



South Carolina Electric & Gas Company
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Ollie S. Bradham
Vice President
Nuclear Operations

April 18, 1990

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. J. J. Hayes, Jr.

SUBJECT: Virgil C. Summer Nuclear Station
Docket No. 50/395
Operating License No. NPF-12
Proposed New Location of the
Emergency Operations Facility (EOF)

Gentlemen:

South Carolina Electric & Gas Company (SCE&G) is in the process of designing a new Emergency Operations Facility (EOF). The Joint Information Center (JIC) will be located with the new EOF. (The present Back-up Media Center will become the new JIC.)

The location of the new facility will be at the SCE&G Corporate Headquarters, the Palmetto Center in Columbia, South Carolina. This site is approximately 25 air miles from the Virgil C. Summer Nuclear Station (VCSNS). In accordance with NUREG-0696 and NUREG 0737, Supplement 1, SCE&G requests specific NRC approval by June 1, 1990, to locate this facility beyond the 20 mile limit from VCSNS. Attachment I is a map showing the new EOF location and the VCSNS.

The design of the new facility will meet all applicable portions of NUREG-0696 and NUREG-0737, Supplement 1. Attachment II provides a comparison of the present EOF and the new EOF relative to the design features for habitability and data availability. As discussed with the Staff during a meeting at NRR on February 1, 1990, communications is one of the key elements in an effective emergency planning organization. The new EOF will have the same communications capability as the present EOF with the following improvements: (1) Additional radio equipment for offsite environmental team communication with the EOF; (2) Additional telephones to assist Technical Support personnel; and (3) Additional computer hardware for dose projections and plant parameter information.

As stated previously, the new EOF is 25 air miles from VCSNS. The direct driving distance from VCSNS is 30 miles. During the daytime, under normal weather and traffic conditions, the exact driving time from VCSNS to the new EOF is 37 minutes. Under adverse weather conditions, the estimated driving time is 50 minutes (based on reducing driving speed to 75 percent of that during normal conditions). The mode of personnel transport to be used by SCE&G personnel to travel to the EOF will be by automobile.

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Timely staffing of the Offsite Emergency Organization at the EOF is another important element of the emergency planning program. Emergency response personnel shall report to the EOF to achieve full functional operation within one hour. The Table on Attachment III provides estimated response times to the new EOF and the present EOF. In addition, this table presents the driving distance from each individual's residence to the EOF's. The new location will enhance timely activation of the EOF. During off normal hours (which represents 75% of the overall time), the response times are shorter with the new EOF versus the present EOF.

We have conducted discussions with the State of South Carolina and the four (4) local county governments on the relocation of the EOF. Based on the State and local emergency plans and emergency exercises, the State and local county emergency response personnel will report to their respective Emergency Operations Center (EOC). Space is provided in the EOF for State and local personnel, if required. Attachment IV is a letter from the State of South Carolina and local governments indicating concurrence with the location of the new EOF.

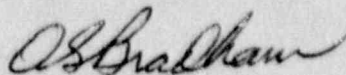
The completion date for the new EOF is March 1, 1991. The new facility will be tested in a full scale exercise with state and local participation in July 1991. Once satisfactorily tested, the EOF would be officially implemented in September 1991. Attachment V is the schedule for the new EOF relocation.

The advantages of relocating the EOF to the SCE&G Corporate Headquarters in Columbia, South Carolina, are as follows:

1. The State of South Carolina and the four (4) local governments are supportive of the move. This will improve the relationship between SCE&G and the offsite authorities.
2. The new EOF is more centrally located to the State Emergency Operations Center and the County Emergency Operations Centers.
3. The response times to the new EOF by offsite emergency response personnel will be improved. During non-working hours, such as nights, weekends and holidays, response times to the new EOF are shorter which will provide EOF actuation in a shorter period of time.
4. Increased working space is provided for the offsite emergency organization and NRC personnel. As discussed with the Staff, space is still available for NRC response personnel at the original EOF location, if desired.
5. The new JIC would improve overall media response for the utility, State, local and federal public information personnel by the availability of more working space and a larger media briefing area. In addition, the JIC will be located on the same floor in the Palmetto Center as the EOF which will provide the Company spokesperson easy access to both the JIC and EOF.

Should there be any questions, please call us at your convenience.

Very truly yours,



O. S. Bradham

HID/OSB:lcd
Attachments

c: D. A. Nauman/O. W. Dixon, Jr./T. C. Nichols, Jr.
E. C. Roberts
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S. D. Ebnetter
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General Managers
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R. L. Prevatte
J. B. Knotts, Jr.
NSRC
NPCF
RTS (EMP 900008)
File (810.09)

MAP LOCATION OF NEW EOF



V. C. SUMMER
NUCLEAR STATION

NEW EOF

SCALE

miles: 0 5 10 20 40

PHYSICAL FACILITIES

PRESENT EOF

- LOCATION - THE EOF IS LOCATED IN THE BASEMENT OF THE NUCLEAR TRAINING CENTER (NTC). THE NTC IS LOCATED APPROXIMATELY 2.5 MILES FROM THE NUCLEAR STATION.

- DESIGN FEATURES -

HABITABILITY - HVAC, SEPARATE HEPA FILTER TRAIN, WHICH CAN BE BYPASSED DURING NORMAL OPERATIONS. THE EOF HAS OVER 5000 SQ. FT. OF WORK SPACE. RADIATION PROTECTION (SHIELDING) EXCEEDS REQUIREMENTS OF A PROTECTION FACTOR OF 5.

DATA AVAILABILITY - REGULATORY GUIDE 1.97 VARIABLES — SAFETY PARAMETER DISPLAY SYSTEM (SPDS) — ARE AVAILABLE. VOICE COMMUNICATIONS, METEOROLOGICAL DATA, AND FAX EQUIPMENT ARE AVAILABLE.

NEW EOF

- LOCATION - THE EOF WILL BE LOCATED IN THE COMPANY CORPORATE HEADQUARTERS IN COLUMBIA, S. C. THE EOF IS APPROXIMATELY 25 AIR MILES FROM THE NUCLEAR STATION.

- DESIGN FEATURES -

HABITABILITY - NORMAL HVAC, BACK-UP POWER FOR LIGHTING, TELEPHONES AND ELECTRIC OUTLETS ARE AVAILABLE. THERE ARE NO SPECIAL RADIATION PROTECTION REQUIREMENTS.

DATA AVAILABILITY - REGULATORY GUIDE 1.97 VARIABLES — SAFETY PARAMETER DISPLAY SYSTEM (SPDS) — ARE AVAILABLE. VOICE COMMUNICATIONS, METEOROLOGICAL DATA, AND FAX EQUIPMENT ARE AVAILABLE.

		<u>PRESENT EOF</u>			<u>PROPOSED EOF</u>		
		<u>NORMAL WORKING HOURS</u>	<u>OFF DUTY HOURS</u>	<u>MILEAGE FROM RESIDENCE TO EOF</u>	<u>NORMAL WORKING HOURS</u>	<u>OFF DUTY HOURS</u>	<u>MILEAGE FROM RESIDENCE TO EOF</u>
EMERGENCY CONTROL OFFICER	PRIMARY	15 MINS.	25 MINS.	25 MI.	45 MINS.	12MINS.	10 MI.
	ALTERNATE	40 MINS.	20 MINS.	20 MI.	2 MINS.	35 MINS.	30 MI.
	ALTERNATE	40 MINS.	30 MINS.	31 MI.	2 MINS.	10 MINS.	1 MI.
OFFSITE EMERGENCY COORDINATOR	PRIMARY	15 MINS.	35 MINS.	20 MI.	1 HR.	25 MINS.	13 MI.
	ALTERNATE	15 MINS.	45 MINS.	28 MI.	1 HR.	25 MINS.	7 MI.
	ALTERNATE	15 MINS.	35 MINS.	20 MI.	1 HR.	20 MINS.	8 MI.
TECH. SUPPORT COORDINATOR	PRIMARY	15 MINS.	35 MINS.	35 MI.	1 HR.	20 MINS.	8 MI.
	ALTERNATE	15 MINS.	30 MINS.	28 MI.	1 HR.	25 MINS.	18 MI.
	ALTERNATE	15 MINS.	55 MINS.	45 MI.	1 HR.	35 MINS.	26 MI.
CONST./REPAIR COORDINATOR	PRIMARY	15 MINS.	45 MINS.	37 MI.	1 HR.	30 MINS.	18 MI.
	ALTERNATE	15 MINS.	40 MINS.	20 MI.	1 HR.	50 MINS.	40 MI.
	ALTERNATE	15 MINS.	38 MINS.	35 MI.	1 HR.	40 MINS.	18 MI.
OFFSITE RADIOLOGICAL MONITORING COORDINATOR	PRIMARY	2 MINS.	20 MINS.	12 MI.	45 MIN.	30 MINS.	25 MI.
	ALTERNATE	2 MINS.	25 MINS.	20 MI.	45 MIN.	20 MINS.	18 MI.
	ALTERNATE	2 MINS.	25 MINS.	22 MI.	45 MIN.	30 MINS.	20 MI.
MEDIA COORDINATOR	PRIMARY	45 MINS.	35 MINS.	23 MI.	2 MIN.	15 MINS.	10 MI.
	ALTERNATE	45 MINS.	45 MINS.	30 MI.	2 MIN.	10 MINS.	3 MI.
	ALTERNATE	45 MINS.	35 MINS.	23 MI.	2 MIN.	15 MINS.	10 MI.
SECURITY COORDINATOR	PRIMARY	15 MINS.	25 MINS.	18 MI.	1 HR.	1 HR.	35 MI.
	ALTERNATE	15 MINS.	45 MINS.	23 MI.	1 HR.	35 MINS.	18 MI.
	ALTERNATE	15 MINS.	40 MINS.	30 MI.	1 HR.	20 MINS.	13 MI.
GENERAL SERVICES COORDINATOR	PRIMARY	45 MINS.	45 MINS.	32 MI.	2 MIN.	20 MINS.	5 MI.
	ALTERNATE	45 MINS.	55 MINS.	40 MI.	2 MIN.	30 MINS.	14 MI.
	ALTERNATE	45 MINS.	45 MINS.	29 MI.	2 MIN.	40 MINS.	21 MI.
EOF COORDINATOR	PRIMARY	15 MINS.	30 MINS.	21 MI.	1 HR.	30 MINS.	13 MI.
	ALTERNATE	15 MINS.	45 MINS.	38 MI.	1 HR.	25 MINS.	15 MI.
	ALTERNATE	15 MINS.	45 MINS.	30 MI.	1 HR.	1 HR.	45 MI.

The State of South Carolina
Military Department



OFFICE OF THE ADJUTANT GENERAL

T. ESTON MARCHANT
MAJOR GENERAL
THE ADJUTANT GENERAL

February 13, 1990

Mr. Ollie Bradham, Vice President
Nuclear Operations
P.O. Box 88
Jenkinsville, SC 29065

Subject: Movement of the
Emergency Operations
Facility (EOF) V.C.
Summer Plant.

Dear Mr. Bradham:

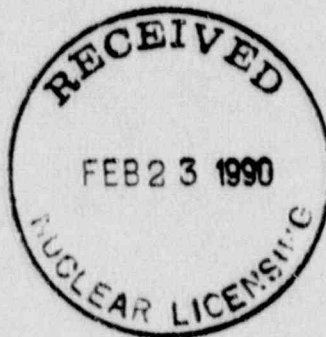
The Emergency Preparedness Division, OTAG and Bureau of Radiological Health, Department of Health and Environmental Control, State of South Carolina concur with the movement of the Emergency Operations Facility (EOF) from the current position at V.C. Summer Nuclear Training Center to the corporate office, SCE&G, Palmetto Center in Columbia. All local jurisdictions in the ten (10) mile Emergency Planning Zone (EPZ) also concur in this movement.

Sincerely,

A handwritten signature in dark ink, appearing to read "Paul R. Lunsford".

Paul R. Lunsford
Director

PRL:BR:lvs



VICE PRESIDENT
FEB 20 1990
Nuclear Operations Division

Emergency Preparedness Division
Rutledge Building 1429 Senate Street
Columbia, South Carolina 29201 (803) 734-8020

EOF RELOCATION SCHEDULE

- | | |
|---|----------|
| • DEVELOP OPTIONS AND RECOMMENDATIONS FOR MANAGEMENT | 11/15/89 |
| • MANAGEMENT REVIEW AND APPROVAL | 01/01/90 |
| • DEVELOP IMPLEMENTATION PLAN | 04/01/90 |
| • OBTAIN NRC APPROVAL | 06/01/90 |
| • COMPLETE EOF RELOCATION ACTIVITIES | 03/01/91 |
| • TEST THE NEW EOF IN ANNUAL EXERCISE | 07/91 |
| • REVISE THE RADIATION EMERGENCY PLAN AND IMPLEMENT NEW EOF | 09/01/91 |