



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 37 TO FACILITY OPERATING LICENSE NO. NPF-21
WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPPSS NUCLEAR PROJECT NO. 2
DOCKET NO. 50-397

1.0 INTRODUCTION

License Condition 16, Attachment 2, item 3(a) to the WNP-2 Operating License states that:

"The licensee shall implement (installation or upgrade) requirements of R.G. 1.97 Revision 2 with the exception of flux monitoring prior to startup following the first refueling outage."

In fulfillment of this license condition, during the Spring 1986 refueling outage, the Supply System replaced the Hydrogen-Oxygen (H₂-O₂) Analyzers with a qualified replacement. The replacement analyzer system is designed so that a specific sample gas concentration is not necessary to ensure proper calibration of the instruments. Accordingly, by letter dated March 14, 1986, the licensee proposed an amendment to the WNP-2 Technical Specifications which would delete a reference to a specific sample gas concentration from Technical Specification Table 4.3.7.5-1.

2.0 EVALUATION

The current Technical Specifications require that a specific sample gas concentration be used in performing channel calibration of the H₂-O₂ Analyzers. The replacement H₂-O₂ Analyzer system uses a micro-processor which automatically compensates for containment temperature and pressure. The micro-processor is also used for calibration. A specific calibration gas concentration is, therefore, not required with the replacement system. This is because changes in the H₂ or O₂ calibration gas concentrations are entered into the micro-processor and are directly compared to the compensated output signals of the H₂ and O₂ sensors during calibration. The deletion of a precisely specified calibration gas concentration in the replacement system does not affect the capability of the H₂-O₂ Analyzer system to meet the instrument range requirements. As a result, the licensee anticipates a significant increase in system operability. On the basis of our evaluation, we find that it is acceptable to delete the reference to a precise sample gas concentration in the WNP-2 Technical Specifications (Table 4.3.7.5-1) because a precise gas concentration is not needed for the replacement H₂-O₂ Analyzer system.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change in the installation and use of a facility component located within the restricted area as defined in 10 CFR Part 20

and changes in surveillance requirements. The staff has determined that this amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration, and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 CONCLUSION

The Commission made a proposed determination that the amendment involves no significant hazards consideration which was published in the FEDERAL REGISTER (51 FR 32280) on September 10, 1986, and consulted with the state of Washington. No public comments were received, and the state of Washington did not have any comments.

We have concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

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Dated: March 27, 1987