



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

ENVIRONMENTAL IMPACT APPRAISAL

BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 81 TO FACILITY OPERATING LICENSE NO. DPR-32

AND AMENDMENT NO. 82 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 October 6, 1982, the Virginia Electric and Power Company (the licensee) requested amendments to the Surry Power Station, Unit Nos. 1 and 2 licenses which would revise the Technical Specifications. This change would modify the reporting and notification requirements related to the instantaneous release rates of gaseous wastes.

Discussion and Evaluation

The proposed revision to the Surry Technical Specifications, Section 3.11.B, consists of the addition of subparagraphs b and c as shown here:

- 1a. The controlled release rates of gaseous wastes, excluding halogen and airborne particulates originating from station operation shall be limited as follows:

$$\sum \frac{Q_i}{(\text{MPC})_i} \leq 2.0 \times 10^5 \frac{\text{m}^3}{\text{sec}}$$

where  $Q_i$  is the controlled release rate (curies per second) of any radioisotope  $i$  and  $(\text{MPC})_i$ , in units of microcuries per cubic centimeter is defined in column 1, Table II of Appendix B to 10 CFR 20.

- b. With the release rate of gaseous wastes exceeding the above limit, without delay restore the release rate to within the limit.
- c. The provisions of specification 6.6.2.a are not applicable.

Section 3.11.B.1b is designed to ensure that the annual MPC limits will not be exceeded, by requiring the licensee to take action without delay should the instantaneous release rate, corresponding to 10 CFR 20 annual limits, be exceeded at any time. Section 3.11.B.1c removes the reporting requirement for violations of Section 3.11.B.1b. Section 3.11.B.2 reads as follows:

- 2. The release rates of activity shall not exceed 16 percent of those specified in paragraph B.1a above when averaged over any calendar quarter or 10 percent of those specified in paragraph B.1a above when averaged over any 12 consecutive months.

If the limits specified in this paragraph are exceeded, the licensee is required to report the release event to the NRC according to the provisions of Section 6.6.2a of the Technical Specifications. This requirement helps to ensure that releases to unrestricted areas will be kept as low as reasonably achievable.

The existing Technical Specifications, which do not include subparagraphs b and c of Section 3.11.B.1, require a report to be generated whenever the limit of Section 3.11.B.1a is exceeded in any amount. The proposed revision to the Technical Specifications eliminates this particular reporting requirement, while leaving intact the action requirement of 3.11.B.1a of the action and reporting requirements imposed by paragraph 3.11.B.2. The proposed Technical Specification is consistent with the Standard Radiological Effluent Technical Specifications for Pressurized Water Reactors (Rev. 3, June 1982).

The proposed revision will result in no environmental impact because there is no change in the limit on the release rate of gaseous wastes (3.11.B.1a), and because the licensee is required, as before, to take action without delay to restore the release rate to within the limit (3.11.B.1b) if it is exceeded. Therefore, the proposed Technical Specification will not change the total quantities or types of radioactivity discharged to the environment from the Surry Power Station.

Basis for Negative Declaration

On the basis of the foregoing evaluation, it is concluded that there would be no significant environmental impact attributable to the proposed action. Having made this conclusion, the Commission has further concluded that no environmental impact statement for the proposed action need be prepared and that a negative declaration to this effect is appropriate.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendments do not involve a significant increase in the probability or consequences of an accident previously evaluated, do not create the possibility of an accident of a type different from any evaluated previously, and do not involve a significant reduction in a margin of safety, the amendments do not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) 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: November 18, 1982

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