

APR 0 9 1976

Docket Nos. 50-338  
and 50-339

Mr. W. L. Proffitt  
Senior Vice President - Power  
Virginia Electric & Power Company  
P. O. Box 26666  
Richmond, Virginia 23261

Distribution:

<del>Packet Files</del>	HDenton
NRC PDR	DVassallo
Local PDR	ACRS (16)
LWR #5 File	AToalston
OELD	BScharf (15)
IE (3)	MWilliams
NDube	EHughes
MJinks (4)	TIC
RCDeYoung	<del>RGeckler</del> P. Leech
JSaltzman	PKruetzer
ADromerick	JRBuchanan, ORNL
RFerguson	TBAbernathy, DTIE
JLee	ARosenthal, ASLAB
BScott	NHGoodrich, ASLBP
WMiller	

Dear Mr. Proffitt:

The Atomic Safety and Licensing Board's Partial Initial Decision dated October 30, 1974, Initial Decision dated December 5, 1975, and Order dated January 6, 1976 (copies sent to you previously) authorize the addition of certain environmental conditions to the construction permits for North Anna Power Station, Units 1 and 2. In this regard, enclosed are copies of Amendment 3 to Construction Permit No. CPPR-77 and Amendment No. 3 to Construction Permit No. CPPR-78. Also enclosed for your information is a copy of a related notice which has been sent to the Office of the Federal Register for publication.

Sincerely,

Original signed by  
D. B. Vassallo

D. B. Vassallo, Chief  
Light Water Reactors Branch No. 5  
Division of Project Management

Enclosures:

1. Amendment No. 3 to CPPR-77
2. Amendment No. 3 to CPPR-78
3. Notice

cc: See page 2

P  
FRL 3/19/76

OFFICE >	DPM: LWR #5	DPM: LWR #5	DOR: FSB	SSEA	OELD	DPM: LWR #5
SURNAME >	JLee	ADromerick	RFerguson	HDenton	DSWANSON	DBVassallo
DATE >	3/17/76	3/17/76	3/17/76	3/17/76	3/29/76	4/8/76

Mr. W. L. Proffitt

- 2 -

cc: Mrs. James C. Arnold  
The Elms, Route 1  
Trevilians, Virginia 23170

Honorable Frederick S. Fisher  
Assistant Attorney General  
Commonwealth of Virginia  
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Charlottesville, Virginia 22901

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705 Mountainwood Road  
Charlottesville, Virginia 22901

Ms. Margaret Dietrich  
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Gordonsville, Virginia 22942

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Georgetown University Law Center  
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Washington, D. C. 20006

Carroll J. Savage, Esquire  
1700 Pennsylvania Avenue, N. W.  
Washington, D. C. 20006

Ms. Susan T. Wilburn  
Commonwealth of Virginia  
Council on the Environment  
P. O. Box 790  
Richmond, Virginia 23206

Mr. Earl Ogg, Chairman  
Board of Supervisors  
of Louisa County  
Trevilians, Virginia 23170

Chief, TIPB (2)  
Technology Assessment Division  
Office of Radiation Programs  
U. S. Environmental Protection  
Agency  
Room 647A East Tower  
Waterside Mall  
401 M Street, S. W.  
Washington, D. C. 20460

Mr. Robert J. Blanco, Region III  
U. S. Environmental Protection  
Agency  
Sixth and Walnut Streets  
Philadelphia, Pennsylvania 18106

Mr. Bruch Blanchard, Director  
Environmental Projects Review  
Department of the Interior  
Room 5321  
18th and C. Streets, N. W.  
Washington, D. C. 20240

OFFICE ▶						
SURNAME ▶						
DATE ▶						

VIRGINIA ELECTRIC AND POWER COMPANY

(North Anna Power Station, Unit No. 1)

DOCKET NO. 50-338

CONSTRUCTION PERMIT

Construction Permit No. CPPR-77  
Amendment No. 3

Pursuant to the Atomic Safety and Licensing Board's Partial Initial Decision dated October 30, 1974, Initial Decision dated December 5, 1975, and Order dated January 6, 1976, the Nuclear Regulatory Commission has issued Amendment No. 3 to Construction Permit No. CPPR-77 by adding paragraph 2.E to read as follows:

E. This permit is subject to the following conditions for the protection of the environment:

- (1) The applicant's clearance of right-of-way in constructing the North Anna-Morrisville 500 kV line along the proposed route should be limited to 150 feet.
- (2) The applicant shall maintain the right-of-way through the Rappahannock Wildlife Management Area in such a manner as to optimize the "edge effect," minimize the visual impact of the line, and be satisfactory to the Virginia Commission of Game and Inland Fisheries.
- (3) The applicant shall, in traversing the Rapidan and Rappahannock Rivers, do a minimum of clearing of the right-of-way and utilize such other measures as are practical to minimize the visual impact of the line.
- (4) The applicant shall continue and modify as necessary the radiological and nonradiological environmental monitoring programs described in Section 6 of the Final Environmental Statement.

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- (5) As part of the monitoring program the applicant shall carry out comprehensive temperature monitoring of the waste heat treatment facility, Lake Anna and the North Anna River in the vicinity of North Anna Dam. This program shall include measurements of meteorological conditions and the reservoir water balance. The monitoring shall be implemented in a manner satisfactory to the Office of Nuclear Reactor Regulation and soon enough that predictions of natural lake temperatures can be verified over at least a one-year period prior to initial operation of North Anna Power Station, Unit No. 1. The results of this program shall be included in semi-annual reports to be issued within a reasonable time after preoperation. These reports shall compare actual temperature distribution with those predicted by the applicant's model for each six-month period until North Anna Power Station, units 1 and 2 have completed one year of operation.
- (6) The applicant shall comply with applicable state water quality standards and other limitations, standards, regulations, and requirements established in accordance with the Virginia State Water Control Law.
- (7) The applicant shall endeavor to minimize the impacts of the transmission lines to be constructed from the facility and to include the following procedures:
- (a) Retain and augment as necessary the vegetation at road and river crossings, homesites and major water bodies to screen the transmission lines.
  - (b) Change the alignment of transmission lines on both sides of major road crossings where vegetation will be inadequate to avoid long views down the right-of-way.
  - (c) Place the tower structures along the lower slopes in hilly terrain, rather than on the commonly visible high points, unless a long span is necessary that cannot otherwise be reasonably accomplished.

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- (d) Control the application of herbicides to rights-of-way so as to prevent drift and apply no herbicides on rights-of-way over pasture, cropland and irrigation ditches or near water bodies, homes and recreation areas.
- (8) A control program shall be established by the applicant to provide a periodic review of all construction activities to assure that those activities conform with the environmental conditions set forth in this permit.
- (9) Before engaging in a construction activity which may result in a significant adverse environmental impact that was not evaluated in the Final Environmental Statement, the applicant shall provide written notification to the Office of Nuclear Reactor Regulation.
- (10) If unexpected harmful effects or evidence of irreversible damage are detected during facility construction, the applicant shall provide an acceptable analysis of the problem and a plan of action to eliminate or significantly reduce these harmful effects or this damage.

FOR THE NUCLEAR REGULATORY COMMISSION

**Original signed by  
Roger S. Boyd**

Roger S. Boyd, Director  
Division of Project Management  
Office of Nuclear Reactor Regulation

Date of Issuance: April 9, 1976

(See previous concurrences. Retyped to incorporate changes by ELD.)

OFFICE →	DPM/LWR #5	DPM/LWR #5	DPM/LWR #5	DPM/DTR		
SURNAME →	JLee, pav	DBVassallo	RCDeYoung	RSBoyd		
DATE →	04/7/76	04/8/76	04/8/76	04/9/76		

- (d) Control the application of herbicides to rights-of-way so as to prevent drift and apply no herbicides on rights-of-way over pasture, cropland and irrigation ditches or near water bodies, homes and recreation areas.
- (e) A control program shall be established by the applicant to provide a periodic review of all construction activities to assure that those activities conform with the environmental conditions set forth in this permit.
- (9) Before engaging in a construction activity which may result in a significant adverse environmental impact that was not evaluated in the Final Environmental Statement, the applicant shall provide written notification to the Division of Project management.
- (10) If unexpected harmful effects or evidence of irreversible damage are detected during facility construction, the applicant shall provide an acceptable analysis of the problem and a plan of action to eliminate or significantly reduce these harmful effects or this damage.

FOR THE NUCLEAR REGULATORY COMMISSION

Roger S. Boyd, Director  
 Division of Project Management  
 Office of Nuclear Reactor Regulation

Date of Issuance:

*PHL 3/19/76*

SSEA:DIR  
 HRDenton  
 03/ /76

*modified on pp. 2+3 on original*

OFFICE >	DPM/LWR #5	DPM/LWR #5	DPM/LWR #5	ELD <i>DL</i>	DPM/LWR/AD	DPM/DIR
SURNAME >	<i>J Lee Dav</i>	<i>RL Ferguson</i> <i>AW Drayton</i> <i>Wick</i>	DBVassallo	<i>DSWANSWIV</i>	RCDeYoung	RSBoyd
DATE >	03/19/76	03/17/76	03/ /76	03/29/76	03/ /76	03/ /76

VIRGINIA ELECTRIC AND POWER COMPANY

(North Anna Power Station, Unit No. 2)

DOCKET NO. 50-339

CONSTRUCTION PERMIT

Construction Permit No. CPPR-78  
Amendment No. 3

Pursuant to the Atomic Safety and Licensing Board's Partial Initial Decision dated October 30, 1974, Initial Decision dated December 5, 1975, and Order dated January 6, 1976, the Nuclear Regulatory Commission has issued Amendment No. 3 to Construction Permit No. CPPR-78 by adding paragraph 2.E to read as follows:

E. This permit is subject to the following conditions for the protection of the environment:

- (1) The applicant's clearance of right-of-way in constructing the North Anna-Morrisville 500 kV line along the proposed route should be limited to 150 feet.
- (2) The applicant shall maintain the right-of-way through the Rappahannock wildlife Management Area in such a manner as to optimize the "edge effect," minimize the visual impact of the line, and be satisfactory to the Virginia Commission of Game and Inland Fisheries.
- (3) The applicant shall, in traversing the Rappahannock and Rappahannock rivers, do a minimum of clearing of the right-of-way and utilize such other measures as are practical to minimize the visual impact of the line.
- (4) The applicant shall continue and modify as necessary the radiological and nonradiological environmental monitoring programs described in Section 6 of the Final Environmental Statement.

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DATE →						

- (5) As part of the monitoring program the applicant shall carry out comprehensive temperature monitoring of the waste heat treatment facility, Lake Anna and the North Anna River in the vicinity of North Anna Dam. This program shall include measurements of meteorological conditions and the reservoir water balance. The monitoring shall be implemented in a manner satisfactory to the Office of Nuclear Reactor Regulation and soon enough that predictions of natural lake temperatures can be verified over at least a one-year period prior to initial operation of North Anna Power Station, Unit No. 1. The results of this program shall be included in semi-annual reports to be issued within a reasonable time after preoperation. These reports shall compare actual temperature distribution with those predicted by the applicant's model for each six-month period until North Anna Power Station, Units 1 and 2 have completed one year of operation.
- (6) The applicant shall comply with applicable state water quality standards and other limitations, standards, regulations, and requirements established in accordance with the Virginia State Water Control Law.
- (7) The applicant shall endeavor to minimize the impacts of the transmission lines to be constructed from the facility and to include the following procedures:
- (a) Retain and augment as necessary the vegetation at road and river crossings, homesites and major water bodies to screen the transmission lines.
  - (b) Change the alignment of transmission lines on both sides of major road crossings where vegetation will be inadequate to avoid long views down the right-of-way.
  - (c) Place the tower structures along the lower slopes in hilly terrain, rather than on the commonly visible high points, unless a long span is necessary that cannot otherwise be reasonably accomplished.

OFFICE						
SURNAME						
DATE						



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- (8) A control program shall be established by the applicant to provide a periodic review of all construction activities to assure that those activities conform with the environmental conditions set forth in this permit.
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FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by  
Roger S. Boyd

Roger S. Boyd, Director  
Division of Project Management  
Office of Nuclear Reactor Regulation

Date of Issuance: April 9, 1976

(See previous concurrences. Retyped to incorporate changes by ELD.)

OFFICE	DPM/LWR #5	DPM/LWR #5	DPM/LWR/AD	DPM/DIR		
SURNAME	JL Leebay	DBVassallo	RC DeYoung	RS Boyd		
DATE	04/9/76	04/8/76	04/9/76	04/9/76		

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FOR THE NUCLEAR REGULATORY COMMISSION

Roger S. Boyd, Director  
 Division of Project Management  
 Office of Nuclear Reactor Regulation

Date of issuance:

*PHL 3/19/76*  
 SSEA/DIR  
 HDenton  
 03/ /76 *as modified on original, pp. 2 + 3*

OFFICE >	DPM/LWR #5	DPM/LWR #5	DPM/LWR #5	ELD <i>24</i>	DPM/LWR/AD	DPM/DIR
SURNAME >	JLee, pav	<i>AW</i> <del>Promerick</del>	DBVassallo	<i>D</i> <del>Suarez</del>	RCDeYoung	RSBoyd
DATE >	03/17/76	03/17/76	03/ /76	03/29/76	03/ /76	03/ /76



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

VIRGINIA ELECTRIC AND POWER COMPANY

(North Anna Power Station, Unit No. 1)

DOCKET NO. 50-338

CONSTRUCTION PERMIT

Construction Permit No. CPPR-77  
Amendment No. 3

Pursuant to the Atomic Safety and Licensing Board's Partial Initial Decision dated October 30, 1974, Initial Decision dated December 5, 1975, and Order dated January 6, 1976, the Nuclear Regulatory Commission has issued Amendment No. 3 to Construction Permit No. CPPR-77 by adding paragraph 2.E to read as follows:

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FOR THE NUCLEAR REGULATORY COMMISSION



Roger S. Boyd, Director  
Division of Project Management  
Office of Nuclear Reactor Regulation

Date of Issuance: April 9, 1976



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

VIRGINIA ELECTRIC AND POWER COMPANY

(North Anna Power Station, Unit No. 2)

DOCKET NO. 50-339

CONSTRUCTION PERMIT

Construction Permit No. CPPR-78  
Amendment No. 3

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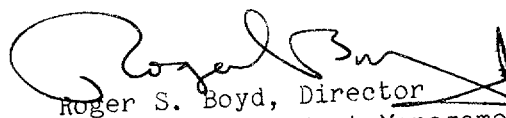
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FOR THE NUCLEAR REGULATORY COMMISSION



Roger S. Boyd, Director  
Division of Project Management  
Office of Nuclear Reactor Regulation

Date of Issuance: April 9, 1976



VIRGINIA ELECTRIC AND POWER COMPANY

(North Anna Power Station, Units 1 and 2)

DOCKET NOS. 50-338 AND 50-339

NOTICE OF ISSUANCE OF AMENDMENT TO CONSTRUCTION PERMITS

Notice is hereby given that pursuant to the Atomic Safety and Licensing Board's Partial Initial Decision dated October 30, 1974, Initial Decision dated December 5, 1975, and Order dated January 6, 1976, the Nuclear Regulatory Commission has issued Amendment No. 3 to Construction Permit No. CPPR-77 and Amendment No. 3 to Construction Permit No. CPPR-78 issued to the Virginia Electric and Power Company for construction of the North Anna Power Station, Units 1 and 2 located in Louisa County, Virginia. The Board's Decisions and Order authorize the addition of certain conditions to the construction permits for the protection of the environment.

The Director of Nuclear Reactor Regulation has found that the provisions of the amendments comply with the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations published in 10 CFR Chapter I and has concluded that the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

A copy of the (1) Partial Initial Decision dated October 30, 1974, (2) Initial Decision dated December 5, 1975, (3) Order dated January 6, 1976, (4) Amendment No. 3 to Construction Permit No. CPPR-77, (5) Amendment No. 3 to Construction Permit No. CPPR-78, and other related documents are

available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C., at the Office of the County Administrator, Board of Supervisors, Louisa County Courthouse, Louisa, Virginia, and at the Alderman Library, Manuscripts Department, University of Virginia, Charlottesville, Virginia. A copy of items (1), (2), (3), (4) and (5) may be obtained by writing the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Project Management.

Dated at Bethesda, Maryland this 9th day of April 1976.

FOR THE NUCLEAR REGULATORY COMMISSION



D. B. Vassallo, Chief  
Light Water Reactors Branch No. 5  
Division of Project Management