

June 12, 1984

Docket Nos. 50-280  
and 50-281

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

Dear Mr. Stewart:

The Commission has issued the enclosed Order for Suffry Power Station, Unit Nos. 1 and 2, confirming your commitments to implement those post-TMI related items set forth in Supplement 1 to NUREG-0737. This Order is based on commitments contained in your letter dated April 15, 1983, as supplemented, which responded to NRC Generic Letter 82-33 dated December 17, 1982.

We have concluded that the schedular commitments you have made are reasonable and will provide timely upgrading of your emergency capability.

A copy of this Order is being filed with the Office of the Federal Register for publication.

Sincerely,

/s/SVarga

Steven A. Varga, Chief  
Operating Reactors Branch #1  
Division of Licensing

Enclosure:  
Order

cc w/enclosure:  
See next page

B406270252 B40612  
PDR ADDCK 05000280  
F PDR

DISTRIBUTION

Docket CParrish  
NRC PDR DNeighbors  
L PDR DCrutchfield  
NSIC Gray  
ORB#1 Rdg  
DEisenhut  
ORAB  
SECY  
OELD, Cyr  
EJordan  
TBarnhart-8  
ACRS-10  
OPA, CMiles  
JTaylor  
RDiggs

OFFICE	ORB#1:DL	ORB#1:DL	ORB#1:DL	ORB#5:DL	AD/DR:DL	OELD S	D/DL
SURNAME	CParrish	DNeighbors:dm	SVarga	DCrutchfield	Glainas	Sum's and LA. corrections	DEisenhut
DATE	08/10/83	08/19/83	08/19/83	08/24/83	08/19/83	08/30/83	08/27/83

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

Surry Power Station  
Units 1 and 2

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

Mr. J. L. Wilson, Manager  
Post Office 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. Sherlock Holmes, Chairman  
Board of Supervisors of Surry County  
Surry County Courthouse  
Surry, Virginia 23683

W. T. Lough  
Virginia Corporation Commission  
Division of Energy Regulation  
Post Office Box 1197  
Richmond, Virginia 23209

Regional Radiation Representative  
EPA Region III  
Curtis Building - 6th Floor  
6th and Walnut Streets  
Philadelphia, Pennsylvania 19106

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 OF AMERICA  
NUCLEAR REGULATORY COMMISSION

In the Matter of

VIRGINIA ELECTRIC AND POWER  
COMPANY

(Surry Power Station,  
Unit Nos. 1 and 2)

)  
)  
)  
)  
)

Docket Nos. 50-280  
and 50-281

ORDER CONFIRMING LICENSEE COMMITMENTS  
ON EMERGENCY RESPONSE CAPABILITY

I.

Virginia Electric and Power Company (the licensee) is the holder of Facility Operating License Nos. DPR-32 and DPR-37 which authorize the operation of the Surry Power Station, Unit Nos. 1 and 2 (the facilities) at steady-state power levels not in excess of 2441 megawatts thermal. The facilities are pressurized water reactors (PWRs) located in Surry County, Virginia.

II.

Following the accident at Three Mile Island Unit No. 2 (TMI-2) on March 28, 1979, the Nuclear Regulatory Commission (NRC) staff developed a number of proposed requirements to be implemented on operating reactors and on plants under construction. These requirements include Operational Safety, Siting and Design, and Emergency Preparedness and are intended to provide substantial additional protection in the operation of nuclear facilities and significant upgrading of emergency response capability based on the experience from the accident at TMI-2 and the official studies and investigations of the

- 2 -

accident. The requirements are set forth in NUREG-0737, "Clarification of TMI Action Plan Requirements," and in Supplement 1 to NUREG-0737, "Requirements for Emergency Response Capability." Among these requirements are a number of items consisting of emergency response facility operability, emergency procedure implementation, addition of instrumentation, possible control room design modifications, and specific information to be submitted.

On December 17, 1982, a letter (Generic Letter 82-33) was sent to all licensees of operating reactors, applicants for operating licenses, and holders of construction-permits enclosing Supplement 1 to NUREG-0737. In this letter operating reactor licensees and holders of construction permits were requested to furnish the following information, pursuant to 10 CFR 50.54(f), no later than April 15, 1983:

- (1) A proposed schedule for completing each of the basic requirements for the items identified in Supplement 1 to NUREG-0737, and
- (2) A description of plans for phased implementation and integration of emergency response activities including training.

### III.

The licensee responded to Generic Letter 82-33 by letters dated April 15, 1983, January 31, 1984, February 21, 1984, March 1, 1984 and March 13, 1984. In this submittal, the licensee made commitments to complete the basic requirements. The attached Table, summarizing the licensee's schedular commitments or status, was developed by the NRC staff from the Generic Letter and the information provided by the licensee.

The licensee's commitments include (1) dates for providing required submittals to the NRC, (2) dates for implementing certain requirements, and (3) a schedule for providing implementation dates for other requirements. These latter implementation dates will be reviewed, negotiated and confirmed by a subsequent order.

The NRC staff reviewed the licensee's April 15, 1983 letter and entered into negotiations regarding schedules for meeting the requirements of Supplement 1 to NUREG-0737. The NRC staff finds that the dates are reasonable for meeting the Commission requirements. The NRC staff concludes that the schedule proposed by licensee will provide timely upgrading of the licensee's emergency response capability.

In view of the foregoing, I have determined that the implementation of the licensees' commitments is required in the interest of the public health and safety and should, therefore, be confirmed by an immediately effective Order.

#### IV.

Accordingly, pursuant to Sections 103, 161i, 161o and 182 of the Atomic Energy Act of 1954, as amended, and the Commission's regulations in 10 CFR Parts 2 and 50, IT IS HEREBY ORDERED, EFFECTIVE IMMEDIATELY, THAT the licensee shall:

Implement the specific items described in the Attachment to this ORDER in the manner described in the licensee's submittals noted in Section III herein no later than the dates in the Attachment.

- 4 -

Extensions of time for completing these items may be granted by the Director, Division of Licensing, for good cause shown.

V.

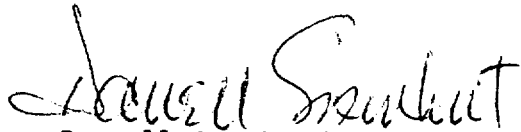
The licensee may request a hearing on this Order within 20 days of the date of publication of this Order in the Federal Register. Any request for a hearing should be addressed to the Director, Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555. A copy should also be sent to the Executive Legal Director at the same address. A REQUEST FOR HEARING SHALL NOT STAY THE IMMEDIATE EFFECTIVENESS OF THIS ORDER.

If a hearing is to be held, the Commission will issue an Order designating the time and place of any such hearing.

If a hearing is held concerning this Order, the issue to be considered at the hearing shall be whether the licensee should comply with the requirements set forth in Section IV of this Order.

This Order is effective upon issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Darrell G. Eisenhut, Director  
Division of Licensing  
Office of Nuclear Reactor Regulation

Dated at Bethesda, Maryland,  
this 12th day of June 1984.

Attachment:  
Licensee's Commitments on  
Requirements Specified in  
Supplement 1 to NUREG-0737

LICENSEE'S COMMITMENTS ON SUPPLEMENT 1 TO NUREG-0737

TITLE	REQUIREMENT	LICENSEE'S COMPLETION SCHEDULE (OR STATUS)
1. Safety Parameter Display System (SPDS)	1a. Submit a safety analysis and an implementation plan to the NRC.	Complete
	1b. SPDS fully operational and operators trained.	Surry 1-First refueling after July 1985 (about February 1986) Surry 2-First refueling after July 1985 (about October 1986)
2. Detailed Control Room Design Review (DCRDR)	2a. Submit a program plan to the NRC.	Complete
	2b. Submit a summary report to the NRC including a proposed schedule for implementation.	Provide schedule August 30, 1985
3. Regulatory Guide 1.97 - Application to Emergency Response Facilities	3a. Submit a report to the NRC describing how the requirements of Supplement 1 to NUREG-0737 have been or will be met.	Complete
	3b. Implement (installation or upgrade) requirements.	Refueling in 1986*

\* incore thermocouples are tracked on separate schedule

LICENSEE'S COMMITMENTS ON SUPPLEMENT 1 TO NUREG-0737

TITLE	REQUIREMENT	LICENSEE'S COMPLETION SCHEDULE (OR STATUS)
4. Upgrade Emergency Operating Procedures (EOPs)	4a. Submit a Procedures Generation Package to the NRC:	Complete
	4b. Implement the upgraded EOPs.	Complete
5. Emergency Response Facilities	5a. Technical Support Center fully functional.	First refueling after July 1, 1985
	5b. Operational Support Center fully functional.	Complete except for communications tie-in with EOF
	5c. Emergency Operations Facility fully functional.	July 31, 1985 except for data communication which will follow schedule for SPDS.