



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NOS. 102 AND 89 TO

FACILITY OPERATING LICENSE NOS. NPF-4 AND NPF-7

VIRGINIA ELECTRIC AND POWER COMPANY

OLD DOMINION ELECTRIC COOPERATIVE

NORTH ANNA POWER STATION, UNITS NO. 1 AND NO. 2

DOCKET NOS. 50-338 AND 50-339

INTRODUCTION

By letter dated April 1, 1987, the Virginia Electric and Power Company (the licensee) requested amendments to the North Anna Power Station, Units No. 1 and No. 2 (NA-1&2) Technical Specifications (TS). The proposed amendments are in conformance with NUREG-0452, Revision 3, "Standard Technical Specifications for Westinghouse Pressurized Water Reactors," and the NRC letter dated August 15, 1980 which was issued to all Westinghouse Pressurized Water Reactor licensees.

DISCUSSION

The current NA-1&2 TS 3/4.9.10 requires at least 23 feet of water be maintained over the top of the reactor pressure vessel flange during core alterations while in Mode 6. The basis for TS 3/4.9.10 is to ensure that sufficient water depth is available to prevent inadvertent exposure of a fuel assembly during transfer from the vessel seated position to the fuel transfer system and to remove iodine fission products held within the fuel-clad gap released from a fuel assembly if an accidental fuel assembly rupture occurred.

The proposed change would allow the reactor vessel water level to be lowered to the level of the upper internals in order to install the upper internals lifting rig. As the upper internals are lifted, the reactor vessel water level will be increased. Removing the upper internals in this manner prevents contamination of the upper internals lifting rig.

The present NA-1&2 TS 3/4.9.10 is unclear with respect to allowing the reactor vessel water level to be lowered to the level of the upper internals in order to install the upper internals lifting rig while in Mode 6. As presently specified, the NA-1&2 3/4.9.10 states that at least 23 feet of water shall be maintained over the top of the reactor vessel flange during core alterations while in Mode 6. Therefore, the proposed change would require at least 23 feet of water be maintained over the top of the reactor vessel flange during the movement of fuel assemblies or control rods within the reactor pressure vessel while in Mode 6.

EVALUATION

The proposed change to the NA-1&2 3/4.9.10 would remove the ambiguity as noted above and enhance refueling operations while in Mode 6. In addition, the proposed change is in conformance with NUREG-0452, Revision 3, Westinghouse Standard TS for Westinghouse Pressurized Water Reactors and the clarification provided by NRC letter dated August 15, 1980. Therefore, based on all of the above, the staff finds the proposed change to be acceptable.

ENVIRONMENTAL CONSIDERATION

These amendments involve a change in the 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 amendments involve 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 published a proposed finding that the amendments involve no significant hazards consideration and there has been no public comment on such finding. Accordingly, the amendments meet 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 the amendments.

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 the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Date: May 23, 1988

Principal Contributors:

S. Tingen
L. Engle