



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

August 31, 2007

Mr. Peter P. Sena, III
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. Sena:

On August 8, 2007, 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 2007 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 2007 at Beaver Valley Units 1 and 2 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 and all PIs indicating performance at a level requiring no additional NRC oversight (Green). 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.

FirstEnergy Nuclear Operating Company (FENOC) has performed an evaluation to identify causes and implemented corrective actions to address the EP White finding. The NRC has completed a supplemental inspection, in accordance with Inspection Procedure 95001, to review the actions to address the White EP finding and conducted a Regulatory Response meeting on June 28, 2007. This is documented in NRC Inspection Report 05000334 & 05000412/2007503, dated August 6, 2007. As a result of our review, this finding is now closed and will not longer be considered for plant assessment purposes effective July 1, 2007. Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility. In addition, inspections related to the Extended Power Uprate for Unit 2 and inspections related to the Unit 1 Containment Sump Modifications will also be performed.

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. On July 17, 2007, you informed the NRC that all actions required by the order had been completed as of June 30, 2007. The Confirmatory Order was closed by a letter from the Regional Administrator dated August 15, 2007.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through December 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 document system (ADAMS). ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html> (The Public Electronic Reading Room).

The NRC is currently evaluating the scope and frequency of all the baseline inspection procedures. If the results of the evaluation, or any other circumstances, cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact Dr. Ronald Bellamy 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

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:

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
R. Anderson, Vice President, Nuclear Support, FirstEnergy Nuclear Operating Company
D. Jenkins, Attorney, FirstEnergy Corporation
G. Halnon, Director, Fleet Regulatory Affairs, FirstEnergy Nuclear Operating Company
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K. Ostrowski, Director, Site Operations
E. Hubley, Director, Maintenance
M. Manoleras, Director, Engineering
L. Freeland, Director, Site Performance Improvement
C. Keller, Manager, Regulatory Compliance
M. Clancy, Mayor, Shippingport, PA
D. Allard, PADEP
C. O'Claire, State Liaison to the NRC, State of Ohio
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
Institute of Nuclear Power Operations (INPO)

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Distribution:
see next page

SUNSI Review Complete: AAR (Reviewer's Initials)

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OFFICIAL RECORD COPY

Letter to Peter P. Sena, III from David C. Lew dated August 31, 2007

Distribution w/encl:

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Beaver Valley
Inspection / Activity Plan
07/01/2007 - 12/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	7112203 - PUB RAD SAFETY - REMP		1			
1, 2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		07/09/2007	07/13/2007	Baseline Inspections
	11/12EXM - U1 INITIAL OPERATOR LICENSING EXAM		4			
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
	7111108P - U1 INSERVICE INSPECTION		1			
1	IP 7111108P	Inservice Inspection Activities - PWR		10/01/2007	10/04/2007	Baseline Inspections
1	IP 7111108P	Inservice Inspection Activities - PWR		10/15/2007	10/19/2007	Baseline Inspections
	7112102 - OCC RAD SAFETY - ALARA		1			
1, 2	IP 7112102	ALARA Planning and Controls		10/15/2007	10/19/2007	Baseline Inspections
	TI-166 - CONTAINMENT SUMP MODIFICATIONS - UNIT 1		1			
1	IP 2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02		10/15/2007	10/19/2007	Safety Issues
	7111107B - HEAT SINK INSP		1			
1, 2	IP 7111107B	Heat Sink Performance		11/05/2007	11/09/2007	Baseline Inspections
	7111121 - CDBI		6			
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
	7112101 - OCC RAD SAFETY - ACCESS		1			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		02/25/2008	02/29/2008	Baseline Inspections
	7111108P - U2 INSERVICE INSPECTION		1			
2	IP 7111108P	Inservice Inspection Activities - PWR		04/21/2008	04/25/2008	Baseline Inspections
2	IP 7111108P	Inservice Inspection Activities - PWR		05/05/2008	05/09/2008	Baseline Inspections
	7112102 - OCC RAD SAFETY - ALARA		1			
1, 2	IP 7112102	ALARA Planning and Controls		04/28/2008	05/02/2008	Baseline Inspections
	7111111B - L.O. REQUAL.PROG.(FOCUS U1)+P/F RVW		5			
1, 2	IP 7111111B	Licensed Operator Requalification Program		08/04/2008	08/08/2008	Baseline Inspections
	7112202 - PUB RAD SAFETY - RADWASTE		1			
1, 2	IP 7112202	Radioactive Material Processing and Transportation		06/23/2008	06/27/2008	Baseline Inspections
	EP - EP EXERCISE EVALUATION		4			
1, 2	IP 7111401	Exercise Evaluation		06/23/2008	06/27/2008	Baseline Inspections
1, 2	IP 7111404	Emergency Action Level and Emergency Plan Changes		06/23/2008	06/27/2008	Baseline Inspections
1, 2	IP 71151-EP01	Drill/Exercise Performance		06/23/2008	06/27/2008	Baseline Inspections
1, 2	IP 71151-EP02	ERO Drill Participation		06/23/2008	06/27/2008	Baseline Inspections
1, 2	IP 71151-EP03	Alert & Notification System		06/23/2008	06/27/2008	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
07/01/2007 - 12/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	12/8 EXM	- U2 INITIAL OPERATOR LICENSING EXAMS	6			
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	12/19/2008	Not Applicable
	7112103	- OCC RAD SAFETY - INSTRUMENTS	1			
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/25/2008	08/29/2008	Baseline Inspections