



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

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

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SISP Review Complete: _____ RRB (Reviewer's Initials)

DOCUMENT NAME: S:\ROP 7 Mid Cycle Review\2006 ROP7 Mid-Cycle Letters\BV 2006 Mid-Cycle Letter.wpd

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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 Start End | Inspection Type |
|-------------|---|--|----------------------|----------------------------|----------------------|
| | 7111111B - L.O. REQUAL PROG.(FOCUS U1)+P/F RSLT | | 4 | | |
| 1,2 | IP 7111111B | Licensed Operator Requalification Program | | 07/31/2006 08/03/2006 | Baseline Inspections |
| | 7111121 - CDBI (COMPONENT DESIGN BASES INSPECTION) | | 8 | | |
| 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 |
| | 7111112B - MAINTENANCE RULE | | 2 | | |
| 1,2 | IP 7111112B | Maintenance Effectiveness | | 09/11/2006 09/15/2006 | Baseline Inspections |
| | 7112102 - OCC RAD SAFETY - ALARA | | 1 | | |
| 1,2 | IP 7112102 | ALARA Planning and Controls | | 10/02/2006 10/06/2006 | Baseline Inspections |
| | 7111108P - UNIT 2 INSERVICE INSPECTION | | 1 | | |
| 2 | IP 7111108P | Inservice Inspection Activities - PWR | | 10/10/2006 10/20/2006 | Baseline Inspections |
| | TI-166 - UNIT 2 CONTAINMENT SUMP MODIFICATIONS | | 1 | | |
| 2 | IP 2515/166 | Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02] | | 10/23/2006 10/27/2006 | Safety Issues |
| | TI-169 - MSPI VERIFICATION | | 2 | | |
| 1,2 | IP 2515/169 | Mitigating Systems Performance Index Verification | | 11/01/2006 12/15/2006 | Safety Issues |
| | 71004 - POWER UPRATE - EC/FAC | | 1 | | |
| 1,2 | IP 71004 | Power Uprate | | 12/04/2006 12/08/2006 | Other Routine |
| | 7112103 - OCC RAD SAFETY - INSTRUMENTS | | 1 | | |
| 1,2 | IP 7112102 | ALARA Planning and Controls | | 12/11/2006 12/15/2006 | Baseline Inspections |
| | TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION | | 6 | | |
| 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 |
| | 71114 - EP PRGM INSP | | 1 | | |
| 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 |
| | 7112101 - OCC RAD SAFETY | | 1 | | |
| 1,2 | IP 7112101 | Access Control to Radiologically Significant Areas | | 03/05/2007 03/09/2007 | Baseline Inspections |
| | 71152B - PI&R | | 4 | | |
| 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 Start | Planned Dates End | Inspection Type |
|-------------|---|--|----------------------|---------------------|-------------------|----------------------|
| | 7111111B - LO REQUAL. PROG.(FOCUS U2)+P/F RVW | | 3 | | | |
| 1, 2 | IP 7111111B | Licensed Operator Requalification Program | | 05/28/2007 | 07/06/2007 | Baseline Inspections |
| | 7112201 - PUB RAD SAFETY - RETS | | 1 | | | |
| 1, 2 | IP 7112201 | Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems | | 05/14/2007 | 05/18/2007 | Baseline Inspections |
| | 7111117B - MODS AND 50.59 | | 4 | | | |
| 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 |
| | 7112203 - PUB RAD SAFETY - REMP | | 1 | | | |
| 1, 2 | IP 7112203 | Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Pr | | 07/09/2007 | 07/13/2007 | Baseline Inspections |
| | 11/12EXM - U1 OPERATOR LICENSING INITIAL EXAM | | 3 | | | |
| 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 |
| | 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 |
| | 7112102 - OCC RAD SAFETY - ALARA | | 1 | | | |
| 1, 2 | IP 7112102 | ALARA Planning and Controls | | 10/29/2007 | 11/02/2007 | Baseline Inspections |
| | 7111107 - HEAT SINK INSP | | 2 | | | |
| 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 |
| | 7112102 - OCC RAD SAFETY - ALARA | | 1 | | | |
| 1, 2 | IP 7112102 | ALARA Planning and Controls | | 03/24/2008 | 03/28/2008 | Baseline Inspections |

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.