

March 1, 1985

Docket No: 50-395

LICENSEE: South Carolina Electric & Gas Company

FACILITY: V. C. Summer Nuclear Station

SUBJECT: SUMMARY OF MEETING WITH SOUTH CAROLINA ELECTRIC & GAS COMPANY

GENERAL

On February 15, 1985, the NRC staff met with South Carolina Electric and Gas Company (SCEG) to brief the incoming Director of the Division of Licensing on the status of V. C. Summer. The meeting was held in Bethesda, Maryland. A list of those persons who attended the meeting is included as Enclosure 1.

DISCUSSION

The NRC project manager made a presentation concerning plant status, current licensing issues, SALP, and SCE&G offsite organization. Enclosure 2 is a copy of the material used for this presentation.

SCE&G made a presentation concerning plant history and significant issues.

After a question and answer period, the briefing was concluded.

Original Signed By:

J. B. Hopkins
Jon B. Hopkins, Project Manager
Licensing Branch No. 4
Division of Licensing

DL:LB #4
JHopkins/ah
2/28/85

DL:LB #4
EAdensam
2/28/85

8503080414 850301
PDR ADOCK 05000395
P PDR

SUMMER

Mr. O. W. Dixon, Jr.
Vice President, Nuclear Operations
South Carolina Electric & Gas Company
P.O. Box 764 (Mail Code 167)
Columbia, South Carolina 29218

cc: Mr. William A. Williams, Jr.
Technical Assistant, Nuclear Operations
Santee Cooper
P.O. Box 764 (Mail Code 167)
Columbia, South Carolina 29218

J. B. Knotts, Jr., Esq.
Bishop, Liberman, Cook, Purcell
and Reynolds
1200 17th Street, N.W.
Washington, D. C. 20036

Mr. Mark B. Whitaker, Jr.
Group Manager - Regulatory and
Support Services
South Carolina Electric & Gas Company
P.O. Box 764 (Mail Code 160)
Columbia, South Carolina 29218

Resident Inspector/Summer NPS
c/o U.S. Nuclear Regulatory Commission
Route 1, Box 64
Jenkinsville, South Carolina 29065

J. Nelson Grace, Regional Administrator
U.S. Nuclear Regulatory Commission,
Region II
101 Marietta Street, N.W., Suite 2900
Atlanta, Georgia 30323

U.S. NUCLEAR REGULATORY COMMISSION... ATOMIC SAFETY & LICENSING APPEAL BOARD

Re: PHILA. ELEC. CO. Limerick Gen. Sta. Units 1 & 2. Docket no. 50-352,353

Jan. 17, 1985

APPEAL BY R.L. ANTHONY/FOE FROM THE ORAL RULING BY LB ON 1/10/85, DENYING OUR MOTION OF 12/8/84 TO INCLUDE VALLEY FORGE PARK IN EMERGENCY EVACUATION PLANNING.

On 12/8/84 R.L. Anthony/FOE submitted a motion to LB to include Valley Forge National Park in the Limerick EPZ and emergency evacuation planning as a consequence of new information supplied by Chief Ranger T.J. Fewlass in testimony before LB on 12/5/84. LB denied our motion @ Tr. 17,506 23-25.

Mr. Fewlass testified that part of the Park is within the 10 mile radius and that he ^{had} supplied maps to PEMA to prove this and that PEMA had revised its maps but had not notified the Parties. We assert that this prejudiced our preparation of our contention on the safety of visitors in the Park and all the Parties' consideration of the adequacy of emergency planning in case of a nuclear emergency at Limerick.

We assert that Valley Forge National Park as a governmental entity with the responsibility for the safety of thousands of visitors, with part of its area within the 10 mile zone, should have been given the choice to be included in emergency planning in accordance with NRC regulations. Mr. Fewlass testified that this choice was never offered.

We move that the Appeal Board reverse LB's decision and order Valley Forge Park be given the opportunity to be included in the EPZ and emergency evacuation planning. We petition the Board to order LB to hold a hearing on including the Park in EPZ, should the Board not decide to order Valley Forge Park included, on the basis of our motion and the record of the LB hearing in Philadelphia in December 1984.

cc: NRC Staff, Docketing Serv. LB Judges
PEMA, FEMA, Conner & Wetterhahn, LEA,
Others on service list.

Respectfully submitted,

Robert L. Anthony

Box 186 Moylan, Pa. 19065

EXHIBIT G

Enclosure 1

ATTENDEES

NRC

H. Thompson
E. Adensam
J. Hopkins

SCE&G

D. Nauman
M. Whitaker

CE POWER SYSTEMS

B. Doroshuk

Virgil C. Summer Nuclear Station

South Carolina Electric and Gas Company
South Carolina Public Service Authority

J. B. Hopkins, LB #4 (x28395)

STATUS

PWR-Westinghouse 3 -loop
Operating - 2nd cycle
Refueling scheduled - September 1985

LICENSING ISSUES

1. Reload (To be submitted 3/85)
2. GL 83-28 response (Salem ATWS)

SALP

Facility Performance; March 1, 1983 - June 30, 1984 rating period

<u>Functional Area</u>	<u>Category Rating</u>	<u>Trend During This Period</u>
1. Plant Operations	2	Improved
2. Radiological Controls	1	Same
3. Maintenance	1	Same
4. Surveillance	2	Improved
5. Fire Protection	2	Improved
6. Emergency Preparedness	1	Same
7. Security and Safeguards	1	Same
8. Refueling	Not Rated	Not Determined
9. Licensing Activities	2	Same
10. Quality Assurance Program	2	Same

Current rating period; July 1, 1984 - December 31, 1985

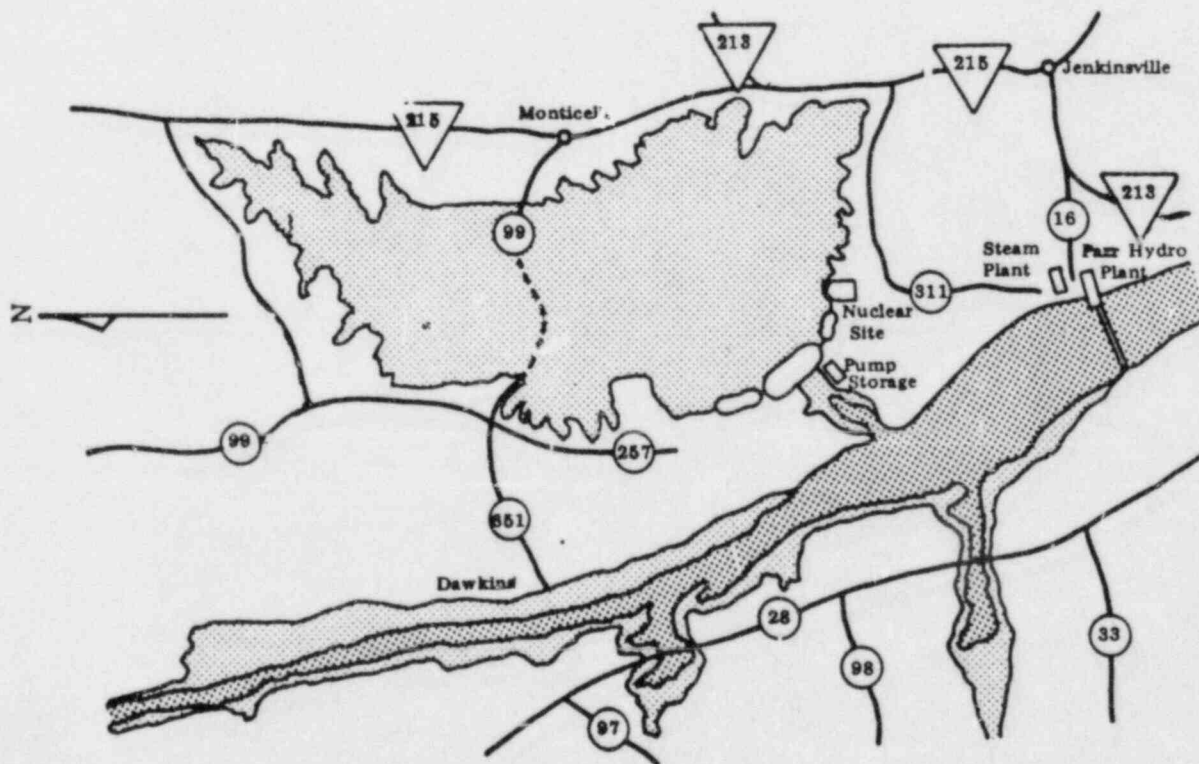
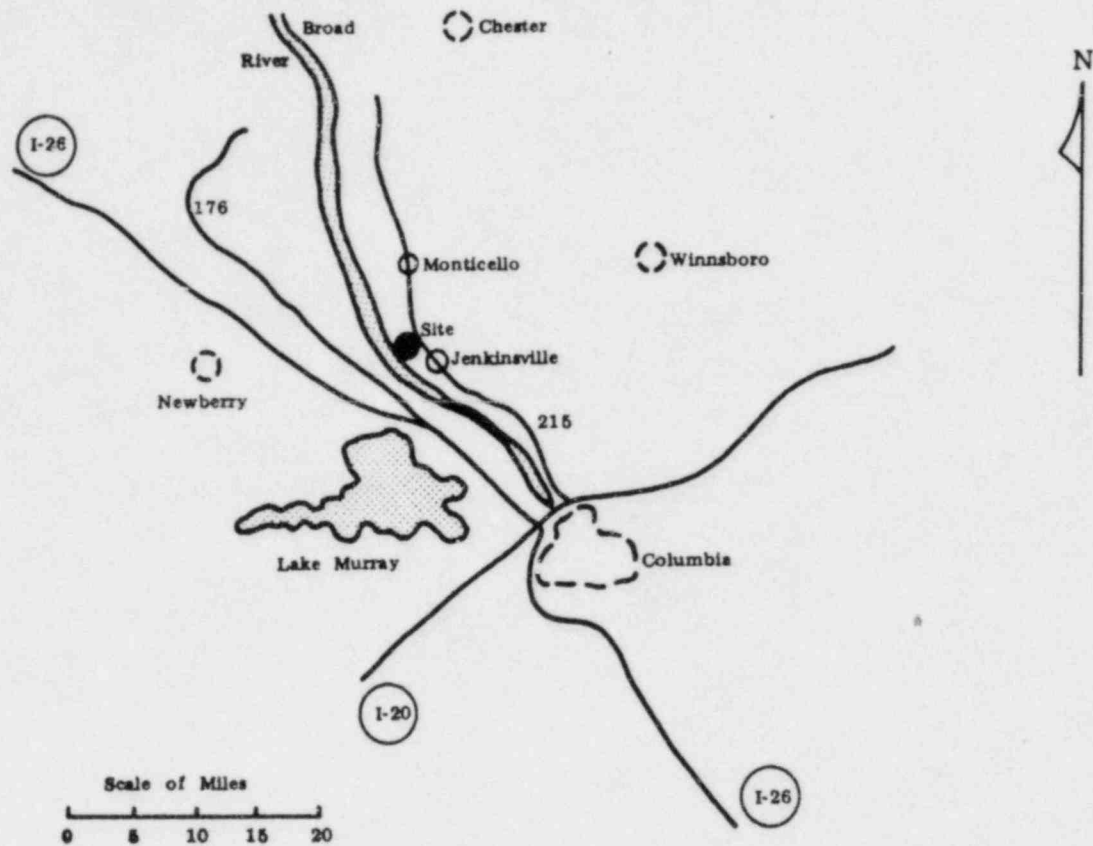


Figure 2-1
General Site Location

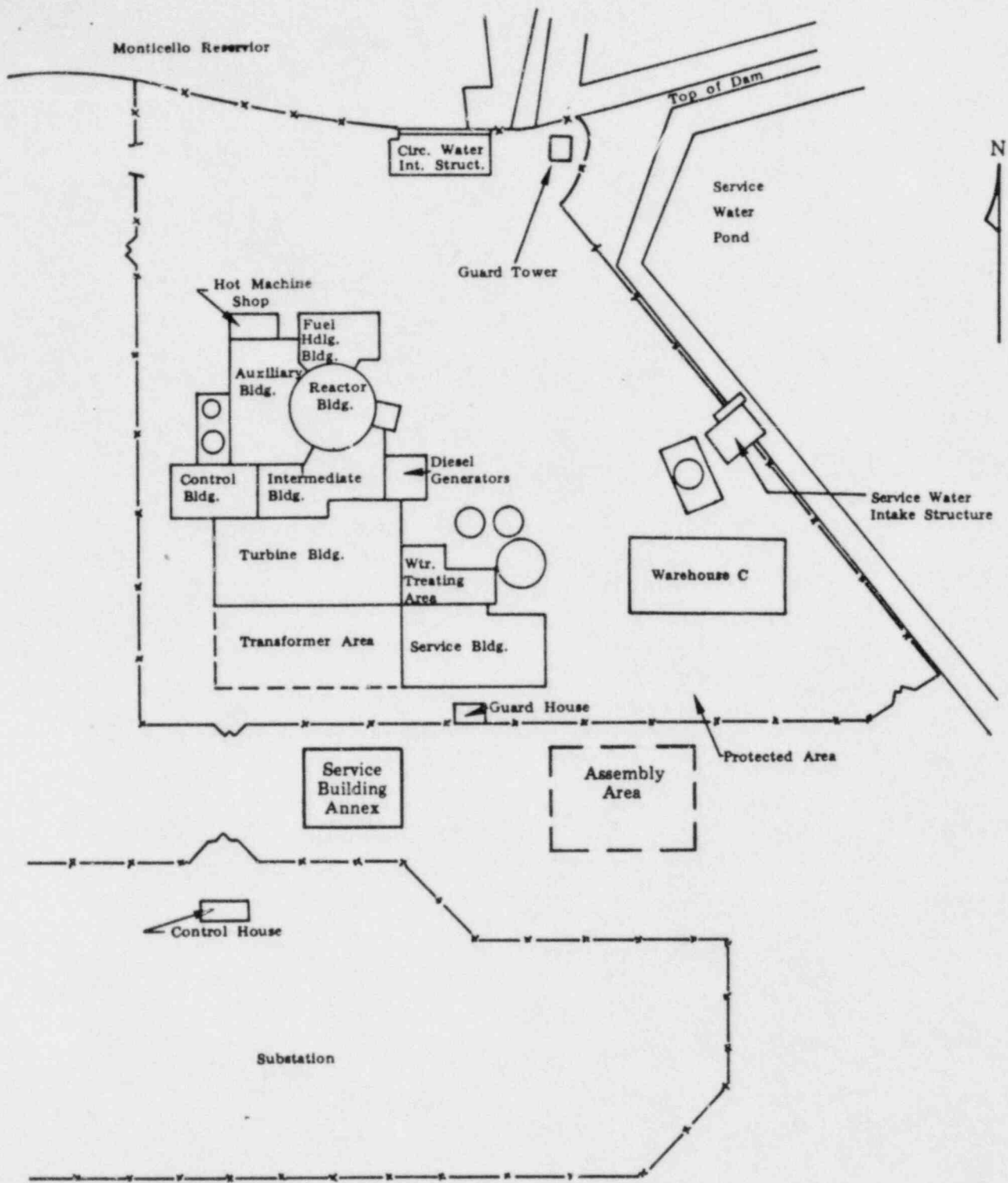


Figure 2-2
 Site Arrangement

* SUMMER 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....FAIRFIELD
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...26 MI NW OF
COLUMBIA, SC
TYPE OF REACTOR.....FWR
DATE INITIAL CRITICALITY...OCTOBER 22, 1982
DATE ELEC ENER 1ST GENER...NOVEMBER 16, 1982
DATE COMMERCIAL OPERATE...JANUARY 1, 1984
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MONTICELLO RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTH CAROLINA ELECTRIC & GAS CO.
CORPORATE ADDRESS.....P.O. BOX 764
COLUMBIA, SOUTH CAROLINA 29202
CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DANIEL INTERNATIONAL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....C. HEHL
LICENSING PROJ MANAGER.....J. HOPKINS
DOCKET NUMBER.....50-395
LICENSE & DATE ISSUANCE...NPF-12, NOVEMBER 12, 1982
PUBLIC DOCUMENT ROOM.....FAIRFIELD COUNTY LIBRARY
GARDEN & WASHINGTON STREETS
WINNSBORO, SOUTH CAROLINA 29180

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION AUGUST 1-31 (84-25): THIS ROUTINE, RESIDENT INSPECTION ENTAILED 184 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT TOURS; OPERATIONAL SAFETY VERIFICATION; MONTHLY SURVEILLANCE OBSERVATIONS; MONTHLY MAINTENANCE OBSERVATIONS; SPENT FUEL POOL RE-RACK MODIFICATION; REVIEW OF INSPECTOR FOLLOWUP ITEMS; LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS AND NON-ROUTINE EVENT REPORTS. THREE VIOLATIONS WERE IDENTIFIED - FAILURE TO PERFORM A WRITTEN SAFETY EVALUATION FOR A PROCEDURE USED TO CONDUCT "DRAG TESTING" ON THE SPENT FUEL STORAGE RACKS; FAILURE TO PROPERLY CALIBRATE THE SPENT FUEL BRIDGE CRANE LOAD CELL; AND FAILURE TO PERFORM A REQUIRED PRE-USE CRANE INSPECTION AND USE OF A CRANE OPERATOR WHO WAS NOT PROPERLY QUALIFIED.

INSPECTION SEPTEMBER 11-14 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 28 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, MAINTENANCE SCHEDULING AND PLANNING, AND SPENT FUEL STORAGE RACKS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 10-13 (84-28): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 26 INSPECTOR-HOURS ON SITE IN THE AREAS OF SPENT FUEL POOL ACTIVITY (86700) AND INDEPENDENT INSPECTION EFFORT (92706). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 1 - OCTOBER 1 (84-29): THIS ROUTINE, RESIDENT INSPECTION INVOLVED 164 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT TOURS; OCCUPATIONAL SAFETY VERIFICATION; MONTHLY SURVEILLANCE OBSERVATIONS; MONTHLY MAINTENANCE OBSERVATIONS; OBSERVATION OF NEW FUEL RECEIPT; REVIEW OF INSPECTOR FOLLOWUP ITEMS; LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS AND NON-ROUTINE EVENT REPORTS; AND FOLLOW UP OF OPERATING REACTOR EVENTS. TWO VIOLATIONS WERE IDENTIFIED; FAILURE TO FOLLOW PROCEDURES DURING NEW FUEL RECEIPT, FAILURE TO IDENTIFY AND TAKE PROMPT CORRECTIVE ACTION FOR A CONDITION ADVERSE TO QUALITY.

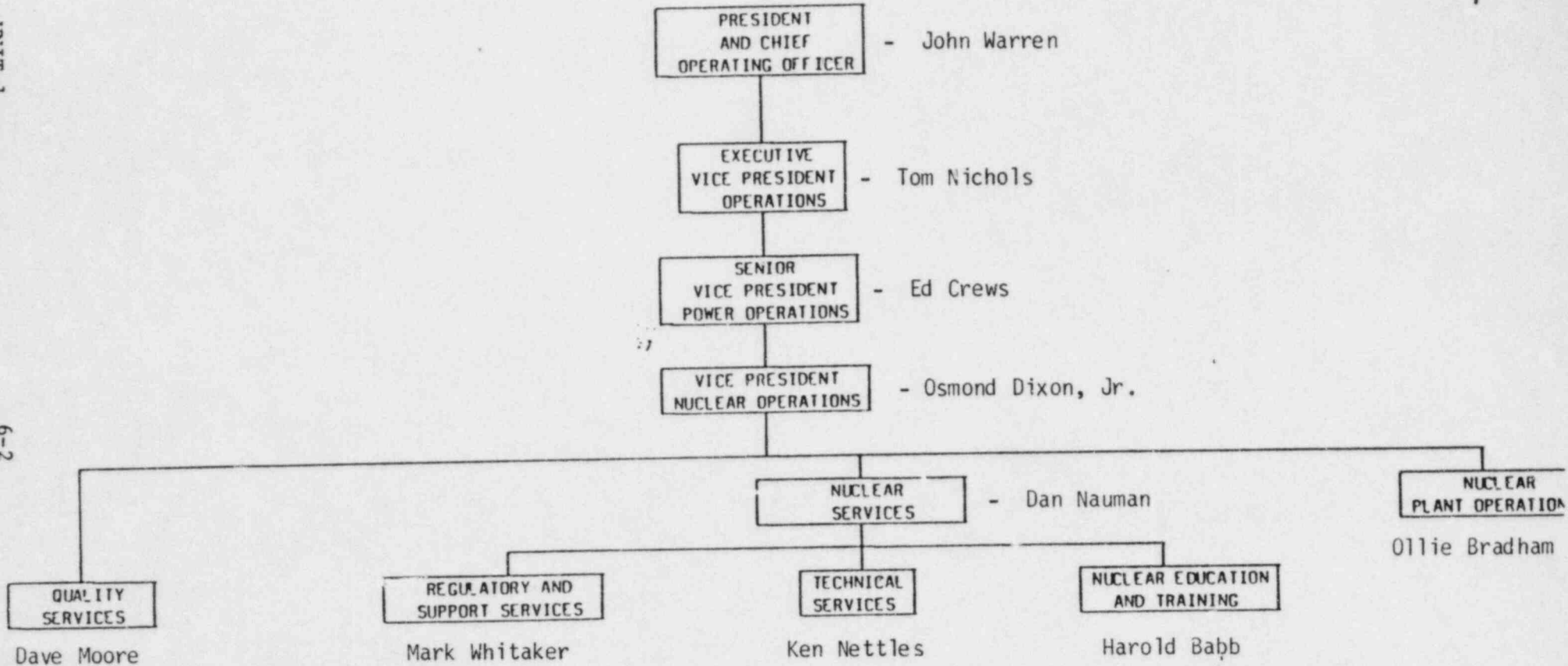


FIGURE 6.2.1
SOUTH CAROLINA ELECTRIC AND GAS COMPANY
VIRGIL C. SUMMER NUCLEAR STATION
OFFSITE ORGANIZATION

1. Docket: 50-395 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: G. A. LOIGNON (803) 345-5209

4. Licensed Thermal Power (Mwt): 277

5. Nameplate Rating (Gross MWe): 0900

6. Design Electrical Rating (Net MWe): 900

7. Maximum Dependable Capacity (Gross MWe): 900

8. Maximum Dependable Capacity (Net MWe): 885

9. If Changes Occur Above Since Last Report, Give Reasons:

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>7,320.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,253.5</u>	<u>5,253.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,095.6</u>	<u>5,095.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>12,876,704</u>	<u>12,876,704</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,286,303</u>	<u>4,286,303</u>
19. Net Elec Ener (MWH)	<u>-5,145</u>	<u>4,078,738</u>	<u>4,078,738</u>
20. Unit Service Factor	<u>.0</u>	<u>69.6</u>	<u>69.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>69.6</u>	<u>69.6</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>62.8</u>	<u>63.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>61.9</u>	<u>61.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>11.2</u>	<u>11.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>644.4</u>	<u>644.4</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

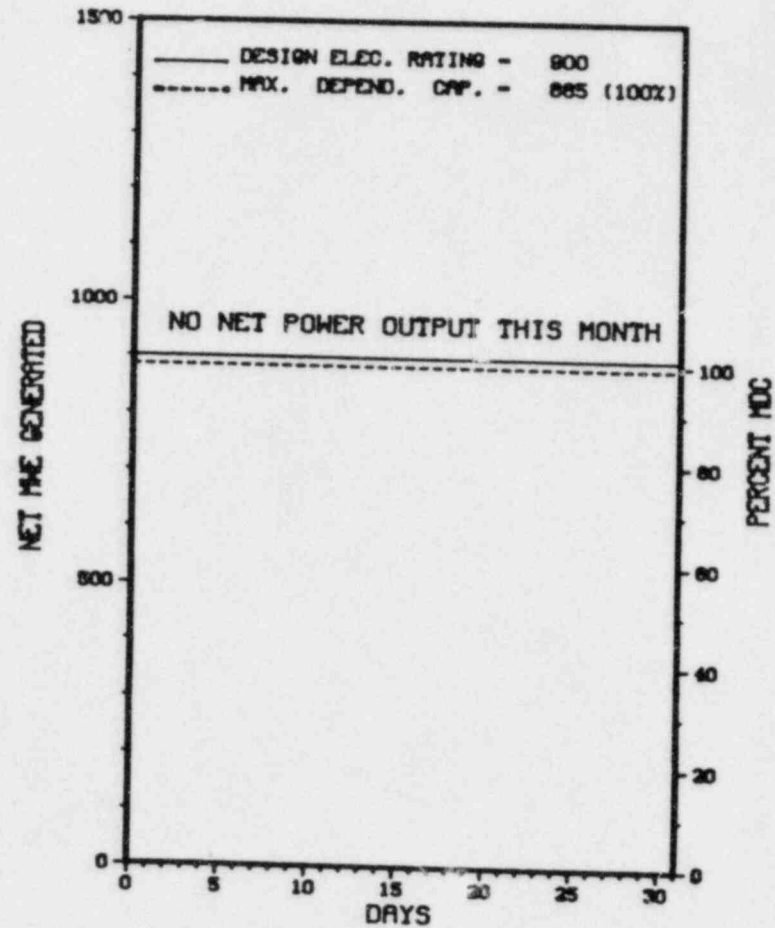
NONE

27. If Currently Shutdown Estimated Startup Date: 12/01/84

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * SUMMER 1 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUMMER 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

XX
X SUMMER 1 X
XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	09/28/84	S	745.0	C	4				REFUELING OUTAGE CONTINUES.

XXXXXXXXXX
* SUMMARY *
XXXXXXXXXX
SUMMER 1 REMAINS SHUT DOWN FOR REFUELING.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

Report Period OCT 1984

INSPECTION STATUS - (CONTINUED)

* SUMMER 1 *

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN ON SEPTEMBER 28, 1984 FOR REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: SEPTEMBER 1, - OCTOBER 1, 1984 +

INSPECTION REPORT NO: 50-395/84-29 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-037	08/20/84	09/19/84	DISCREPANCY OBSERVED BETWEEN STEAM GENERATOR WIDE RANGE AND NARROW RANGE LEVEL INDICATIONS AT 100% STEAM GENERATOR LEVEL, CAUSED BY COLD CALIBRATION.
84-038	09/07/84	10/05/84	PORV POSITION INDICATION. THE CHANNEL WAS CALIBRATED AND CHANNEL CHECKED.
84-039	09/07/84	10/05/84	DEGRADED FIRE BARRIER. THE DAMAGED BARRIER WAS REPLACED WITH A NEW CARRIER.

CONDENSED MANAGEMENT REPORT
(HEADQUARTERS)

RUN DATE: 02/01/85

FACILITY: SUMMER 1

PLANT LOCATION: 26 MI NW OF COLUMBIA, SC
 DOCKET NUMBER: 050-00395
 ARCH/ENGINEER: GIL
 IE INSPECTOR: C. HEHL

LICENSED POWER: 2775 MWT
 DESIGN POWER: 0900 MWE
 NSSS VENDOR: WEST

PROJECT MANAGER: J. HOPKINS
 BRANCH CHIEF: E. ADENSAM
 LIC. ASSISTANT: M. DUNCAN

TITLE	TAC NUMBER	MPA NO.	RAI DATE	RAI RESPONSE DATE	TER DATE	SE INPUT DATE	LIC ACT DATE
**** ACTIVE ISSUES ****							
SW INTAKE STRUCTURE	M49203				N/A		03/29/85
RCS FLOW	M55298				N/A		03/29/85
TYPE C TESTS	M49209				N/A		06/28/85
TECH. SPEC. 6.3. SRO QUALS.	M55533				N/A		06/28/85
CONTROL OF HEAVY LOADS - PHASE II (FOLLOWUP OF MPA#C-10)	M52275	C-15					06/30/85
CONTROL OF HEAVY LOADS (PHASE I)	M52376	C-10					06/30/85
T.S. MICH. SNUBBERS	M53282				N/A		08/30/85
FULL LOAD REJECTION CAPABILITY	M55811				N/A		08/30/85
CABLE TRAY SEPARATION	M56394						08/30/85
CONT. RADIOACTIVITY PURGE EXHAUST MONITOR	M56400						08/30/85
I.D.2. SAFETY PARAMETER DISPLAY SYSTEM	M51287	F-09					09/30/85
RV AND SV TESTING	M51606	F-14					09/30/85
INSTRUMENTATION TO FOLLOW THE COURSE OF AN ACCIDENT (RG PROCEDURES GENERATION PACKAGES (SUPPLEMENT 1, NUREG-0737)	M51137	A-17					12/31/85
ITEM 1.1 - POST TRIP REVIEW PROGRAM DESCRIPTION AND	M55344						12/31/85
ITEM 2.1 - EQUIPMENT CLASSIFICATION AND VENDOR INTERFACE -	M52804	B-76					12/31/86
ITEMS 3.1.1 & 3.1.2 - POST MAINTENANCE TESTING	M52885	B-77					12/31/86
ITEM 3.1.3 -POST-MAINTENANCE TESTING-CHANGES TO TECH	M52966	B-78					12/31/86
REACTOR TRIP SYSTEM RELIABILITY- VENDOR RELATED	M53047	B-79					12/31/86
ITEMS 4.2.1 & 4.2.2 - PREVENTATIVE MAINTENANCE PROGRAM FOR	M53102	B-80					12/31/86
AUTO SHUT TRIP TECH SPECS	M53155	B-81					12/31/86
ITEM 1.2 - POST TRIP REVIEW-DATA AND INFORMATION CAPABILITY	M53406						12/31/86
ITEM 2.2 - EQUIPMENT CLASSIFICATION AND VENDOR INTERFACE -	M53637						12/31/86
ITEMS 3.2.1 & 3.2.2 - POST-MAINT TESTING PROCEDURES AND	M53720						12/31/86
ITEM 3.2.3 - POST-MAINTENANCE TESTING -CHANGES TO TECH.	M53803						12/31/86
ITEMS 4.2.3 & 4.2.4-PREVENTATIVE MAINTENANCE PROGRAM FOR RX	M53886						12/31/86
ITEMS 4.5.2 & 4.5.3 - REACTOR TRIP SYSTEM FUNCTIONAL TESTING	M53942						12/31/86
ITEM 4.5.1 - REACTOR SYSTEM FUNCTIONAL TESTING - DIVERSE	M54030						12/31/86
DIESEL GENERATOR RELIABILITY TECH. SPECS. (GL 84-15)	M54113						12/31/86
I.D.1.2 DETAILED CONTROL ROOM DESIGN REVIEW SUMMARY REPORT -	M55907	D-19					12/31/86
ISI/PUMP RELIEF REQUESTS	M56169	F-71					12/31/86
SEISMIC MONITORING PROGRAM	M49976						12/31/88
	M52413				N/A		12/31/88
** UNSCHEDULED ISSUES **							
SEP VENTILATION SYSTEM	M56528						
NATURAL CIRCULATION TESTS	M56598						
STM GEN LVL TRIP.FULL LOAD REG.	M56605						
*** COMPLETED ISSUES ***							
I.D.1.1 - DETAILED CONTROL ROOM DESIGN REVIEW PROGRAM PLAN	M51207	F-08					10/10/84C

TECHNICAL ASSIGNMENT CONTROL SYSTEM
CONDENSED MANAGEMENT REPORT
(HEADQUARTERS)

FACILITY: SUMMER 1

<u>TITLE</u>	<u>TAC NUMBER</u>	<u>MPA NO.</u>	<u>RAI DATE</u>	<u>RAI RESPONSE DATE</u>	<u>TER DATE</u>	<u>SE INPUT DATE</u>	<u>LIC ACT DATE</u>
*** COMPLETED ISSUES *** (CONTINUATION)							
OVERPOWER & OVERTEMP. DELTA T SETPTS	M52056				N/A		10/12/84C
RHR SYS. POWER LOCKOUTS (L.C. 15)	M54467				N/A		10/15/84C
ASME SECTION XI HYDRO. RELIEF, 9/84	M55503				N/A		10/23/84C
RBCU FAN MOTORS EDDY CURRRENT BRAKE- CONT. PENET. COND. OVER	M53283				N/A		10/24/84C
MOV THERMAL OVERLOADS	M55314				N/A		10/24/84C
DIESEL GENERATORS - L.C. 2 C. (19)	M55216				N/A		11/08/84C
SEISMIC MONITORING INSTRUMENTATION TECHNICAL SPECIFICATION	M55502				N/A		11/08/84C
RX BLDG SUMP ISO VALVES-CONT. PENET. COND. OVERCURRENT PROT.	M53550				N/A		11/13/84C
TURBINE/RX TRIP: P-9 INTERLOCK	M55095				N/A		11/30/84C
RADIAL PEAKING FACTOR LIMIT (TECH. SPEC. 6.9.1.14)	M56043				N/A		12/11/84C
GL 83-43 (50.72 & 50.73)	M55390	A-18			N/A		01/02/85C
DIESEL GEN. TESTING	M56492				N/A		01/07/85C

PROFESSIONAL QUALIFICATIONS
JON B. HOPKINS
LICENSING BRANCH NO. 4
DIVISION OF LICENSING
OFFICE OF NUCLEAR REACTOR REGULATION

I am a Project Manager in the Division of Licensing, Office of Nuclear Reactor Regulation. I am currently responsible for managing and coordinating licensing activities with respect to the Virgil C. Summer Nuclear Station.

I have served in the position of Project Manager since October 1981. This position provides for managing and coordinating the safety and environmental reviews of applications for licenses to operate or construct light water nuclear power plants, and reviews of amendments to construction permits or operating licenses. I assumed responsibility of V. C. Summer in December 1982.

I have also served as the Project Manager of the Wolf Creek Generating Station between October 1981 and November 1982.

Between February 1980 and September 1981, I was an NRC inspector in Region III, Glen Ellyn, Illinois. I primarily inspected operating reactors, both BWR's and PWR's. My responsible inspection areas included core physics, CILRT's, refueling, and RCS leakrate determination.

Between June 1974 and December 1979, I was a Senior Test Engineer in the Nuclear Test Department of Electric Boat Division, General Dynamics in Groton, Connecticut. In that capacity, I was in charge of and responsible for the safety of the nuclear plant (Naval nuclear ships) for my assigned shift. I directed all nuclear tests and concurred in all nuclear work items performed during my shift.

I received a B.S. degree in Electrical Engineering from Tufts University in Medford, Massachusetts.

DLS 016

March 1, 1985

MEETING SUMMARY DISTRIBUTION

~~Docket No(s): 50-395~~

NRC PDR

Local PDR

NSIC

PRC System

LB #4 r/f

Attorney, OELD

E. Adensam

Project Manager J. Hopkins

Licensing Assistant M. Duncan

NRC PARTICIPANTS

H. Thompson

E. Adensam

J. Hopkins

bcc: Applicant & Service List