

**Lew W. Myers**  
Senior Vice President

724-682-5234  
Fax: 724-643-8069

August 23, 2001  
L-01-109

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555-0001

**Subject: Beaver Valley Power Station, Unit No. 2  
Docket No. 50-412, License No. NPF-73  
Updated Final Safety Analysis Report  
Revision 12, October 2000**

This letter forwards three CD-ROMs containing Revision 12 of the Beaver Valley Power Station, Unit No. 2 Updated Final Safety Analysis Report (UFSAR). The submittal reflects changes to the facility and procedures as described in the UFSAR that were completed during the reporting period ending October 25, 2000. Although not required, most changes completed after the reporting period have also been included. A schedular exemption to 10 CFR 50.71(e) requirements was granted per letter dated April 23, 2001, that allowed the normal submittal date of April 25, 2001 to be extended to August 23, 2001. This extension was requested to accommodate development of an electronic UFSAR for submittal.

To the best of our judgment and belief, this revision accurately presents changes made since the previous submittal which are necessary to reflect information and analyses submitted to the Commission or prepared pursuant to Commission requirements. This revision includes:

- Changes identified in the annual "Report of Facility Changes, Tests and Experiments." This report is submitted separately under the provisions of 10 CFR 50.59.
- Changes resulting from technical specification amendments.
- Changes to the quality assurance program which were made under the provisions of 10 CFR 50.54.
- Changes reflecting a more current organization.

ACSB  
1/3 CD's

- Changes permitted by Regulatory Guide 1.181 that are not required to be submitted through other reporting means. These are described on Attachment 1.
- Editorial changes intended to correct or clarify the text and figures of the UFSAR.

If you have any questions concerning the attached, please contact Mr. Thomas S. Cosgrove, Manager, Regulatory Affairs at 724-682-5203.

Sincerely,



Lew W. Myers

- c: Mr. L. J. Burkhardt, Project Manager (w/o CD)  
Mr. D. M. Kern, Sr. Resident Inspector (w/o CD)  
Mr. H. J. Miller, NRC Region I Administrator (w/o CD)

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bc: w/o attachments

OSC Members

M. E. O'Reilly

Central File - *Keywords: UFSAR*

**ATTACHMENT 1**  
**Changes Permitted by Regulatory Guide 1.181**

**2-12-139**

This change deleted UFSAR Figures 9.3-17, 9.3-18, 9.3-19, 9.3-20. These figures contained excessive detail, which was not necessary to provide an understanding of the plant's design and operation. The text references to these figures were also deleted.

**2-12-144**

Organization figures and text referencing to those figures have been deleted. The figures were redundant to textual descriptions and contained excessive detail, which was not necessary to provide an understanding of the plant's design and operation.

**2-12-145**

This change replaced UFSAR Figures 10.4-23, 11.2-2, 11.2-3, 11.2-4, 11.2-5, and 11.2-6 with a simplified figure, and deleted Figures 11.2-2, 11.2-3, 11.2-4, 11.2-5, and 11.2-6. These figures contained excessive detail, which was not necessary to provide an understanding of the plant's design and operation.

**2-12-146**

This change replaced UFSAR Figures 9.3-21, 9.3-22, 9.3-23, 9.3-24, and 9.3-25 with a simplified figure, and deleted 9.3-22, 9.3-23, 9.3-24, and 9.3-25. These figures contained excessive detail, which was not necessary to provide an understanding of the plant's design and operation. The text references to these figures were also deleted.

**2-12-147**

This change deleted Figures 9.3-6, 9.3-7, 9.3-8, 9.3-9, 9.3-10, 9.3-11, sheet 1, and 9.3-11, sheet 2. These figures contained excessive detail, which was not necessary to provide an understanding of the plant's design and operation. The text references to these figures were also deleted.

**2-12-148**

This change replaced Figures 1.2-1, Site Plan, and 1.2-2, Station Arrangement with simplified figures. These figures contained excessive detail, which was not necessary to provide an understanding of the plant's design and operation.

**2-12-149**

This change deleted Figure 1.7-1. This figure contained excessive detail, which was not necessary to provide an understanding of the plant's design and operation. The text references to this figure were also deleted.

**2-12-150**

This change deleted excessive detail by removing general statements regarding training of personnel in engineering support positions. The engineering support personnel training will continue to meet ANSI N18.1971 section 5.3 as endorsed by RG 1.8 and described in the UFSAR.

**2-12-151**

This change deleted figures 9.3-13, 9.3-14, 9.3-15, 9.3-16, 9.3-17, 9.3-19, and 9.3-20. These figures contained excessive detail, which was not necessary to provide an understanding of the plant's design and operation. The text references to these figures were also deleted.

**2-12-154**

This change removed the secondary alarm station from the list of post-accident vital areas subject to TMI Item II.B.2. Since manning of this area is not required, this information was considered to be excess detail.

**2-12-205**

This change deleted the description of the Maintenance Training Program, Table 13.2-5, and its references in text section 13.2.2.3, which contained excessive detail. The details of the Maintenance Training Program reside in procedure 1/2 ADM 1331 Maintenance Personnel Training. This change was considered to be excessive detail per Regulatory Guide 1.181.

**2-12-213**

This change deleted UFSAR Figures 11.5-6, Typical In-Line Gas/Liquid Monitor (for Small Diameter Pipes), and 11.5-7, Typical In-Line Duct/Pipe Mounted Gas/Steam Rupture. The figures were determined to contain excessively detailed information. The text references to these figures were also deleted.

#### **2-12-214**

This change deleted UFSAR Figures 10.2-2, Secondary Plant Miscellaneous Drains System, 10.2-3, Secondary Plant Miscellaneous Drains System, 10.2-6, Turbine Lube Oil System, 10.2-7, Piping: Turbine Lube Oil System, and 10.2-9, Hydrogen Seal Oil System. The text references to these figures were also deleted.

#### **2-12-215**

This change deleted UFSAR Figure 10.3-5, Chemical Feed System. The figure was determined to contain excessively detailed information. The text reference to this figure was also deleted.

#### **2-12-217**

This change deleted UFSAR Figure 6.3-7 (sheets 1 and 2 of 2), ECCS Recirculation Spray, and Quench Spray Systems Schematic. The figure duplicates information that is contained in UFSAR Figures 6.2-121, 6.2-122, and 6.3-1. The text reference to this figure was also deleted.

#### **2-12-220**

This change deleted UFSAR Figures 10.4-4, Piping: Cooling Tower Pumping System, 10.4-5, Piping: Vacuum Priming System, 10.4-6, Condenser Tube Cleaning System, 10.4-17 and 10.4-18, High Point Heater Drains System, 10.4-19 and 10.4-20, Low Point Heater Drains System, 10.4-21 and 10.4-22, Drains-Reheat System, 10.4-27 through 10.4-31, Hot Water Heating System, 10.4-32, Secondary Plant Valve Stem Leakoff System, 10.4-36, Piping: Feedwater Heater Vent System, 10.4-37, Auxiliary Boiler Steam and Blowdown System, 10.4-38, Auxiliary Boiler Feedwater and Condensate, 10.4-39, Auxiliary Boiler-Fuel Oil-Nitrogen-Propane, 10.4-40, Auxiliary Boiler-Combustion Air and Breeching. The figures were determined to contain excessively detailed information. The text references to these figures were also deleted.

#### **2-12-222**

This change eliminated excessive detail regarding the specific voltage level applied to plant batteries for equalizing charge.

#### **2-12-226**

This change deleted UFSAR Figures 7.1-3, Solid State Protection System Input Relay Bay, 8.3-5, Electric Heat Tracing Key Plan and Summary, 8.3-6, Key Interlocks 4160V Swing Motors, 8.3-7, Key Interlocks 480V Swing Motors, 8.3-8, 480V MCC Manual

Source Selection Scheme for RHR Suction Valves, 8.3-10, Protective Relaying-Bus 2 DF and 2 AE, 8.3-11, Separation Logic Bus 2 AE and Bus 2 DF-Fault Analysis, and 8.3-12, Electrical Penetration Assembly. The figures were determined to contain excessively detailed information. The text references to these figures were also deleted.

**2-12-230**

This change deleted UFSAR Figures 7.6-5, Typical Reactor Coolant System Loop With Loop Stop Valves, 10.2-8, Electro-Hydraulic Control System, 11.5-3, Off-Line Gas And Particulate Monitor, 11.5-4, Off-Line Gas Monitor, 11.5-5, Radiation Monitoring System Off-Line Liquid Monitor, and 11.5-8, Radiation Monitoring System Functional Diagram. These figures were determined to contain excessively detailed information. The text references to these figures were also deleted.

**2-12-234**

This change deleted UFSAR Figures 9.2-17, 9.2-18, 9.2-19, and 9.2-20. These figures were determined to contain excessively detailed information. The text references to these figures were also deleted.

**2-12-248**

The specific chemical injection point for biocide in the Service Water System has been removed from the UFSAR. The change was considered to be excessive detail as described in Regulatory Guide 1.181.