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September 28, 1988

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 September 1, 1988, the NRC staff, consisting of representatives of the Office of Nuclear Reactor Regulation, met with the South Carolina Electric & Gas Company (SCE&G) to discuss the status of the licensing issues for the V. C. Summer Nuclear Station. The meeting was held at the offices of NRC in Rockville, Maryland. A list of those persons who attended the meeting is included as Enclosure 1.

Discussion

A handout was provided at the meeting which provided the NRC's current assessment of the status of various licensing actions. This handout is included as Enclosure 2. Discussion focused on those licensing actions required for the refueling outage which is to begin on September 16, 1988. A discussion was also held on the licensee's proposed response to NRC Bulletin 88-08, "Thermal Stresses in Piping Connected to Reactor Coolant Systems." The licensee discussed their preliminary findings and their intended actions during the next refueling outage scheduled for September 16, 1988 through December 1, 1988.

The next meeting is currently scheduled for October 18, 1988 at the V. C. Summer Station.

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BB10030289 880928  
PDR ADOCK 05000395  
P PNU

John J. Hayes, Jr., Project Manager  
Project Directorate II-1  
Division of Reactor Projects I/II

Enclosures:  
As stated

cc w/enclosures:  
See next page

DF01  
1/1

OFC	:PH:PD21:DRPR:D:PH:DRPR	:	:	:	:	:
NAME	:JJHayes:lh	:EAdensam	:	:	:	:
DATE	:9/27/88	:9/28/88	:	:	:	:

Mr. O. S. Bradham  
South Carolina Electric & Gas Company

Virgil C. Summer Nuclear Station

cc:

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Mr. Heyward G. Shealy, Chief  
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South Carolina Electric & Gas Company  
Mr. A. R. Koon, Jr., Manager  
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Virgil C. Summer Nuclear Station  
P. O. Box 88  
Jenkinsville, South Carolina 29065

ENCLOSURE 1

ATTENDANCE

September 1, 1988

SCE&G

M. Williams  
A. Koon, Jr.

NRC

E. Adensam  
S. Wu

Observer

S. Poltorak  
(Bechtel)

STATUS OF NRC TACS FOR THE V. C. SUMNER PLANT  
SEPTEMBER 1, 1988

49976

ISI/IST PROGRAMS

IST (KEN DEMPSEY)

- SER ISSUED 4/19/88
- SOME RELIEFS DENIED, SOME GRANTED
- LICENSEE MUST ADDRESS APPENDIX C OF THE TCR WHICH COVERS OMISSIONS AND INCONSISTENCIES IN THE PROGRAM.
- MEETING HELD 6/1/88 TO DISCUSS RELIEFS WHICH WER DENIED AND 12/23/87 REVISED PROGRAM.

ISI (MARTIN HUME)

- REVIEWER PROMISED SE BY 6/88.
- ITEM NOW GIVEN LOW PRIORITY.
- PM TO INVESTIGATE WRITING SE HIMSELF.

51287

SPDS (G. WEST)

- SER ISSUED
- THREE OPEN ITEMS
  1. TOP LEVEL ICONICS ARE NOT CONTINUOUSLY DISPLAYED.
  2.
    - a. SYSTEM RESPONSE TO OPERATOR COMMANDS IS VERY SLOW.
    - b. SYSTEM HAS NOT BEEN ABLE TO MEET ITS UNAVAILABILITY GOAL OF LESS THAN 1 %
    - c. LACK OF REDUNDANCY IN THE DATA ACQUISITION CONTROLLER AND THE UNIBAR CONTROL SWITCH INCREASES THE VULNERABILITY OF THE SYSTEM TO FAILURES CAUSED BY THESE COMPONENTS.
  3. HUMAN FACTOR PRINCIPALS NEED TO BE RESOLVED.
  4. SOME NON-VALID VALUES OR CONDITIONAL FLAGS EXISTED FOR RHR FLOW RATE, SUBCOOLING MARGIN, REACTOR VESSEL LEVEL INDICATION SYSTEM (RVLIS), STARTUP RATE, CONTAINMENT HYDROGEN, AND SAFETY INJECTION (SI) FLOW.
- RESPONSE SENT FROM THE LICENSEE 6/16/88.
- LICENSEE COMMITTED TO A NEW SPDS TO BE INSTALLED DURING 1990 REFUELING OUTAGE.
- WILL NECESSITATE NEW NRC REVIEW CYCLE.
- ANTICIPATED CLOSURE OF THIS ITEM IS 12/31/90.

- SE TO THE PM 8/31/88.
- 84821 RSB 5-1. NATURAL CIRCULATION TEST OF THE REACTOR COOLANT  
-REACTOR SYSTEMS BRANCH TO REVIEW THIS ITEM.
- 85060 REMOVAL OF FIRE PROTECTION REQUIREMENTS FROM THE T GL 88-10  
-RE-SHOLLY ISSUED 2/24/88.  
-AMENDMENT TO HAVE BEEN ISSUED 5/88.  
-CONCURRENCE STOPPED DUE TO FORTHCOMING GUIDANCE IN GENERIC LETTER TO BE ISSUED.  
-GENERIC LETTER ISSUED 8/3/88.  
-MEETING TO BE HELD 8/17/88 TO DISCUSS REVISED SUBMITTAL.
- 85778 REMOVAL OF ORGANIZATIONAL CHARTS FROM THE TS  
-SC&G PROVIDED RESPONSE BASED UPON GL 88-08 ON 5/16/88.  
-TO BE RE-SHOLLY 8/25/88.  
-AMENDMENT TO BE ISSUED 10/88.
- 86258 LOSS OF BHR WHILE RCS PARTIALLY FILLED. 1/2 LOOP OPERATION  
-COPIES OF SC&G SUBMITTAL SENT TO LEAD PM AND LEAD REVIEWER.
- 87327 RAPIDLY PROPAGATING FATIGUE CRACKS IN SG TUBES. BULLETIN 88-02  
-LICENSEE RESPONSE SENT 3/24/88.
- 87340 ORGANIZATIONAL CHARTS TO REFLECT 1/25/88 REORGANIZATION  
-AMENDMENT TO BE ISSUED 9/88.
- 87727 RESPONSE TO BULLETIN 88-01. DEFECTS IN WESTINGHOUSE CIRCUIT BREAKERS.  
*209/200*  
-RESPONSE PROVIDED ON 3/30/88 ON SHORT TERM INSPECTION.  
-RESPONSE REQUIRED WITHIN 30 DAYS AFTER LONG TERM INSPECTION.
- 87811 VANTAGE 5 FUEL. SPENT FUEL STORAGE (S. L. WU)  
-AMENDMENT TO BE ISSUED 9/88.

51808

RY AND BY TESTING (I.L.D.1) (GARY HAMMER)

- SCEAG SUBMITTED RESPONSE TO STAFF COMMENTS ON 5/9/88.
- ADDITIONAL QUESTIONS SUPPLIED TO SCEAG AS A RESULT OF THEIR 5/9/88 RESPONSE.
- DRAFT OF SCEAG RESPONSES TO NRC QUESTIONS GIVEN HAMMER ON 7/25/88.
- CONFERENCE CALL TO BE HELD ON THE RESPONSES THE WEEK OF 8/6/88.

53408

AUTO SHUNT TRIP IS. GL 83-28 ITEM 4.3 (DON LASHER)

- RAI ISSUED.
- CLARIFICATION
  - THAT TS TABLE 4.3-1 FUNCTIONAL UNIT NO. 1 "MANUAL REACTOR TRIP" APPLIES TO RT BYPASS BREAKERS AS WELL AS RT BREAKERS.
  - TS TABLE 4.3-1 NOTATION 13 DOES NOT COMPLY WITH THE GL WHICH SPECIFIES AN AUTOMATIC UNDERVOLTAGE TRIP.
- RESPONSE DUE FROM THE LICENSEE 4/58.

53720

ITEM 2.2 OF GL 83-28. EQUIP. CLASSIFICATION AND VENDOR INTERFACE FOR SAFETY RELATED COMPONENTS (DON LASHER)

- FARLEY TO BE HANDLED AS THE LEAD PLANT
- TEK ISSUED BY EGAG
- OPEN ITEMS ARE:
  - CONTACT VENDORS OF KEY COMPONENTS SUCH AS A PUMPS, ECCS PUMPS SAFETY RELATED BATTERIES, AND SAFETY RELATED VALVES TO FACILITATE THE EXCHANGE OF CURRENT TECHNICAL INFORMATION. AN INFORMAL INTERFACE AGREEMENT SHOULD BE ESTABLISHED.
  - FOR DGs AND SAFETY RELATED SWITCHGEAR VENDOR A FORMAL INTERFACE SIMILAR TO THAT WITH THE NSSS SHOULD BE ESTABLISHED.
- PM TO INVESTIGATE WRITING SE HIMSELF.

53942

ITEMS 4.2.3 & 4.2.4 OF GL 83-28. PREVENTIVE MAINTENANCE PROGRAM FOR BY TRIP BREAKERS. LINK TESTING & REPLACEMENT (D. TONDI)

- BULLETIN IS BEING PREPARED TO SEND TO CRGR THIS SUMMER.

54030

ITEMS 4.5.2 & 4.5.3 OF GL 83-28. REACTOR TRIP SYSTEM FUNCTIONAL TESTING. ALTERNATIVES & TEST



- 4.5.2 COMPLETED.
- AWAITING INPUT FROM OWNERS GROUP TO ADDRESS 4.5.3
- SOME INPUT HAS BEEN RECEIVED FROM THE OWNER'S GROUP.
- FURTHER REVIEW OF THE WCAP DOCUMENT IS ABOUT 6 MONTHS OFF.
- EARLY FALL BEFORE THIS ITEM IS SETTLED.

55344

PROCEDURES GENERATION PACKAGES (SUPPLEMENT 1, NUREG-0737) (GEORGE LAPINSKY)

- DRAFT SE ISSUED 8/29/87.
- PROBLEMS IDENTIFIED INCLUDED:
  1. PLANT SPECIFIC TECHNICAL GUIDELINES.
  2. WRITERS GUIDE.
  3. PROGRAM USED FOR VALIDATION OF EOPs.
  4. TRAINING PROGRAM FOR UPGRADED EOPs.
- SCE&G WAS TO RESPOND TO THE STAFF COMMENTS 5/88.
- NRC TO PERFORM INSPECTION OF 16 FACILITIES TO DETERMINE IF A DIFFERENT APPROACH IS NECESSARY IN THIS AREA.

56935

RCP TRIP CRITERIA, GL 83-10D (S. L. WU)

- SE FROM REVIEWER TO PM SCHEDULED 2/89.

59402

40 YEAR OL LIFE AMENDMENT

- LICENSEE RESPONDED TO RAI 3/30/88.
- ITEM HAS THE LOWEST OF PRIORITIES (4).
- WILL EVALUATE PM PERFORMING THE REVIEW.

59451

DIESEL GENERATORS TS (J. LAZEVICK)

- REQUEST FOR ADDITIONAL INFORMATION SUBMITTED TO SCE&G 11/9/87.
- COMMENTS ON 11/9/87 LETTER DEALT WITH TS 3/4.6.1.1 AND 4.6.1.2.
- RESPONSE TO RAI FROM LICENSEE 5/16/88.
- 7/26/88 SUBMITTAL FROM SCE&G MODIFIED TS 4.6.1.1.a.3 BY SPLITTING INTO 2 SEPARATE SURVEILLANCE REQUIREMENTS.
- RE-SHOLLIED 8/25/88.
- REVIEW TO BE COMPLETED BY TECHNICAL BRANCH 9/30/88.

62803

CONTAINMENT STRUCTURE INTEGRITY (C. P. TAN)

- LICENSEE RESPONSE SENT 3/17/88.
- NRC REVIEW TO BE COMPLETED 4/15/88.
- MEETING HELD 5/18/88.

67812 ISI RELIEF, HYDROSTATIC TESTING OF THE SGR SYSTEM  
(M. HUME)  
-SE TO BE ISSUED TO PH 8/88.

67920 INTEGRATED LEAKRATE TESTING  
-SE TO BE ISSUED BY PH 8/88.

68045 SINGLE CELL CHARGING OF SAFETY RELATED BATTERIES  
(A. TOLSTON)  
-QUESTIONS ISSUED TO THE LICENSEE 8/27/88.  
-MEETING TO BE HELD 9/88.

68048 IST 12/23/87 PROGRAM REVISION (K. DEMPSEY)  
-MEETING HELD 8/1/88.  
-LICENSEE TO RESPOND 8/88.

68274 SG TUBE SLEEVING  
-AMENDMENT REQUEST TO BE RETURNED TO SCEAG 9/88.

68610 IMPLEMENTATION OF STATION BALACKOCT RULE, 10 CFR  
89.83, A-22 (A. GILL)  
-RESPONSE DUE 4/17/89

68644 VANTAGE 5 FDAL, REMAINING TR SECTIONS (S. L. WO)  
-SE TO BE ISSUED BY TECHNICAL STAFF 10/1/88.

68660 BULLETIN 88-08, "THERMAL STRESSES IN PIPING  
CONNECTED TO REACTOR COOLANT SYSTEMS  
-RESPONSE REQUIRED 12/10/88

68634 BULLETIN 88-05, NON-CONFORMING MATERIALS SUPPLIED  
BY PIPING SUPPLIES, INC. AT FOLSOM, N.J. AND WEST  
JERSEY MANUFACTURING CO. AT WILLIAMSTOWN, N. J.  
B-104.  
-WRITTEN RESPONSE DUE APPROXIMATELY 9/15/88.  
-WRITTEN RESPONSE DUE 60 DAYS AFTER COMPLETION OF  
ALL SCHEDULED ACTIONS.

????? BORIC ACID CORROSION OF C-STEEL COMPONENTS IN PWR  
PLANTS QL 88-05  
-LICENSEE RESPONDED 6/3/88.  
-EVALUATION OF LOCATION OF C-STEEL REACTOR COOLANT  
PRESSURE BOUNDARY COMPONENTS AND THEIR



- VULNERABILITY TO BE COMPLETED BY 9/30/88.
- DESIGN ENGINEERING TO DEVELOPED GUIDELINES FOR EXAMINATION AND EVALUATION OF BORIC ACID BUILDUP ON SAFETY RELATED CLASS 1 PRIMARY BOUNDARY COMPONENTS.
- MAINTENANCE VALVE PACKING PROGRAM BEING IMPLEMENTED.
- MODIFICATIONS TO CONOSEALS PLANNED AND TO FITTINGS USED TO SEAL INCORE THERMOCOUPLES WIRING ON CONOSEAL ASSEMBLY.

77777 BULLETIN 88-03. INADEQUATE LATCH ENGAGEMENT IN HFA TYPE LATCHING RELAYS MANUFACTURED BY GE.

- RESPONSE DUE WITHIN 30 DAYS FOLLOWING RESTART AFTER NEXT REFUELING OUTAGE.

77777 BULLETIN 88-04. POTENTIAL SAFETY RELATED PUMP LOSS.

- WRITTEN RESPONSE DATED 7/8/88.
- VENDOR INFORMATION NEEDED ON EFW PUMPS MINIMUM FLOW REQUIREMENTS TO PREVENT DEGRADATION FROM HYDRAULIC INSTABILITY.
- WRITTEN RESPONSE DUE WITHIN 30 DAYS OF COMPLETION OF THE LONG TERM RESOLUTION ACTIONS.

77777 BULLETIN 87-02. SUPPLEMENT 1. "FASTENERS TESTING TO DETERMINE CONFORMANCE APPLICABLE MATERIAL SPECIFICATIONS"

- RESPONSE SUBMITTED 7/20/88.

77777 GENERIC LETTER 88-11. "NRC POSITION ON RADIATION BRITTLENESS OF REACTOR VESSEL MATERIAL AND ITS IMPACT ON PLANT OPERATIONS."

- RESPONSE DUE 1/12/89.

TAC NO.	DESCRIPTION OF THE TAC	TACS CLOSED	DATE CLOSED
51137	NG 1.97 INSTRUMENTATION (BARRY MARCUS)		7/27/88
56169	TMI ACTION ITEM I.D.1.2, DETAILED CONTROL ROOM DESIGN REVIEW SUMMARY REPORT (GEORGE LAPINSKY)		6/12/87
59146	10CFR50.82 OPERATING REACTORS REVIEW ATWS (R. STEVENS)		7/23/88
64558	RB COOLING SYSTEM		1/19/88

65321	PHYSICAL SECURITY PLAN	5/26/88
65779	FISSION CHAMBER DETECTORS	6/27/88
67077	SERVICE WATER PUMP ROOM TEMPERATURE MONITORING TS 3.7.1.1.	6/8/88
67279	STEAM BINDING OF AFW PUMPS, GL 88-03, MPA B-98	5/25/88
67339	TS AMENDMENT TO SECTION 6 ON NSRC ADDITION OF EXEC. VP	6/13/88

DISTRIBUTION FOR MEETING SUMMARY DATED: September 28, 1988

Facility: V. C. Summer Nuclear Station

Docket File

- NRC PDR
- Local PDR
- PD11-1 Reading
- E. Adensam
- P. Anderson
- J. Hayes
- OGC
- E. Jordan (MNBB 3302)
- B. Grimes (9A2)
- S. Wu (BE23)
- ACRS (10)
- B. Troskoski (17D19)

cc: Licensee/Applicant Service List

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