



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

DOCKET NO. 50-397

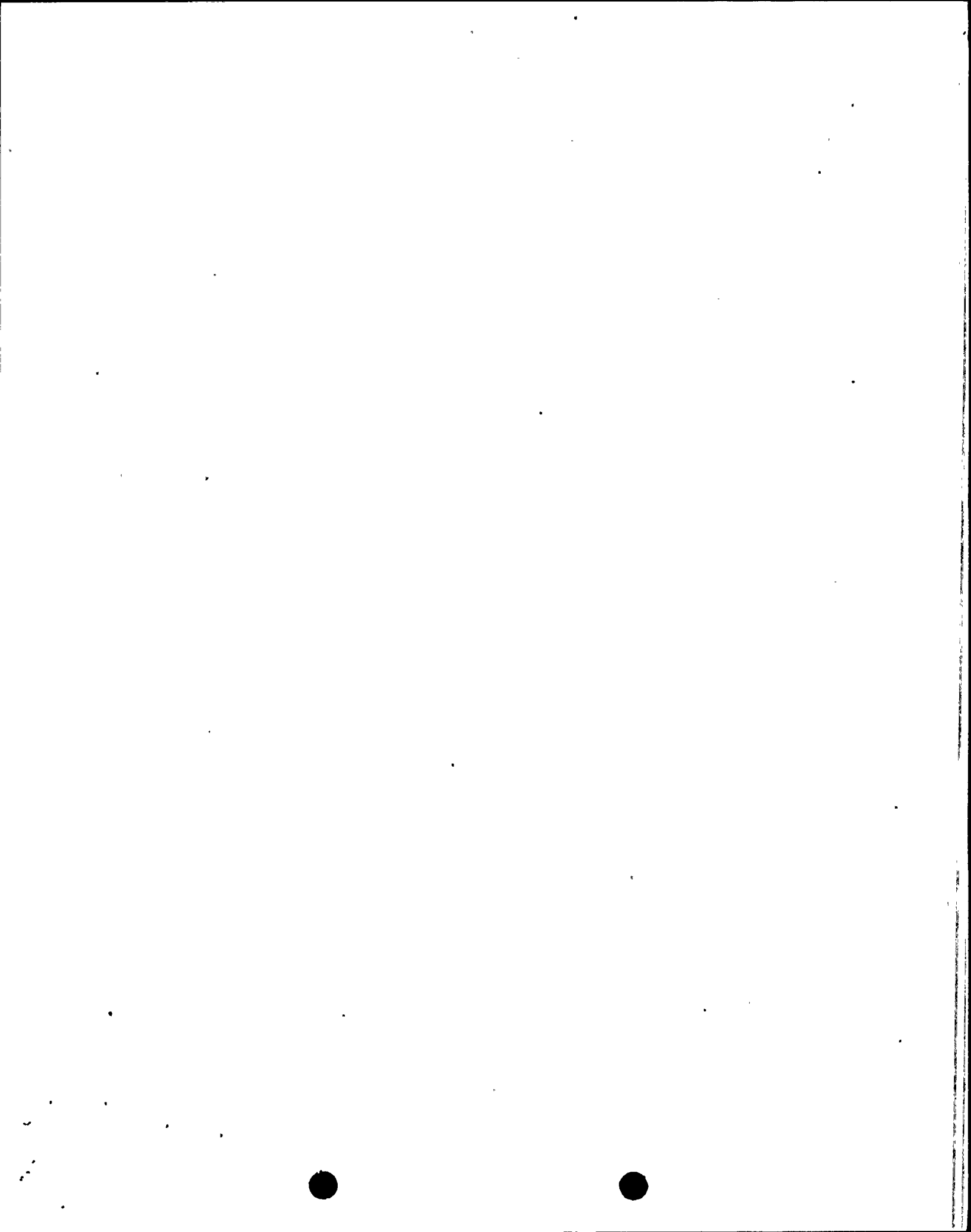
NUCLEAR PROJECT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 151  
License No. NPF-21

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by the Washington Public Power Supply System (licensee) dated May 20, 1997, as supplemented by letters dated June 6, 1997, and July 3, 1997, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public;  
and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. NPF-21 is hereby amended to read as follows:

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P PDR



(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 151 and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

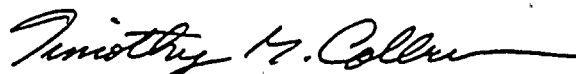
In addition, the license is amended as indicated in Appendix C attached to this license amendment and paragraph 2.C.(30) of Facility Operating License No. NPF-21 is hereby amended to read as follows:

(30) Additional Conditions

The Additional Conditions contained in Appendix C, as revised through Amendment No. 151, are hereby incorporated into this license. Washington Public Power Supply System shall operate the facility in accordance with the Additional Conditions.

3. This license amendment is effective as of its date of issuance to be implemented prior to startup for Cycle 13 for the MCPR limits and prior to exceeding 25 percent power for Cycle 13 for the additional conditions in Appendix C. Implementation shall include for Cycle 13, accommodating the variability in the agreement between the US96A7 correlation predictions and the calculated matrix CPR values as identified in the licensee's July 3, 1997, letter, and evaluated in the staff's Safety Evaluation attached to this amendment.

FOR THE NUCLEAR REGULATORY COMMISSION



Timothy G. Colburn, Senior Project Manager  
Project Directorate IV-2  
Division of Reactor Projects III/IV  
Office of Nuclear Reactor Regulation

Attachments: 1. Changes to the Technical  
Specifications  
2. Appendix C

Date of Issuance: July 3, 1997



ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 151 TO FACILITY OPERATING LICENSE NO. NPF-21

DOCKET NO. 50-397

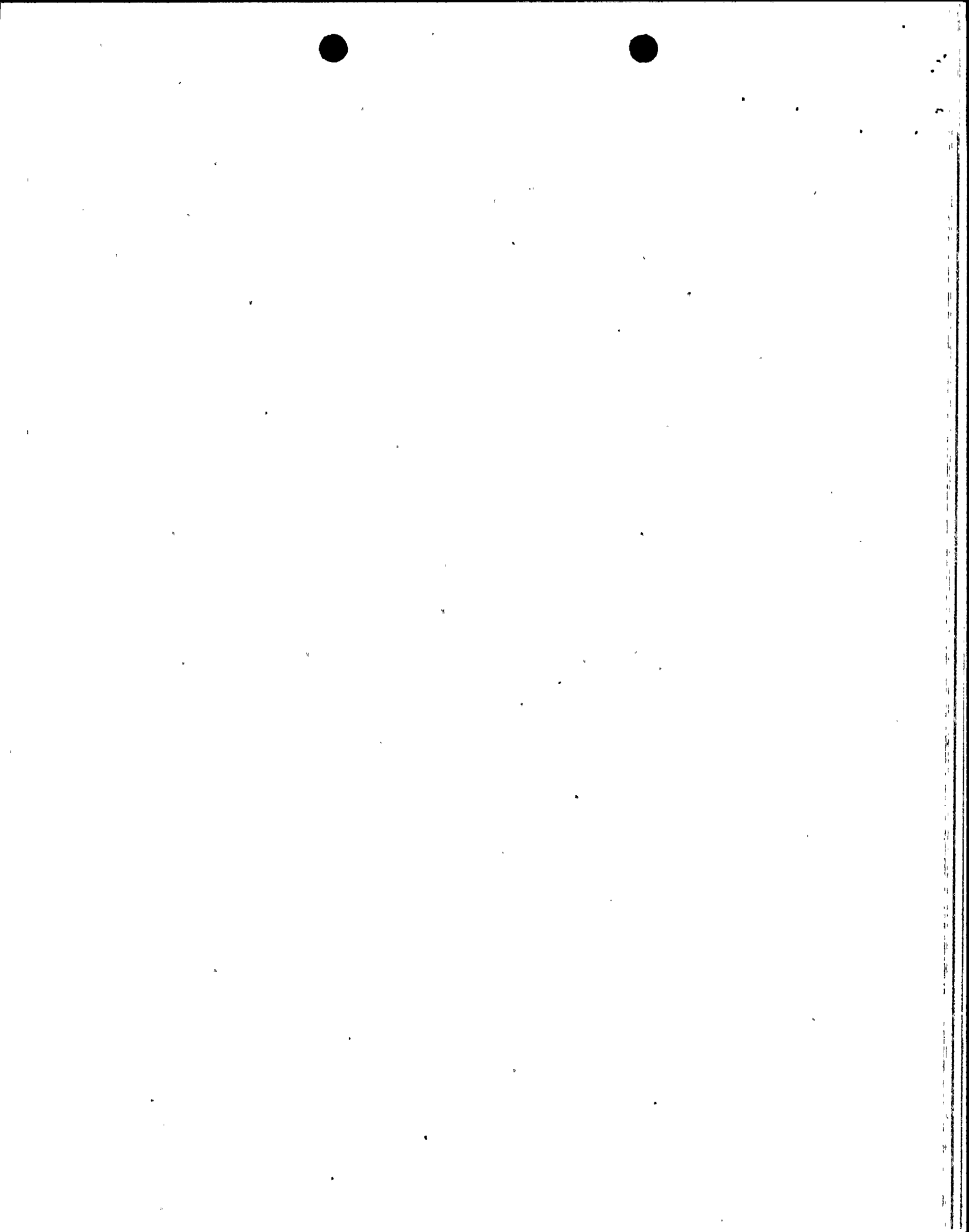
Replace the following page of the Appendix A Technical Specifications with the enclosed page. The revised page is identified by amendment number and contains vertical lines indicating the areas of change.

REMOVE

2.0-1

INSERT

2.0-1



## 2.0 SAFETY LIMITS (SLs)

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### 2.1 SLs

#### 2.1.1 Reactor Core SLs

2.1.1.1 With the reactor steam dome pressure  $< 785$  psig or core flow  $< 10\%$  rated core flow:

THERMAL POWER shall be  $\leq 25\%$  RTP.

2.1.1.2 With the reactor steam dome pressure  $\geq 785$  psig and core flow  $\geq 10\%$  rated core flow:

The MCPR for ATRIUM-9X fuel shall be  $\geq 1.13$  for two recirculation loop operation or  $\geq 1.14$  for single recirculation loop operation. For all other fuel, the MCPR shall be  $\geq 1.07$  for two recirculation loop operation or  $\geq 1.08$  for single recirculation loop operation. The MCPR limits for the ATRIUM-9X fuel are applicable to Cycle 13 only.

2.1.1.3 Reactor vessel water level shall be greater than the top of active irradiated fuel.

#### 2.1.2 Reactor Coolant System Pressure SL

Reactor steam dome pressure shall be  $\leq 1325$  psig.

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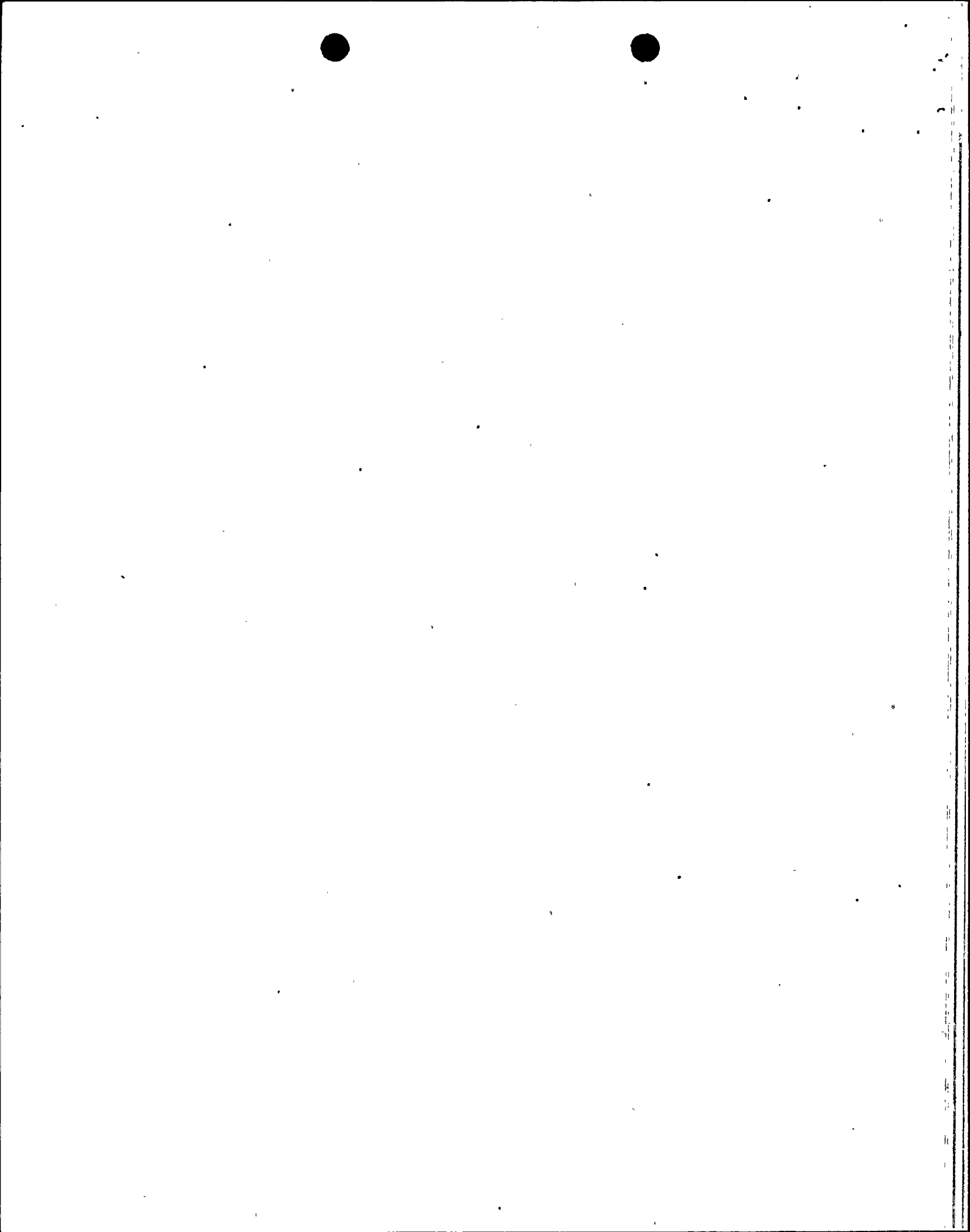
### 2.2 SL Violations

With any SL violation, the following actions shall be completed within 2 hours:

2.2.1 Restore compliance with all SLs; and

2.2.2 Insert all insertable control rods.

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APPENDIX C

ADDITIONAL CONDITIONS

FACILITY OPERATING LICENSE NO. NPF-21

Washington Public Power Supply System shall comply with the following conditions on the schedules noted below:

<u>Amendment Number</u>	<u>Additional Condition</u>	<u>Implementation Date</u>
149	<p>The licensee shall relocated certain technical specification requirements to licensee-controlled documents as described below. The location of these requirements shall be retained by the licensee.</p> <p>a. This licensee condition approves the relocation of certain technical specification requirements to licensee-controlled documents (e.g., UFSAR, LCS, etc.), as described in Attachment 1 to the licensee's letter dated January 14, 1997. The approval is documented in the staff's safety evaluation dated March 4, 1997.</p>	Implementation shall be completed by June 30, 1997.
149	Regulatory Guide 1.160 commitments as as described in Attachment 1 to the licensee's letter dated January 14, 1997.	Implementation shall be completed 90 days from the date of issuance of Amendment 149.
151	To ensure sufficiently conservative SPC 9x9-9 OLMCPRs, the calculation of $\Delta$ CPR will include a conservative adder based on the variability observed in the US96A7 comparison with the ANFB correlation. This adder will be at a minimum, the greater of two times the standard deviation in the mean error of the predictions relative to the calculated matrix values or a factor of 0.975 applied to the $\Delta$ CPR calculation, and will be independent of the 0.975 factor included in the US96A7 correlation as a conservative bias to the the US96A7 predictions of CPR for the SPC fuel.	Implementation shall be completed prior to exceeding 25 percent power for Cycle 13.

