

Docket No. 50-395

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MAR 21 1973

South Carolina Electric and Gas Company
ATTN: Mr. E. H. Crews, Jr., Vice President
Engineering Services - Construction
and Engineering

P. O. Box 764
Columbia, South Carolina 29202

Gentlemen:

The Atomic Energy Commission has issued Construction Permit No. CPPR-94 to South Carolina Electric and Gas Company for construction of the Virgil C. Summer Nuclear Station, Unit 1, a pressurized water reactor. The construction permit has been issued pursuant to an Initial Decision by the Atomic Safety and Licensing Board, a copy of which has been sent to you.

Copies of the construction permit, and the related notice, which has been forwarded to the Office of the Federal Register for publication, are enclosed.

Sincerely,

Original Signed By
O. D. Parr *[Signature]*

Karl R. Goller, Chief
Pressurized Water Reactors
Branch No. 3
Directorate of Licensing

Enclosures:

1. Construction Permit No. CPPR-94
2. Federal Register Notice

cc w/encls:
See attached

bcc: T. W. Laughlin
H. J. McAlduff
A. S. Rosenthal, ASLB
N. Goodrich, ASLB
H. Mueller, GMR/H
J. A. Harris, OIS
F. W. Karas, SECY
St. George T. Arnold, ORNL

LB

OFFICE ▶	L:PWR-3 x7415 <i>[Signature]</i>	L:PWR-3 ODP	L:PWR-3 ODP <i>[Signature]</i>			
SURNAME ▶	VHWilson:esp	ODParr	KRGoller			
DATE ▶	2/14/73	3/1/72	3/1/73			

MAR 21 1973

cc w/encls:

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Atomic Safety and Licensing Board
U. S. Atomic Energy Commission
Washington, D. C. 20545

Dr. John R. Lyman
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Professor of Oceanography
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Alternate Chairman, Atomic Safety
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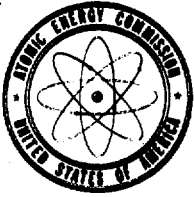
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Regulatory Staff Counsel
U. S. Atomic Energy Commission
Washington, D. C. 20545

Mr. J. Bonner Manly
State Development Board
Hampton Office Building
Columbia, South Carolina 29202

Mr. J. C. Fant, Chairman
Fairfield County Council
P. O. Box 293
Winnsboro, South Carolina 29180

OFFICE ►						
SURNAME ►						
DATE ►						



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

SOUTH CAROLINA ELECTRIC AND GAS COMPANY

(Virgil C. Summer Nuclear Station, Unit 1)

DOCKET NO. 50-395

CONSTRUCTION PERMIT

Construction Permit No. CPPR-94

1. Pursuant to Section 103 of the Atomic Energy Act of 1954, as amended (the Act), and Title 10, Chapter 1, Code of Federal Regulations, Part 50, "Licensing of Production and Utilization Facilities," and pursuant to the Initial Decision of the Atomic Safety and Licensing Board, the Atomic Energy Commission (the Commission) hereby issues a construction permit to the South Carolina Electric and Gas Company (the applicant) for a utilization facility (the facility), designed to operate at 2775 megawatts thermal with a net electrical output of approximately 900 megawatts as described in the application and amendments thereto, (the application), filed in this matter by the applicant and as more fully described in the evidence received at the public hearing upon that application. The facility, known as the Virgil C. Summer Nuclear Station, Unit 1, will be located at the applicant's site in Fairfield County, South Carolina. The site is located immediately north of Parr, South Carolina, and is adjacent to the Monticello Reservoir created by placing a series of dams across Frees Creek, a tributary of the Broad River. The Reservoir is located east of the Broad River and west of South Carolina State Highway 215, about 26 miles north of Columbia, in western Fairfield County, South Carolina.
2. This permit shall be deemed to contain and be subject to the conditions specified in Sections 50.54 and 50.55 of said regulations; is subject to all applicable provisions of the Act, and rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the conditions specified or incorporated below:
 - A. The earliest date for the completion of the facility is January 1, 1977, and the latest date for completion of the facility is January 1, 1978.
 - B. The facility shall be constructed and located at the site as described in the application, in Fairfield County, South Carolina.

- C. This construction permit authorizes the applicant to construct the facility described in the application, and the hearing record in accordance with the principal architectural and engineering criteria set forth therein.
- D. In view of the fact that the Attorney General has not recommended an antitrust hearing in this matter, that no antitrust issues have been raised by another in a manner according with the Commission's Rules of Practice, and that no finding has been made that an antitrust hearing is otherwise required (10 CFR, Part 2, §2.104(d)), antitrust review of the application for this construction permit under Section 105c of the Atomic Energy Act of 1954, as amended, has been completed and a hearing thereon determined to be unnecessary.
- E. This construction permit is subject to the following conditions for the protection of the environment:
 - 1. The applicant will perform preoperational measurements of the physical, chemical and biological parameters of the environment to establish baseline conditions upon which possible adverse effects of the station can be evaluated.
 - 2. The applicant will submit to the regulatory staff (staff) a proposed plan for an operational environmental monitoring program. Staff approval of this plan will be obtained prior to the granting of an operating license.
 - 3. The applicant shall select, design and construct the transmission lines in accordance with appropriate federal guidelines.
 - 4. The applicant shall use appropriate federal and state guidelines and regulations in matters concerning sanitation in recreational areas to be constructed as part of this project.

5. The applicant shall establish a radiation monitoring system to determine the radioiodine concentration at the site boundary, to insure that the 5 mrem/yr dosage to the 2-gram thyroid organ of a child through the pasture-cow-milk pathway will not be exceeded.
6. The applicant shall file an amendment to its application for the Virgil C. Summer Station requesting approval of an alternate method of cooling the reactor if the Monticello Reservoir is not created; such amendment shall include complete details of the environmental impact of the alternate cooling method, and details of feasible alternatives thereto.
3. This permit is subject to the limitation that a license authorizing operation of the facility will not be issued by the Commission unless (a) the applicant submits to the Commission, by filing an application for an operating license or by amendment to the application for a license to construct and operate the facility, a complete final safety analysis report, portions of which may be submitted and evaluated from time to time; (b) the Commission finds that the final design provides reasonable assurance that the health and safety of the public will not be endangered by the operation of the facility in accordance with procedures approved by it in connection with the issuance of said license; and (c) the applicant submits proof of financial protection and the execution of an indemnity agreement as required by Section 170 of the Act.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by
A. Giambusso

A. Giambusso, Deputy Director
for Reactor Projects
Directorate of Licensing

Date of Issuance: MAR 21 1973

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-395

SOUTH CAROLINA ELECTRIC AND GAS COMPANY

NOTICE OF ISSUANCE OF CONSTRUCTION PERMIT

Notice is hereby given that, pursuant to the Initial Decision of the Atomic Safety and Licensing Board, the Deputy Director for Reactor Projects, Directorate of Licensing, has issued Construction Permit No. CPPR-94 to the South Carolina Electric and Gas Company for construction of the Virgil C. Summer Nuclear Station, Unit 1, a pressurized water reactor, on the applicant's site in Fairfield County, South Carolina. The site is located immediately north of Parr, South Carolina, and is adjacent to the Monticello Reservoir created by placing a series of dams across Frees Creek, a tributary of the Broad River. The Reservoir is located east of the Broad River and west of South Carolina State Highway 215, about 26 miles north of Columbia, in western Fairfield County, South Carolina.

Copies of the Initial Decision and Construction Permit No. CPPR-94 are available for public inspection in the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C., and in the Fairfield County Library,

Vanderhorst Street, Winnsboro, South Carolina. Copies of the construction permit may be obtained upon request addressed to the U. S. Atomic Energy Commission, Washington, D. C. 20545, Attention: Deputy Director for Reactor Projects, Directorate of Licensing.

Dated at Bethesda, Maryland, this *21st* day of *March* 1973.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by

R. C. DeYoung

R. C. DeYoung, Assistant Director
for Pressurized Water Reactors
Directorate of Licensing