



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

SAFETY EVALUATION

AMENDMENT NO. 19 TO NPF-21

WPPSS NUCLEAR PROJECT NO. 2

DOCKET NO. 50-397

INTRODUCTION

By letter dated May 22, 1985, the Washington Public Power Supply System proposed certain changes to the Technical Specifications for WNP-2.

The proposed change to Surveillance Requirement 4.8.1.1.2 would make the minimum allowable voltage uncertainty on auto starting of diesel generator units, DG-1 and DG-2, consistent with the diesel generator breaker closure permissive setpoint.

EVALUATION

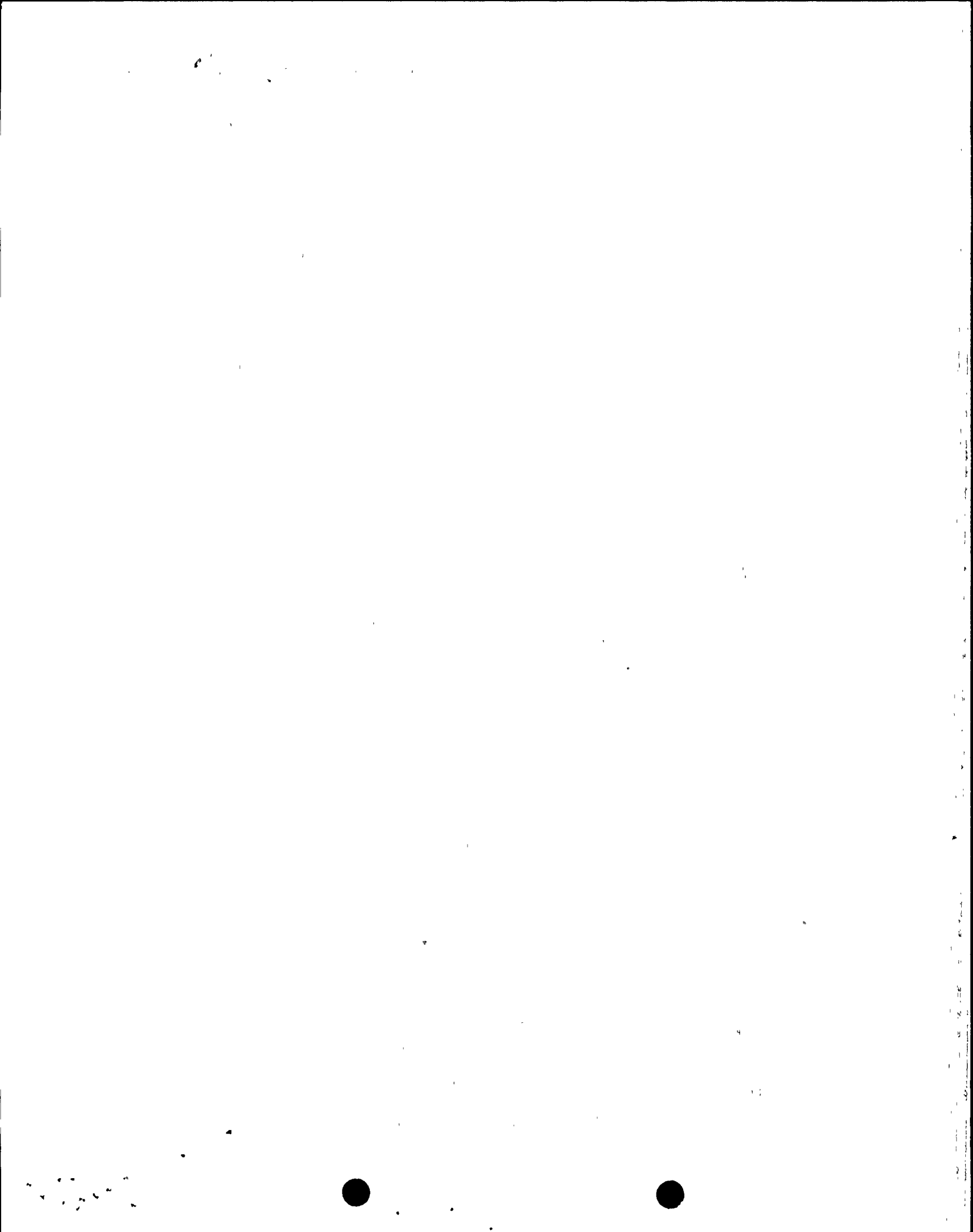
The current technical specification of WNP-2 potentially allows the establishment of a condition that could preclude operation of the diesel generators without additional operator action. Design of the Division 1 and 2 diesel generator breakers will not allow closure of the breaker until the voltage is within 94% of rated voltage (3910 volts). Current technical specifications require voltage to be 4160 ± 420 volt. Thus the minimum allowable voltage, 3740 volts, can be less than the breaker closure permissive setpoint.

The 94% setpoint was established to ensure that the diesel generators will be able to accept the first load block during initial loading. Based on a voltage analysis, a minimum voltage of 3910 volts (94% of rated voltage) was established so as to maintain the diesel generator output voltage above 80% of rated voltage from no load to full load without operator action.

The new technical specification on voltage range for starting will be between $4160 + 420$ volts and $4160 - 250$ volts. This diesel generator voltage with uncertainties specifies a minimum allowable voltage for the diesel generator consistent with the permissible voltage setpoint to close the output breaker. Based on our evaluation of the change and its justification, the staff concludes that the proposed change to the technical specifications reflects appropriate system coordination to improve the availability of the diesel generators and is, therefore, acceptable.

The licensee has determined that this change has little safety significance and that the proposed amendment will not alter any of the accident analyses. The staff has reviewed these determinations and the associated change and concurs with the licensee's determinations.

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ENVIRONMENTAL CONSIDERATION

This amendment involves a change to the requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant change in the types or significant increase in the amounts of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposures. The Commission has determined that this amendment involves no significant hazards consideration. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Section 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.

CONCLUSION

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.

Dated: NOV 22 1985

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