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 C. Parrish
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July 12, 1982

DOCKET NO(S). 50-280/281

Mr. W. L. Stewart
 Vice President - Nuclear Operations
 Virginia Electric and Power Company
 Post Office Box 26666
 Richmond, Virginia 23261

SUBJECT: SURRY POWER STATION, UNIT NOS. 1 AND 2
 (Virginia Electric and Power Company)

The following documents concerning our review of the subject facility are transmitted for your information.

- Notice of Receipt of Application.
- Draft/Final Environmental Statement, dated _____.
- Notice of Availability of Draft/Final Environmental Statement, dated _____.
- Safety Evaluation Report, or Supplement No. _____, dated _____.
- Notice of Hearing on Application for Construction Permit.
- Notice of Consideration of Issuance of Facility Operating License.
- Application and Safety Analysis Report, Volume _____.
- Amendment No. _____ to Application/SAR dated _____.
- Construction Permit No. CPPR- _____, Amendment No. _____, dated _____.
- Facility Operating License No. _____, Amendment No. _____, dated _____.
- Order Extending Construction Completion Date, dated _____.
- Other (Specify) **Notice of Consideration of Issuance of Amendments Re: Rod Insertion**

Limits

Application dated May 2, 1983

C. Parrish
Division of Licensing
 Office of Nuclear Reactor Regulation

Enclosures:
 As stated

CC: See next page

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OFFICE ▶	ORB 1					
SURNAME ▶	CParrish/ys					
DATE ▶	7-12-83					

Mr. W. L. Stewart
Virginia Electric and Power Company

cc: Mr. Michael W. Maupin
Hunton and Williams
Post Office Box 1535
Richmond, Virginia 23213

Mr. J. L. Wilson, Manager
P. O. Box 315
Surry, Virginia 23883

Donald J. Burke, Resident Inspector
Surry Power Station
U. S. Nuclear Regulatory Commission
Post Office Box 166
Route 1
Surry, Virginia 23883

Mr. J. H. Ferguson
Executive Vice President - Power
Virginia Electric and Power Company
Post Office Box 26666
Richmond, Virginia 23261

James P. O'Reilly
Regional Administrator - Region II
U. S. Nuclear Regulatory Commission
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

UNITED STATES NUCLEAR REGULATORY COMMISSIONVIRGINIA ELECTRIC AND POWER COMPANYDOCKET NOS. 50-280 AND 50-281NOTICE OF CONSIDERATION OF ISSUANCE OF AMENDMENTS TO
FACILITY OPERATING LICENSES AND PROPOSED NO SIGNIFICANT HAZARDS
CONSIDERATION DETERMINATION AND OPPORTUNITY FOR HEARING

The U. S. Nuclear Regulatory Commission (the Commission) is considering issuance of amendments to Facility Operating License Nos. DPR-32 and DPR-37, issued to Virginia Electric and Power Company (the licensee), for operation of the Surry Power Station Unit Nos. 1 and 2 located in Surry County, Virginia.

The amendment would revise the Technical Specifications 2.1, 2.3 and 3.12 to change the existing $F\Delta H = 1.55 (1 + 0.3(1-P))$ where a 0.3 multiplier is used instead of a 0.2 multiplier and to revise the rod insertion limits. The changes are proposed by the licensee's application dated May 2, 1983.

The Surry $F\Delta H$ fractional power limit is proposed to be modified to incorporate a 0.3 fractional power multiplier. The full power $F\Delta H$ limit will remain unchanged. The increased fractional power $F\Delta H$ will be compensated for by more restrictive fractional power core thermal limits. The more restrictive core thermal limit lines will maintain the current design bases DNB criteria. These analyses were performed using analytical techniques consistent with the Surry design bases and previous NRC-approved 0.3 fractional multiplier analyses.

The Surry Unit 1 rod insertion limits were raised prior to Cycle 7 operation to ensure the predicted $F\Delta H$ radial peaking factor would remain within the Technical Specification limits. Implementation of the 0.3 part power multiplier

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on $F\Delta H$ will provide substantial additional peaking factor margin at low powers, and will allow restoration of the rod insertion limits to pre-Cycle 7 values after approximately one month of Cycle 7 operation.

Before issuance of the proposed amendments, the Commission will have made findings required by the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations.

The Commission has made a proposed determination that the amendments requests involve no significant hazards consideration. Under the Commission's regulations in 10 CFR 50.92, this means that operation of the facilities in accordance with the proposed amendments would not (1) involve a significant increase in the probability or consequences of an accident previously evaluated; or (2) create the possibility of a new or different kind of accident from any accident previously evaluated; or (3) involve a significant reduction in a margin of safety.

The Commission has provided guidance concerning the application of these standards by providing certain examples (48 FR 14870). The change related to the fractional multiplier falls within the category of example (vi) of a no significant hazards consideration which may in some way reduce a safety margin but where the results of the change are clearly within all acceptable criteria. The fractional multiplier was derived using previously approved techniques. In addition, the change in margin is compensated by more restrictive fractional power core thermal limits.

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The change related to the rod insertion limits similarly falls into the category of example (vi) of a no significant hazards consideration in that previously approved techniques were used in determining the limits. In addition, the rod insertion limits change is compensated by the additional peaking factor margin at low powers.

The Commission is seeking public comments on this proposed determination. Any comments received within 30 days after the date of publication of this notice will be considered in making any final determination. The Commission will not normally make a final determination unless it receives a request for a hearing.

Comments should be addressed to the Secretary of the Commission, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Docketing and Service Branch.

By August 15, 1983, the licensee may file a request for a hearing with respect to issuance of the amendments to the subject facilities operating licenses and any person whose interest may be affected by this proceeding and who wishes to participate as a party in the proceeding must file a written petition for leave to intervene. Request for a hearing and petitions for leave to intervene shall be filed in accordance with the Commission's "Rules of Practice for Domestic Licensing Proceedings" in 10 CFR Part 2. If a request for a hearing or petition for leave to intervene is filed by the above date, the Commission or an Atomic Safety and Licensing Board, designated by the Commission or by the Chairman of the Atomic Safety and Licensing Board Panel, will rule on the request and/or petition and the Secretary or the designated Atomic Safety and Licensing Board will issue a notice of hearing or an appropriate order.

As required by 10 CFR §2.714, a petition for leave to intervene shall set forth with particularity the interest of the petitioner in the proceeding, and how that interest may be affected by the results of the proceeding. The petition should specifically explain the reasons why intervention should be permitted with particular reference to the following factors: (1) the nature of the petitioner's right under the Act to be made a party to the proceeding; (2) the nature and extent of the petitioner's property, financial, or other interest in the proceeding; and (3) the possible effect of any order which may be entered in the proceeding on the petitioner's interest. The petition should also identify the specific aspect(s) of the subject matter of the proceeding as to which petitioner wishes to intervene. Any person who has filed a petition for leave to intervene or who has been admitted as a party may amend the petition without requesting leave of the Board up to fifteen (15) days prior to the first prehearing conference scheduled in the proceeding, but such an amended petition must satisfy the specificity requirements described above.

Not later than fifteen (15) days prior to the first prehearing conference scheduled in the proceeding, a petitioner shall file a supplement to the petition to intervene which must include a list of the contentions which are sought to be litigated in the matter, and the bases for each contention set forth with reasonable specificity. Contentions shall be limited to matters within the scope of the amendments under consideration. A petitioner who fails to file such a supplement which satisfies these requirements with respect to at least one contention will not be permitted to participate as a party.

Those permitted to intervene become parties to the proceeding, subject to any limitations in the order granting leave to intervene, and have the opportunity to participate fully in the conduct of the hearing, including the opportunity to present evidence and cross-examine witnesses.

If a hearing is requested, the Commission will make a final determination on the issue of no significant hazards consideration. The final determination will serve to decide when the hearing is held.

If the final determination is that the amendments request involves no significant hazards consideration, the Commission may issue the amendments and make them effective, notwithstanding the request for a hearing. Any hearing held would take place after issuance of the amendments.

If the final determination is that the amendments involve a significant hazards consideration, any hearing held would take place before the issuance of any amendments.

Normally, the Commission will not issue the amendments until the expiration of the 30-day notice period. However, should circumstances change during the notice period such that failure to act in a timely way would result, for example, in derating or shutdown of the facility, the Commission may issue the license amendments before the expiration of the 30-day notice period, provided that its final determination is that the amendments involve no significant hazards consideration. The final determination will consider all public and State comments received. Should the Commission take this

action, it will publish a notice of issuance and provide for opportunity for a hearing after issuance. The Commission expects that the need to take this action will occur very infrequently.

A request for a hearing or a petition for leave to intervene must be filed with the Secretary of the Commission, U. S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Docketing and Service Branch, or may be delivered to the Commission's Public Document Room, 1717 H Street, N.W. Washington, D.C., by the above date. Where petitions are filed during the last ten (10) days of the notice period, it is requested that the petitioner promptly so inform the Commission by a toll-free telephone call to Western Union at (800) 325-6000 (in Missouri (800) 342-6700). The Western Union operator should be given Datagram Identification Number 3737 and the following message addressed to Steven A. Varga, Chief, Operating Reactors Branch No. 1, Division of Licensing: petitioner's name and telephone number; date petition was mailed; plant name; and publication date and page number of this FEDERAL REGISTER notice. A copy of the petition should also be sent to the Executive Legal Director, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, and to Mr. Michael U. Maupin, Hunton and Williams, Post Office Box 1535, Richmond, Virginia 23213, attorney for the licensee.

Nontimely filings of petitions for leave to intervene, amended petitions, supplemental petitions and/or requests for hearing will not be entertained absent a determination by the Commission, the presiding officer or the Atomic Safety and Licensing Board designated to rule on the petition and/or request, that the petitioner has made a substantial showing of good cause for the

granting of a late petition and/or request. That determination will be based upon a balancing of the factors specified in 10 CFR 2.714(a)(1)(i)-(v) and 2.714(d).

For further details with respect to this action, see the application for amendments which is available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C., and at the Swem Library, College of William and Mary, Williamsburg, Virginia 23185.

Dated at Bethesda, Maryland, this 11th day of July 1983.

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by:

S. A. Varga

Steven A. Varga, Chief
Operating Reactors Branch No. 1
Division of Licensing

DISTRIBUTION

- Docket File
- NRC PDR
- Local PDR
- ORB 1 File
- D. Eisenhut
- OELD
- E. Jordan
- D. Neighbors
- C. Parrish
- NSIC
- J. Taylor
- ACRS (10)

	<i>* See memo</i>				<i>Not signed by Varga</i>	
OFFICE	ORB 1 <i>Concurrence</i>	ORB 1 <i>not</i>	ORB 1 <i>not</i>	AD:OR	OELD	<i>not signed</i>
SURNAME	CParrish <i>* OP</i>	DNeighbors/rs	SVarga	GLainas	CUTCHIN	DEisenhut
DATE	6/27/83	6/27/83	6/24/83	6/27/83	6/29/83	7/11/83