



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

March 2, 2007

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

SUBJECT: ANNUAL ASSESSMENT LETTER - BEAVER VALLEY POWER STATION  
UNITS 1 AND 2 (REPORTS 05000334/2007001 AND 05000412/2007001)

Dear Mr. Lash

On February 15, 2007, the NRC staff completed its performance review of Beaver Valley Power Station (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, 2006. 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.

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 was within the Regulatory Response column of the NRC's Action Matrix, based on one inspection finding being classified as having low to moderate safety significance (White) in the Emergency Preparedness (EP) Cornerstone. The White finding, documented in a letter dated December 12, 2006, involved a dose assessment procedure inadequacy that could result in untimely protective action recommendations. Therefore, in addition to the reactor oversight process (ROP) baseline inspections, we plan to conduct a supplemental inspection in accordance with Inspection Procedure 95001 within 180 days of notification by your staff of your readiness for this inspection.

Additionally, on December 19, 2006, the staff issued a Severity Level III Notice of Violation EA-06-152, in accordance with the NRC's Enforcement Policy. The violation was associated with a contract engineer that falsified design documentation for the Unit 1 reactor vessel head and steam generator replacement projects. The NRC issued a Confirmatory Order that confirmed the agreement reached with you during an Alternative Dispute Resolution session held to resolve the issue.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through June 30, 2008. In addition to the 95001 supplemental inspection and the reactor oversight process (ROP) baseline inspection, we also plan to conduct inspections related to the Extended Power Uprate for Units 1 and 2 and inspections related to the Unit 1 Containment Sump Modifications. 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 during 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 Dr. Ronald Bellamy of my staff at 610-337-5200 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**/RA/**

David C. Lew, Director  
Division of Reactor Projects, Region I

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:

G. Leidich, President and Chief Nuclear Officer  
J. Hagan, Senior Vice President of Operations and Chief Operating Officer  
D. Pace, Senior Vice President, Fleet Engineering  
J. Rinckel, Vice President, Fleet Oversight  
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M. Clancy, Mayor, Shippingport, PA  
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Z. Clayton, EPA-DERR, 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

**Beaver Valley**  
**Inspection / Activity Plan**  
**01/01/2007 - 06/30/2008**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>5</b>			
1,2	IP 7111105T	Fire Protection [Triennial]		01/22/2007	01/26/2007	Baseline Inspections
1,2	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		01/29/2007	02/02/2007	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		04/02/2007	04/06/2007	Baseline Inspections
	<b>7111111B - LO REQUAL. PROG.(FOCUS U2)+P/F RVW</b>		<b>3</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		06/18/2007	06/22/2007	Baseline Inspections
2	IP 7111111B	Licensed Operator Requalification Program		06/25/2007	06/29/2007	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>2</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>7111108P - U1 INSERVICE INSPECTION</b>		<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		10/01/2007	10/05/2007	Baseline Inspections
1	IP 7111108P	Inservice Inspection Activities - PWR		10/15/2007	10/19/2007	Baseline Inspections
	<b>7112102 - OCC RAD SAFETY - ALARA</b>		<b>1</b>			
1,2	IP 7112102	ALARA Planning and Controls		10/15/2007	10/19/2007	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**  
**01/01/2007 - 06/30/2008**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<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>7111107B - 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>7111108P - U2 INSERVICE INSPECTION</b>		<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		03/31/2008	04/04/2008	Baseline Inspections
2	IP 7111108P	Inservice Inspection Activities - PWR		04/14/2008	04/18/2008	Baseline Inspections
	<b>7112102 - OCC RAD SAFETY - ALARA</b>		<b>1</b>			
1,2	IP 7112102	ALARA Planning and Controls		04/28/2008	05/02/2008	Baseline Inspections
	<b>7112202 - PUB RAD SAFETY - RADWASTE</b>		<b>1</b>			
1,2	IP 7112202	Radioactive Material Processing and Transportation		06/23/2008	06/27/2008	Baseline Inspections

Distribution w/encl:

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

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