



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 122 TO FACILITY OPERATING LICENSE NO. DPR-32
AND AMENDMENT NO. 122 TO FACILITY OPERATING LICENSE NO. DPR-37
VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION, UNIT NOS. 1 AND 2
DOCKET NOS. 50-280 AND 50-281

INTRODUCTION

By letter dated May 14, 1987, the Virginia Electric and Power Company (the licensee) proposed changes to Technical Specifications (TS) Section 4.9, "Effluent Sampling and Radiation Monitoring System," for the Surry Power Station Units No. 1 and No. 2 (SPS 1&2). Specifically, Table 4.9-4 has a reporting level of I-131 for water as 2 pCi/liter. The proposed amendments would keep the reporting level of I-131 for ground (drinking) water samples as 2 pCi/liter and change the reporting level of I-131 for surface (non-drinking) water samples to 20 pCi/liter. Also, Table 4.9-5, "Detection Capabilities for Environmental Sample Analysis" currently has a lower limit of detection of I-131 for water as 10 pCi/liter. The proposed amendments would change the lower limit of detection of I-131 for ground (drinking) water samples to 1 pCi/liter and keep the lower limit of detection of I-131 for surface (non-drinking) water samples as 10 pCi/liter. The amendments would also insert symbols that were inadvertently deleted on page TS 4.9-15 of the Surry Technical Specifications. The changes are proposed to make the Surry TS consistent with the guidance provided by the staff in NUREG-0472, "Radiological Effluent Technical Specifications for PWRs, Revision 2."

DISCUSSION AND EVALUATION

NUREG-0472 provides Radiological Effluent Technical Specifications for pressurized water reactors, which the staff finds to be an acceptable standard for licensing actions. The Radiological Effluent Technical Specifications for SPS 1&2 were issued on June 19, 1984. However, the present TS for SPS 1&2 require some clarifications regarding reporting levels for radioactivity concentrations and detection capabilities for I-131 in water samples. Specifically, Tables 4.9-4 and 4.9-5 list the reporting level for I-131 in water samples as 2 pCi/liter while the lower limit of detection level is shown as 10 pCi/liter. The reporting level of 2 pCi/liter for I-131 is consistent with the staff's guidance in NUREG-0472. However, this reporting level is applicable to ground (drinking) water only. For the surface (non-drinking) water, the reporting level for I-131 is 20 pCi/liter. The proposed change by the licensee will make the reporting level consistent with the guidance in NUREG-0472. Similarly, in Table 4.9-5, the licensee has proposed to change the lower limit of detection for I-131 from 10 pCi/liter to 1 pCi/liter for ground (drinking) water and 10 pCi/liter for surface (non-drinking) water. This is consistent with the guidance provided in NUREG-0472.

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Thus, the proposed changes in Tables 4.9-4 and 4.9-5 meet the intent of the guidance provided in NUREG-0472 and thereby fulfill the requirements of the regulations related to Radiological Effluent Technical Specifications. Therefore, they are acceptable to the staff. In addition, the licensee has inserted some symbols which were inadvertently deleted on page TS 4.9-15. This is an editorial change and found to be acceptable.

ENVIRONMENTAL CONSIDERATION

These amendments involve changes in reporting and administrative procedures or requirements and a change in the installation or use of the facilities components located within the restricted areas as defined in 10 CFR Part 20. The staff has determined that these 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 issued a proposed finding that these amendments involve no significant hazards consideration and there has been no public comment on such finding. Accordingly, these amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9) and (c)(10). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of these 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 these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: August 1, 1988

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