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SECTION 12

CONDUCT OF OPERATIONS

12.1 BEAVER VALLEY POWER STATION UNITS 1 AND 2 ORGANIZATIONAL STRUCTURE

The design, construction, and operations phase organizations for BVPS-1 and BVPS-2 are described in the BVPS-2 Updated Final Safety Analysis Report, Section 13.

12.2 TRAINING

The following Beaver Valley Power Station Training Programs along with applicable U.S. Nuclear Regulatory Commission Documents are described in Section 13.2 of the Unit 2 Updated Final Safety Analysis Report.

1. Operator Replacement and Requalification Training Program, and
2. Training Programs for Non-Licensed Plant Staff.

12.3 EMERGENCY PLANNING

The Beaver Valley Power Station Emergency Preparedness Program is described in Section 13.3 of the Unit 2 Updated Final Safety Analysis Report.

12.4 REVIEW AND AUDIT

Activities of the on-site review committee and the independent review and audit committee are described in Section 13.4 of the BV-2 UFSAR.

12.5 PROCEDURES

Various administrative and operating procedures have been established for the Beaver Valley Power Station (BVPS) operating organization to ensure that routine operating, off-normal, and emergency activities are conducted in a safe manner. These procedures have been established, implemented and maintained covering the applicable procedures recommended in Appendix A of Regulatory Guide 1.33.

Detailed guidelines for the preparation of procedures have been developed for each type of required written procedure. These guidelines include the information required to be included in the procedures, the appropriate references for precaution and limitations, the review and approval sequence for the various types and safety categories of equipment and systems, and the method to implement temporary and permanent changes to the procedures.

The operating procedures for the Nuclear Steam Supply System were initially provided by the Westinghouse Electric Corporation. The station staff has converted these procedures to a standardized Beaver Valley format.

The procedures for the balance of plant systems were developed from detailed system descriptions and logic diagrams provided by the Stone & Webster Engineering Corporation. All procedures were initially verified and/or modified during the preoperational, hot functional, and startup testing programs which are described in Section 13.

Similar processes for the preparation of chemical and radiological control procedures have been followed.

A summary of the procedure preparation, review, and approval process may be found in BVPS administrative procedures. Changes to safety-related procedures will be reviewed as described in the [FENOC Quality Assurance Program Manual](#).

No safety-related operation is performed without a detailed, approved, written procedure.

12.5.1 Station Administrative Procedures

Station administrative procedures establish methods and controls which aid in the safe and efficient operation of BVPS. These procedures are intended to direct plant personnel in the performance of safety-related functions in accordance with regulatory requirements and Technical Specifications of the facility operating license.

12.5.2 Operating Procedures

The BVPS-1 Operating Manual has been written. No change in station parameters that may affect the reactivity or power level of the core, and no change in valving or switching that may compromise the availability of engineered safeguards will be made without written procedures.

12.5.3 Maintenance Procedures

The BVPS Maintenance Manual has been prepared to establish a formal maintenance program that minimizes outages and assures the safe, efficient production of electrical power and to outline standardized methods of implementation for maintenance work performed on safety-related systems and equipment consistent with the Quality Assurance Program.

12.5.4 Chemical Procedures

The BVPS Chemistry Manual establishes procedures to ensure that routine and special chemical and radiochemical tests and analyses produce meaningful, reproducible results.

12.5.5 Radiation Protection Procedures

Radiation protection procedures ensure that the radiation exposure (TEDE) received by persons working in, or making visits to BVPS-1 is as low as reasonably achievable. Radiation protection procedures are structured, and revised as necessary, to provide guidance for station supervision, radiation protection personnel, and station Radiation Workers. In addition, appendices and Radiological Emergency Operating Procedures are prepared as necessary to provide supplemental information and to support emergency operations.

12.6 PLANT RECORDS

Activities concerning plant records are described in the [FENOC Quality Assurance Program Manual](#).

12.7 SECURITY

BVPS has prepared a security plan that meets the intent of the Regulatory Guide 1.17. This plan provides the protection needed to meet the general performance requirements of 10 CFR 73.55(a) and the objectives of the specific requirements of 10 CFR 73.55, paragraphs (b) through (h).

The approved security plan, withheld from public disclosure pursuant to 10 CFR 2.790(d) and 73.21, "Requirements for the Protection of Safeguards Information," is identified as the "Beaver Valley Power Station Physical Security Plan."

12.8 INDUSTRIAL SAFETY

The Industrial Safety program at BVPS protects the safety and health of its employees, as well as contractor personnel and the general public. This program is responsive to the Occupational Safety and Health Act of 1970.

Industrial safety is a line-management responsibility. Every person at BVPS is responsible to work safely and ensure a safe work environment. A safe job performance and environment are assured by adhering to established safety requirements in the Industrial Safety Manual.

The Radiological Safety program, as documented in radiation protection procedures, is described in Section 11.5.4. |