Units 1 and 2 and inspections related to the Unit 2 Containment Sump Modifications will be performed.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2008. 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 and Practices," 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

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document system (ADAMS). ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html> (The Public Electronic Reading Room).

If circumstances arise which 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,

**/RA/**

Ronald R. Bellamy, Chief  
Reactor Projects Branch 7  
Division of Reactor Projects

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

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

cc w/encl:

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**SISP Review Complete: \_\_\_\_\_ RRB \_\_\_\_\_ (Reviewer's Initials)**

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OFFICE	RI/DRP		RI/DRP			
NAME	ARosebrook/AAR		RBellamy/RRB			
DATE	7/31/2006		8/29/2006			

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**Beaver Valley**  
**Inspection / Activity Plan**  
**07/01/2006 - 03/31/2008**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>7111111B - L.O. REQUAL PROG.(FOCUS U1)+P/F RSLT</b>		<b>4</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		07/31/2006	08/03/2006	Baseline Inspections
	<b>7111121 - CDBI (COMPONENT DESIGN BASES INSPECTION)</b>		<b>8</b>			
1,2	IP 7111121	Component Design Bases Inspection		07/10/2006	07/14/2006	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		07/17/2006	07/20/2006	Baseline Inspections
	<b>7111112B - MAINTENANCE RULE</b>		<b>2</b>			
1,2	IP 7111112B	Maintenance Effectiveness		09/11/2006	09/15/2006	Baseline Inspections
	<b>7112102 - OCC RAD SAFETY - ALARA</b>		<b>1</b>			
1,2	IP 7112102	ALARA Planning and Controls		10/02/2006	10/06/2006	Baseline Inspections
	<b>7111108P - UNIT 2 INSERVICE INSPECTION</b>		<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		10/10/2006	10/20/2006	Baseline Inspections
	<b>TI-166 - UNIT 2 CONTAINMENT SUMP MODIFICATIONS</b>		<b>1</b>			
2	IP 2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02]		10/23/2006	10/27/2006	Safety Issues
	<b>TI-169 - MSPI VERIFICATION</b>		<b>2</b>			
1,2	IP 2515/169	Mitigating Systems Performance Index Verification		11/01/2006	12/15/2006	Safety Issues
	<b>71004 - POWER UPRATE - EC/FAC</b>		<b>1</b>			
1,2	IP 71004	Power Uprate		12/04/2006	12/08/2006	Other Routine
	<b>7112103 - OCC RAD SAFETY - INSTRUMENTS</b>		<b>1</b>			
1,2	IP 7112102	ALARA Planning and Controls		12/11/2006	12/15/2006	Baseline Inspections
	<b>TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>6</b>			
1	IP 7111105T	Fire Protection [Triennial]		01/22/2007	01/26/2007	Baseline Inspections
1	IP 7111105T	Fire Protection [Triennial]		02/05/2007	02/09/2007	Baseline Inspections
	<b>71114 - EP PRGM INSP</b>		<b>1</b>			
1,2	IP 7111402	Alert and Notification System Testing		02/05/2007	02/09/2007	Baseline Inspections
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		02/05/2007	02/09/2007	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		02/05/2007	02/09/2007	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		02/05/2007	02/09/2007	Baseline Inspections
1,2	IP 71151-EP01	Drill/Exercise Performance		02/05/2007	02/09/2007	Baseline Inspections
1,2	IP 71151-EP02	ERO Drill Participation		02/05/2007	02/09/2007	Baseline Inspections
1,2	IP 71151-EP03	Alert & Notification System		02/05/2007	02/09/2007	Baseline Inspections
	<b>7112101 - OCC RAD SAFETY</b>		<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		03/05/2007	03/09/2007	Baseline Inspections
	<b>71152B - PI&amp;R</b>		<b>4</b>			
1,2	IP 71152B	Identification and Resolution of Problems		03/26/2007	03/30/2007	Baseline Inspections
1,2	IP 71152B	Identification and Resolution of Problems		04/09/2007	04/13/2007	Baseline Inspections

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

**Beaver Valley**  
**Inspection / Activity Plan**  
**07/01/2006 - 03/31/2008**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>7111111B - LO REQUAL. PROG.(FOCUS U2)+P/F RVW</b>		<b>3</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		05/28/2007	07/06/2007	Baseline Inspections
	<b>7112201 - PUB RAD SAFETY - RETS</b>		<b>1</b>			
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		05/14/2007	05/18/2007	Baseline Inspections
	<b>7111117B - MODS AND 50.59</b>		<b>4</b>			
1,2	IP 7111102	Evaluation of Changes, Tests, or Experiments		06/04/2007	06/08/2007	Baseline Inspections
1,2	IP 7111117B	Permanent Plant Modifications		06/04/2007	06/08/2007	Baseline Inspections
	<b>7112203 - PUB RAD SAFETY - REMP</b>		<b>1</b>			
1,2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Pr		07/09/2007	07/13/2007	Baseline Inspections
	<b>11/12EXM - U1 OPERATOR LICENSING INITIAL EXAM</b>		<b>3</b>			
1	U01685	FY08 - BEAVER VALLEY 1 INITIAL OPERATOR EXAM		10/15/2007	10/19/2007	Not Applicable
1	U01685	FY08 - BEAVER VALLEY 1 INITIAL OPERATOR EXAM		11/12/2007	11/23/2007	Not Applicable
	<b>TI-166 - CONTAINMENT SUMP MODIFICATIONS - UNIT 1</b>		<b>1</b>			
1	IP 2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02]		10/15/2007	10/19/2007	Safety Issues
	<b>7112102 - OCC RAD SAFETY - ALARA</b>		<b>1</b>			
1,2	IP 7112102	ALARA Planning and Controls		10/29/2007	11/02/2007	Baseline Inspections
	<b>7111107 - HEAT SINK INSP</b>		<b>2</b>			
1,2	IP 7111107B	Heat Sink Performance		11/05/2007	11/09/2007	Baseline Inspections
	<b>7111121 - CDBI</b>		<b>6</b>			
1,2	IP 7111121	Component Design Bases Inspection		01/14/2008	01/18/2008	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		01/28/2008	02/01/2008	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		02/04/2008	02/08/2008	Baseline Inspections
	<b>7112101 - OCC RAD SAFETY - ACCESS</b>		<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		02/25/2008	02/29/2008	Baseline Inspections
	<b>7112102 - OCC RAD SAFETY - ALARA</b>		<b>1</b>			
1,2	IP 7112102	ALARA Planning and Controls		03/24/2008	03/28/2008	Baseline Inspections