

March 3, 2003

Mr. M. Bezilla  
Vice President  
FirstEnergy Nuclear Operating Company  
Post Office Box 4  
Shippingport, Pennsylvania 15077

SUBJECT: ANNUAL ASSESSMENT LETTER - BEAVER VALLEY POWER STATION,  
UNIT 1 & UNIT 2 (REPORT 50-334/2003-001, 50-412/2003-001)

Dear Mr. Bezilla:

On February 10, 2003, the NRC staff completed its end-of-cycle plant performance assessment of your Beaver Valley Power Station, Unit 1 & Unit 2. The end-of-cycle review for Beaver Valley involved the participation of all technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2002. 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 so that you will have an opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities.

Overall, Beaver Valley Power Station (BVPS) 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 period, was within the Regulatory Response Column of the NRC's Action Matrix, based on an inspection finding of low to moderate safety significance (White) in the Emergency Preparedness (EP) cornerstone. This finding involved inadequate maintenance and testing of personal home alerting devices (PHADs), as well as insufficient effort to fully resolve the problem since 1998. PHADs comprise a portion of the public alert and notification system to ensure the capability of alerting members of the public who are located in areas where they may not hear pole-mounted sirens.

The significance of the PHADs finding was finalized in our letter dated June 24, 2002. You informed us of interim and planned permanent corrective actions, including route alerting and installation of additional pole-mounted sirens to eliminate the need for PHADs at a regulatory conference held on May 15, 2002. On February 24-28, 2003, our inspectors conducted a supplemental inspection to evaluate your causal assessment and associated corrective actions. Pending the results of this inspection, we will determine whether our baseline inspection program in the Emergency Preparedness cornerstone is sufficient to provide us information to monitor the effectiveness of your long-term corrective actions. We will inform you if it is necessary to conduct additional inspection in this cornerstone.

The enclosed inspection plan details the inspections scheduled through March 31, 2004. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The last six months of the inspection plan is tentative and may be revised at the mid-cycle review meeting.

As you are aware, since the terrorist attacks on September 11, 2001, the NRC has issued several Orders and threat advisories to enhance security capabilities and improve guard force readiness. We have conducted inspections to review your implementation of these requirements and have monitored your actions in response to changing threat conditions. For calendar year 2003, we plan to continue these inspections, conduct portions of the security baseline inspection program, as well as perform additional inspections to evaluate your compliance with new requirements that may be ordered. Based on our final determinations in this regard, we will notify you of any inspection plan changes.

In accordance with 10 CFR 2.790 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 Robert Summers at (610) 337-5109 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

A. Randolph Blough, Director  
Division of Reactor Projects, Region 1

Docket Nos: 50-334 & 412  
License Nos: DPR-66; NPF-73

Enclosure: Beaver Valley Power Station Inspection / Activity Plan

Mr. M. Bezilla

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cc w/encl:

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OFFICE	RI/DRP	RI/DRP	RI/DRP		
NAME	RBarkley /RJS for/	RSummers /RJS/	RBlough /ARB/		
DATE	02/27/03	03/03/03	03/03/03		

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**Beaver Valley**  
**Inspection / Activity Plan**  
**12/29/2002 - 03/27/2004**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		02/03/2003	02/07/2003	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		02/03/2003	02/07/2003	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		02/03/2003	02/07/2003	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		02/03/2003	02/07/2003	Baseline Inspections
	<b>71114</b>	<b>- EP PRG RVW</b>	<b>1</b>			
1, 2	IP 7111402	Alert and Notification System Testing		02/23/2003	02/28/2003	Baseline Inspections
1, 2	IP 7111403	Emergency Response Organization Augmentation Testing		02/23/2003	02/28/2003	Baseline Inspections
1, 2	IP 7111404	Emergency Action Level and Emergency Plan Changes		02/23/2003	02/28/2003	Baseline Inspections
1, 2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		02/23/2003	02/28/2003	Baseline Inspections
	<b>95001</b>	<b>- 95001 PHAD FOLLOW UP</b>	<b>1</b>			
1, 2	IP 95001	Supplemental Inspection For One Or Two White Inputs In A Strategic Performance Area		02/24/2003	02/28/2003	Supplemental Program
	<b>71151</b>	<b>- EP PI VERIFICATION</b>	<b>1</b>			
1, 2	IP 71151	Performance Indicator Verification		03/10/2003	03/14/2003	Baseline Inspections
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		03/17/2003	03/21/2003	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		03/17/2003	03/21/2003	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		03/17/2003	03/21/2003	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		03/17/2003	03/21/2003	Baseline Inspections
	<b>7111108</b>	<b>- INSERVICE INSPECTION</b>	<b>2</b>			
1	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Bulletin 2002-02)		03/17/2003	03/21/2003	Safety Issues
	<b>T1148BC</b>	<b>- SEC ICM</b>	<b>7</b>			
1, 2	IP 2515/148	Inspection of Nuclear Reactor Safeguards - Interim Compensatory Measures		03/17/2003	03/24/2003	Safety Issues
	<b>7111108</b>	<b>- INSERVICE INSPECTION</b>	<b>2</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		03/24/2003	03/28/2003	Baseline Inspections
	<b>7111107B</b>	<b>- HEAT SINK</b>	<b>1</b>			
1, 2	IP 7111107B	Heat Sink Performance		04/07/2003	04/11/2003	Baseline Inspections
	<b>71122.01</b>	<b>- RETS</b>	<b>1</b>			
1, 2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		05/05/2003	05/09/2003	Baseline Inspections
	<b>7111117B</b>	<b>- PLANT MODIFICATION</b>	<b>5</b>			
1, 2	IP 7111102	Evaluation of Changes, Tests, or Experiments		06/16/2003	06/20/2003	Baseline Inspections
1, 2	IP 7111117B	Permanent Plant Modifications		06/16/2003	06/20/2003	Baseline Inspections
	<b>71152B</b>	<b>- PROBLEM IDENTIFICATION AND RESOLUTION</b>	<b>4</b>			
1, 2	IP 71152B	Identification and Resolution of Problems		07/07/2003	07/11/2003	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**  
**12/29/2002 - 03/27/2004**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>71152B</b>	<b>- PROBLEM IDENTIFICATION AND RESOLUTION</b>	<b>4</b>			
1, 2	IP 71152B	Identification and Resolution of Problems		07/21/2003	07/25/2003	Baseline Inspections
	<b>711108</b>	<b>- INSERVICE INSPECTION - UNIT 2</b>	<b>2</b>			
2	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Bulletin 2002-02)		09/22/2003	09/26/2003	Safety Issues
2	IP 7111108P	Inservice Inspection Activities - PWR		09/22/2003	09/26/2003	Baseline Inspections
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		09/22/2003	09/26/2003	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		09/22/2003	09/26/2003	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		09/22/2003	09/26/2003	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		09/22/2003	09/26/2003	Baseline Inspections
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		10/20/2003	10/24/2003	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		10/20/2003	10/24/2003	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		10/20/2003	10/24/2003	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		10/20/2003	10/24/2003	Baseline Inspections
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		01/05/2004	01/09/2004	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		01/05/2004	01/09/2004	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		01/05/2004	01/09/2004	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		01/05/2004	01/09/2004	Baseline Inspections
	<b>INSPECT</b>	<b>- TRIENNIAL FIRE PROTECTION INSPECTION</b>	<b>3</b>			
2	IP 7111105T	Fire Protection		01/12/2004	01/16/2004	Baseline Inspections
2	IP 7111105T	Fire Protection		01/26/2004	01/30/2004	Baseline Inspections
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		03/08/2004	03/12/2004	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		03/08/2004	03/12/2004	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		03/08/2004	03/12/2004	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		03/08/2004	03/12/2004	Baseline Inspections