

UNITED STATES NUCLEAR REGULATORY COMMISSION  
VIRGINIA ELECTRIC AND POWER COMPANY  
DOCKET NOS. 50-280 AND 50-281  
SURRY POWER STATION, UNIT NOS. 1 AND 2  
ENVIRONMENTAL ASSESSMENT AND FINDING OF  
NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (NRC) is considering issuance of an amendment to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50, for Renewed Facility Operating License No. DPR-32, and Renewed Facility Operating License No. DPR-37 issued to Virginia Electric and Power Company (the licensee), for operation of the Surry Power Station, Unit Nos. 1 and 2 (Surry 1 and 2), located in Surry County. Therefore, as required by 10 CFR 51.21, the NRC is issuing this environmental assessment and finding of no significant impact.

ENVIRONMENTAL ASSESSMENT

Identification of the Proposed Action:

The proposed action would revise TS Section 5.0, "Design Features," to delete certain design details and descriptions included in TS 5.0 that are already contained in the Updated Final Safety Analysis Report or are redundant to existing TS requirements, and are not required to be included in the TSs by Title 10 of the *Code of Federal Regulations* (10 CFR), Part 50, Section 50.36(c)(4). The proposed change also revises the format of, and incorporates design descriptions into, TS 5.0 consistent with the content and format of NUREG-1431, "Standard Technical Specifications, Westinghouse Plants," to the extent practical. A minor editorial change is proposed to address a previously deleted paragraph.

The proposed action is in accordance with the licensee's application dated April 2, 2008.

The Need for the Proposed Action:

The proposed action allows the licensee to remove redundant or obsolete information from Technical Specification Section 5.0, "Design Features." The proposed change would also correct a TS numbering discrepancy introduced by a previous license amendment.

Environmental Impacts of the Proposed Action:

The NRC has completed its safety evaluation of the proposed action and concludes that (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security or the health and safety of the public.

The details of the staff's safety evaluation will be provided in the license amendment that will be issued as part of the letter to the licensee approving the license amendment.

The proposed action will not significantly increase the probability or consequences of accidents. No changes are being made in the types of effluents that may be released offsite. There is no significant increase in the amount of any effluent released offsite. There is no significant increase in occupational or public radiation exposure. Therefore, there are no significant radiological environmental impacts associated with the proposed action.

With regard to potential non-radiological impacts, the proposed action does not have a potential to affect any historic and cultural resources. It does not affect non-radiological plant effluents and has no other environmental impact. Therefore, there are no significant non-radiological environmental impacts associated with the proposed action.

Accordingly, the NRC concludes that there are no significant environmental impacts associated with the proposed action.

Environmental Impacts of the Alternatives to the Proposed Action:

As an alternative to the proposed action, the staff considered denial of the proposed action (i.e., the “no-action” alternative). Denial of the application would result in no change in current environmental impacts. The environmental impacts of the proposed action and the alternative action are similar.

Alternative Use of Resources:

The action does not involve the use of any different resources than those previously considered in the Final Environmental Statement for Surry 1 and 2, NUREG-1766, dated December 2002 and Final Supplemental Environmental Impact Statement (NUREG-1437 Supplement 6) dated November 2002.

Agencies and Persons Consulted:

In accordance with its stated policy, on November 20, 2008, the staff consulted with the Virginia State official, Karen Remley of the Virginia Department of Health, regarding the environmental impact of the proposed action. The State official had no comments.

FINDING OF NO SIGNIFICANT IMPACT

On the basis of the environmental assessment, the NRC concludes that the proposed action will not have a significant effect on the quality of the human environment. Accordingly, the NRC has determined not to prepare an environmental impact statement for the proposed action.

For further details with respect to the proposed action, see the licensee’s letter dated April 2, 2008. Documents may be examined, and/or copied for a fee, at the NRC’s Public Document Room (PDR), located at One White Flint North, Public File Area O1 F21, 11555 Rockville Pike (first floor), Rockville, Maryland. Publicly available records will be accessible electronically from the Agencywide Documents Access and Management System (ADAMS) Public Electronic Reading Room on the Internet at the NRC Web site,

<http://www.nrc.gov/reading-rm/adams.html>. Persons who do not have access to ADAMS or who encounter problems in accessing the documents located in ADAMS should contact the NRC PDR Reference staff by telephone at 1-800-397-4209 or 301-415-4737, or send an e-mail to [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov).

Dated at Rockville, Maryland, this 2nd day of December 2008.

FOR THE NUCLEAR REGULATORY COMMISSION

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