

January 5, 1994

Docket Nos. 50-338
and 50-339

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

Dear Mr. Stewart:

DISTRIBUTION

Docket File
NRC & Local PDRs
PD22 RF
SVarga
GLainas
HBerkow
ETana
LEngle
OGC
EJordan
ACRS (10)

OPA
MSinkule, RII

SUBJECT: NORTH ANNA POWER STATION, UNITS 1 AND 2 (NA-1&2) - ENVIRONMENTAL
ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT (TAC NOS. M87027
AND M87028)

Enclosed is a copy of an "Environmental Assessment and Finding of No
Significant Impact" for your information. This assessment relates to your
application dated July 16, 1993, as supplemented November 15, 1993, for
amendments to the NA-1&2 Technical Specifications (TS) to revise the
limitations on concentrations of radioactive material released in liquid
effluents and the limitations on the dose rate resulting from radioactive
material released in gaseous effluents, and reflects the relocation of the
prior 10 CFR 20.106 requirements to the new 10 CFR 20.1302.

This assessment has been forwarded to the Office of the Federal Register for
publication.

Sincerely,

(Original Signed By)

Leon B. Engle, Project Manager
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

9401130100 940105
PDR ADOCK 05000338
P PDR

Enclosure:
Environmental Assessment

cc w/enclosure:
See next page

OFFICE	LA:PD22	PM:PD22	D:PD22	OGC	
NAME	ETana <i>ETT</i>	LEngle <i>LE</i>	HBerkow <i>HB</i>	<i>OGC</i>	
DATE	12/28/93	12/28/93	12/29/93	12/05/93	

OFFICIAL RECORD COPY - FILENAME: NA87027.EA

120011

ORIGINAL FILED COPY

CP-1
JFO/11

Virginia Electric & Power Company

North Anna Power Station
Units 1 and 2

cc:

Mr. William C. Porter, Jr.
County Administrator
Louisa County
P.O. Box 160
Louisa, Virginia 23093

Robert B. Strobe, M.D., M.P.H.
State Health Commissioner
Office of the Commissioner
Virginia Department of Health
P.O. Box 2448
Richmond, Virginia 23218

Michael W. Maupin, Esq.
Hunton and Williams
Riverfront Plaza, East Tower
951 E. Byrd Street
Richmond, Virginia 23219

Regional Administrator, RII
U.S. Nuclear Regulatory Commission
101 Marietta Street, N.W., Suite 2900
Atlanta, Georgia 30323

Dr. W. T. Lough
Virginia State Corporation Commission
Division of Energy Regulation
P.O. Box 1197
Richmond, Virginia 23209

Mr. G. E. Kane, Manager
North Anna Power Station
P.O. Box 402
Mineral, Virginia 23117

Old Dominion Electric Cooperative
4201 Dominion Blvd.
Glen Allen, Virginia 23060

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

Mr. M. L. Bowling, Manager
Nuclear Licensing & Programs
Virginia Electric and Power Company
Innsbrook Technical Center
5000 Dominion Blvd.
Allen, Virginia 23060

Office of the Attorney General
Supreme Court Building
101 North 8th Street
Richmond, Virginia 23219

Senior Resident Inspector
North Anna Power Station
U.S. Nuclear Regulatory Commission
Route 2, Box 78
Mineral, Virginia 23117

UNITED STATES NUCLEAR REGULATORY COMMISSIONVIRGINIA ELECTRIC AND POWER COMPANYNORTH ANNA POWER STATION, UNITS 1 AND 2DOCKET NOS. 50-338 AND 50-339ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of amendments to Facility Operating License Nos. NPF-4 and NPF-7 issued to the Virginia Electric and Power Company (the licensee), for operation of the North Anna Power Station, Units 1 and 2 (NA-1&2) located in Louisa County, Virginia.

ENVIRONMENTAL ASSESSMENTIdentification of Proposed Action:

The proposed action would revise the limitations on concentrations of radioactive material released in liquid effluents and the limitations on the dose rate resulting from radioactive material released in gaseous effluents, and reflect the relocation of the prior 10 CFR 20.106 requirements to the new 10 CFR 20.1302. These changes are in response to the new 10 CFR Part 20. The review of an additional item, to revise the definition of "UNRESTRICTED AREA", was not completed and consequently is not included in the amendment. It will be addressed by separate correspondence.

The Need for the Proposed Action:

The proposed action is needed in order to retain operational flexibility consistent with 10 CFR Part 50, Appendix I, concurrent with the implementation of the revised 10 CFR Part 20.

Environmental Impact of the Proposed Action:

The proposed revision does not change the actual release rates as referenced in the Technical Specifications (TS) as a dose rate to the maximally exposed number of the public. Therefore, there will be no increase in the types or amounts of effluents that may be released offsite, nor an increase in individual or cumulative occupational radiation exposures. Therefore, the Commission concludes that there are no significant radiological environmental impacts associated with the proposed changes.

With regard to potential nonradiological impacts, the proposed changes do not affect nonradiological effluents and have no other environmental impact. Therefore, the Commission concludes that there are no significant nonradiological impacts associated with the proposed changes.

Alternatives to the Proposed Action:

Since the Commission's staff has concluded that there is no significant environmental impact associated with the proposed changes to the TS, any alternative to the amendments will have either no significantly different environmental impact or greater environmental impact. The principal alternative would be to deny the requested amendments. This would not reduce environmental impacts as a result of plant operation.

Alternative Use of Resources:

This action does not involve the use of any resources not previously considered in connection with the Final Environmental Statement related to the operation of NA-1&2, dated April 1973.

Agencies and Persons Consulted:

The staff consulted with the State of Virginia regarding the environmental impact of the proposed action.

FINDING OF NO SIGNIFICANT IMPACT

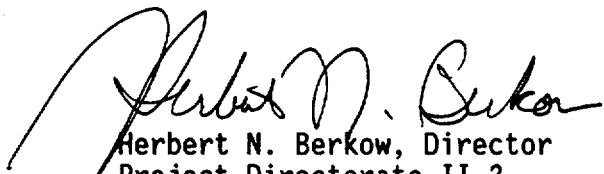
The Commission has determined not to prepare an environmental impact statement for the proposed amendments.

Based on the above environmental assessment, the Commission concludes that the proposed action will not have a significant effect on the quality of the human environment.

For further information with respect to this action, see the application dated July 16, 1993, as supplemented November 15, 1993, which is available for public inspection at the Commission's Public Document Room, 2120 L Street, NW., Washington, DC and at the Alderman Library, Special Collections Department, University of Virginia, Charlottesville, Virginia 22903-2498.

Dated at Rockville, Maryland, this 5th day of January 1994.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in dark ink, appearing to read "Herbert N. Berkow", is written over the typed name and title.

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