

May 20, 1991

Docket Nos. 50-280
and 50-281

DISTRIBUTION
See attached sheet

Mr. W. L. Stewart
Senior Vice President - Nuclear
Virginia Electric and Power Company
5000 Dominion Blvd.
Glen Allen, Virginia 23060

Dear Mr. Stewart:

SUBJECT: SURRY UNITS 1 AND 2 - ISSUANCE OF AMENDMENTS RE: GASEOUS EFFLUENT
RELEASE POINT (TAC NOS. 80063 AND 80064)

The Commission has issued the enclosed Amendment No. 157 to Facility Operating License No. DPR-32 and Amendment No. 156 to Facility Operating License No. DPR-37 for the Surry Power Station, Unit Nos. 1 and 2, respectively. The amendments consist of changes to the Technical Specifications (TS) in response to your application transmitted by letter dated March 27, 1991.

These amendments incorporate the location of the gaseous effluent release point associated with the newly constructed Radwaste Facility into Figure 5.1-1. In addition, a station process vent is also identified as a mixed mode release point.

A copy of the Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,

(Original signed by)

Bart C. Buckley, Senior Project Manager
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 157 to DPR-32
2. Amendment No. 156 to DPR-37
3. Safety Evaluation

cc w/enclosures:
See next page

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Virginia Electric and Power Company

Surry Power Station

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

VIRGINIA ELECTRIC AND POWER COMPANY

DOCKET NO. 50-280

SURRY POWER STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 157
License No. DPR-32

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Virginia Electric and Power Company (the licensee) dated March 27, 1991, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Facility Operating License No. DPR-32 is hereby amended to read as follows:

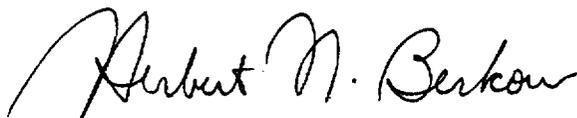
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(B) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 157, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Herbert N. Berkow, Director
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: May 20, 1991



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

VIRGINIA ELECTRIC AND POWER COMPANY

DOCKET NO. 50-281

SURRY POWER STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 156
License No. DPR-37

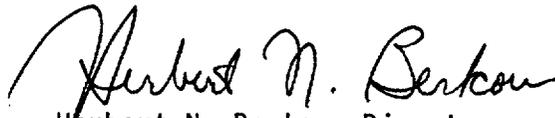
1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Virginia Electric and Power Company (the licensee) dated March 27, 1991, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Facility Operating License No. DPR-37 is hereby amended to read as follows:

(B) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 156, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Herbert N. Berkow, Director
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: May 20, 1991

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 157 FACILITY OPERATING LICENSE NO. DPR-32

AMENDMENT NO. 156 FACILITY OPERATING LICENSE NO. DPR-37

DOCKET NOS. 50-280 AND 50-281

Revise Appendix A as follows:

Remove Page

TS Figure 5.1-1

Insert Page

TS Figure 5.1-1

1 Inch = Approximately 1,000 Feet

JAMES RIVER

STATION

- A. Gaseous Release
 1. Process Vent - 131 Ft. - Mixed Mode
 2. Vent-Vent Stacks
Ground Level

B. Liquid Leaves Site

RADWASTE FACILITY

- C. Gaseous Release
Ground Level

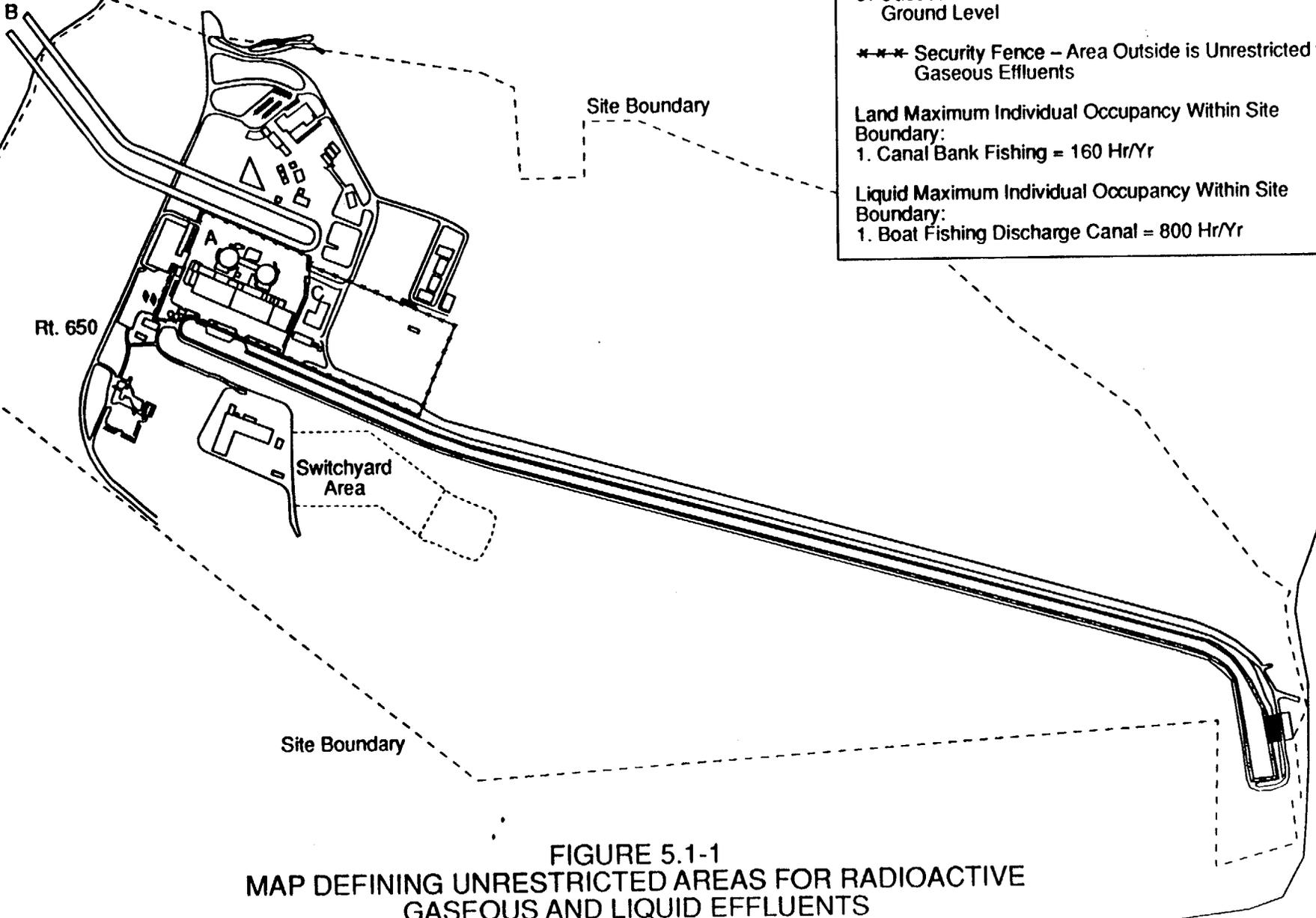
*** Security Fence – Area Outside is Unrestricted for Gaseous Effluents

Land Maximum Individual Occupancy Within Site Boundary:

- 1. Canal Bank Fishing = 160 Hr/Yr

Liquid Maximum Individual Occupancy Within Site Boundary:

- 1. Boat Fishing Discharge Canal = 800 Hr/Yr



JAMES RIVER

Amendment Nos. 157 and 156

**FIGURE 5.1-1
MAP DEFINING UNRESTRICTED AREAS FOR RADIOACTIVE
GASEOUS AND LIQUID EFFLUENTS**

TS Figure 5.1-1



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 157 TO FACILITY OPERATING LICENSE NO. DPR-32
AND AMENDMENT NO. 156 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

1.0 INTRODUCTION

By letter dated March 27, 1991, Virginia Electric and Power Company (the licensee) requested amendments to the Surry, Units 1 and 2 Technical Specifications (TS). The proposed changes would incorporate the location of the gaseous effluent release point associated with the newly constructed Radwaste Facility into Figure 5.1-1 of the TS. A station process vent would also be identified as a mixed mode release point.

2.0 EVALUATION

Figure 5.1-1 of the TS defines the unrestricted areas with respect to the Surry Power Station effluent release points. The licensee is presently completing construction of a new Radwaste Facility to supplement the radwaste systems at the Surry Power Station under the provisions of 10 CFR 50.59. The Radwaste Facility is located within a restricted area east of the station, and when operational the facility will have a gaseous effluent release point that is not shown in Figure 5.1-1 of the current TS. Therefore, the proposed amendments would modify Figure 5.1-1 to show the gaseous release point associated with the Radwaste Facility. The proposed change is administrative in nature since there are no limiting conditions for operation, action statements, or surveillance requirements associated with Section 5, including Figure 5.1-1, of the current or proposed TS.

The Radwaste Facility, which includes the use of demineralizers and an evaporator, is designed to treat liquid and solid wastes, provide a decontamination facility, and store packaged processed radwaste material prior to shipment. Off-gassing will occur during processing of the liquid radwaste which is discharged by way of the Radwaste Facility vent and constitutes only a small portion of the normal gaseous release during station operation. The Radwaste Facility is equipped with a radiation monitoring system to ensure radiological protection of the facility personnel and members of the general public, as well as to monitor, record, and control the release of radioactive materials. Based on its 10 CFR 50.59 evaluation, the licensee has concluded that there will be no increase in the total gaseous release of radioactive material from the Surry Power Station as a result of the operation of the Radwaste Facility. Although the thyroid component of the calculated dose from routine liquid radwaste will

increase slightly, the overall calculated 10 CFR Part 50, Appendix I exposures would decrease with the use of the Radwaste Facility. The consequences of any accident associated with the operation of the Radwaste Facility are bounded by Chapter 14 analyses of the Updated Final Safety Analysis Report.

Additionally, the station process vent at a 131 foot elevation is being identified as a mixed mode release point, i.e., both elevated and ground level dispersion components are accounted for. This vent has been treated as a mixed mode release point but never identified as such in the TS.

3.0 SUMMARY

Based on the staff's evaluation of the licensee's submittal, we conclude that the proposed amendments are acceptable and are, therefore, approved.

4.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Virginia State official was notified of the proposed issuance of the amendments. The State official had no comment.

5.0 ENVIRONMENTAL CONSIDERATION

These amendments change a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The NRC 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 issued a proposed finding that these amendments involve no significant hazards consideration and there has been no public comment on such finding (56 FR 15646). Accordingly, these 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 these amendments.

6.0 CONCLUSION

The Commission has 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, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: B. Buckley

Date: May 20, 1991

DATED: May 20, 1991

AMENDMENT NO. 157 TO FACILITY OPERATING LICENSE NO. DPR-32 - SURRY UNIT 1
AMENDMENT NO. 156 TO FACILITY OPERATING LICENSE NO. DPR-37 - SURRY UNIT 2

Docket File

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PD Plant-specific file [Gray File]
M. Sinkule, R-II
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