

NRC INCIDENT INVESTIGATION TEAM
ENTRANCE PRESENTATION

BY

GEORGIA POWER COMPANY

3/26/90

VAPOTO

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S PDR

TOPICS

*PLANT STATUS AT EVENT INITIATION

*CHRONOLOGY OF EVENTS

*DIESEL GENERATOR STATUS AND PLANS

*OUTAGE STATUS

*EVENT REVIEW TEAM (GPC) STATUS

*QUESTIONS/ANSWERS

PLANT STATUS AT EVENT INITIATION

REACTOR COOLANT SYSTEM (RCS)

RCS AT MID-LOOP (187'-11") ON 1A RHR

S/G MANWAYS INSTALLED ON #1, 4; WORK IN PROGRESS TO INSTALL #2, 3

OTHER MID-LOOP WORK; HV-8808D AND CHARGING CHECK VALVE

BORATION PATH FROM RWST (79%) THROUGH 1A CCP

SI PUMPS AVAILABLE WITH SUPPLY BREAKERS RACKED OUT

ELECTRICAL

(SEE FIGURE)

CONTAINMENT

EQUIPMENT HATCH OPEN

PERSONNEL HATCH INTERLOCKS BROKEN, OTHERWISE OPERABLE

NO OTHER BREACHES

Sequence of Events
Chronology

SITE AREA EMERGENCY
3/20/90

EST	TIMELINE
0900	Fuel truck entered protected area
0920	Loss of 1A & 2B RAT due to switchyard accident because fuel truck backed into insulator support
0920	Unit 2 Trip - Unit stable Unit 1 D/G-1A started, tripped 1 minute 20 seconds after breaker closure. PEO dispatched to investigate D/G trip, SRO dispatched to investigate sequencer.
0921	Security Diesel started and loaded properly
0940	Site Area Emergency (SAE) declared due to loss of power
0941	A train sequencer reset and D/G 1A Auto started and tripped 1 minute 10 seconds after breaker closure
0957	Start initial notification of SAE using SC Backup ENN
0956	Local start of D/G-1A - power to 1E Bus, NSCW and CCW pumps on A Train (onsite power restored)
0958	NRC operations center notified of SAE
1000	Started A Train RHR pump and placed it in the shutdown cooling mode. At this time the maximum core exit T/C temperature was 118 degrees F., RHR inlet was 136 degrees F.
1001	Page announcement to site (Site Area Emergency Announcement)
1002	Security commenced accountability
1002	Security (PESB) notified by ED via communicator
1005	General Office Operations Center (Birmingham) activated
1009	Visitors Center initial notification (Public Information)
1011	GPC Public Information in Atlanta notified by Ray Harris

Sequence of Events
Chronology

SITE AREA EMERGENCY
3/20/90

EST	TIMELINE
1013	Completed initial notifications to Aiken, Allendale, Barnwell, SRS, S.C. (GEMA and BCEMA not notified).
1013	TSC ENN communicator conducts roll call to test TSC equipment.
1015	Called GEMA on commercial phone numbers, did not transmit message due to confusion by communicators.
1015	George Bockhold relieves John Hopkins as Emergency Director. #2 Emergency Notification form approved by ED.
1015	Site Area Emergency downgraded to Alert. Diesel Generator maintaining load.
1016	Initial notification made to Burke County EMA on commercial telephone.
*1017	Alert Plant Page announcement made.
1020	OSC Activated
1022	EOF ENN communicator test ENN equipment from EOF.
1026	TSC Activated.
1030	Personnel dispatched to Met Tower to relay data.
1034	Steam generator Primary manways secured.
1035	EOF Standby Status.
1034	Message #3 started by communicator in Control Room (using BUENN)
1035	GEMA received notification message #1 from South Carolina EPD via FAX.

*Times are not confirmed

Sequence of Events
Chronology

SITE AREA EMERGENCY
3/20/90

EST

TIMELINE

- 1038 Message #2 complete to all South Carolina Agencies.
- 1040 Initial Notification completed to GEMA.
- 1042 Containment Equipment Hatch bolted.
- 1046 Met Data from MET Tower building 10 meter height, 8-9 mph; 340 degrees; Delta T = -3.0.
- 1050 Radiation monitors information received from PERMS; all normal.
- 1050 Message #2 completed to Georgia.
- 1050 Message #3 completed to all South Carolina agencies.
- 1050 Corporate Office Birmingham contacts Public Information - Atlanta with initial information.
- 1055 ED departs Control Room to TSC.
- 1056 Message #2 and #3 completed to Burke County. ED at TSC and assumes duties and responsibilities.
- 1059 Message #3 completed to Georgia.
- 1100 Briefing in TSC concerning accountability. PA announcement made for non-essential personnel to leave protected area and report to Admin Bldg parking lot.
- 1101 Containment Personnel hatch interlocks set.
- 1105 Message #4 initiated by ENN communicator in TSC using Primary ENN for both Georgia and South Carolina.
- 1112 Unit 2 in Mode 3.
- 1116 Message #4 completed to all agencies by TSC ENN communicator.

Sequence of Events
Chronology

SITE AREA EMERGENCY
3/20/90

EST

TIMELINE

1130 Unit 1B RAT has offsite power to hi-side.
1135 Message #5 initiated by ENN communicator in TSC.
1140 1BA03 energized from RAT 1B.
1140 Pressurizer manway installed.
1141 Message #5 completed by TSC communicator.
1143 All buses off of 1BA03 energized.
1159 Train B NSCW started.
1203 Train B CCW pumps started.
1205 Message #6 initiated by TSC ENN communicator.
1212 Message #6 completed by TSC ENN communicator.
1222 TSC Briefing.
1225 Public Information Manager leaves EOF and returns to
Visitor Center.
1229 TSC receives status of personnel accountability.
1231 Train B RHR pump started.
1235 Message #7 initiated by TSC ENN communicator.
1238 RHR Train B place in shutdown cooling mode.
RHR Train A placed in recirc.
1241 Message #7 completed to all agencies TSC ENN
communicator.
1257 1AA02 alternate incoming breaker closed to supply power
from RAT 1B/paralleled with D/G 1A.

Sequence of Events
Chronology

SITE AREA EMERGENCY
3/20/90

EST	TIMELINE
1305	Message #8 initiated by TSC ENN communicator.
1310	ED conference call to local agencies to discuss termination of emergency.
1313	Message #8 completed to all agencies by TSC ENN communicator.
1313	Offsite power restored - plant in normal refueling configuration.
1326	104 people unaccounted for by Security.
1347	Emergency Terminated
1350	Message #9 (Termination) initiated by TSC ENN communicator.
1356	Message #9 completed to all agencies by TSC ENN communicator.
1400	News Release concerning termination of emergency.
1430	Press Conference in Atlanta.
1545	Joint News Release to Media.
1630	Press Conference at Vogtle.

IR2 OUTAGE SCOPE

ORIGINAL SCOPE

CURRENT SCOPE

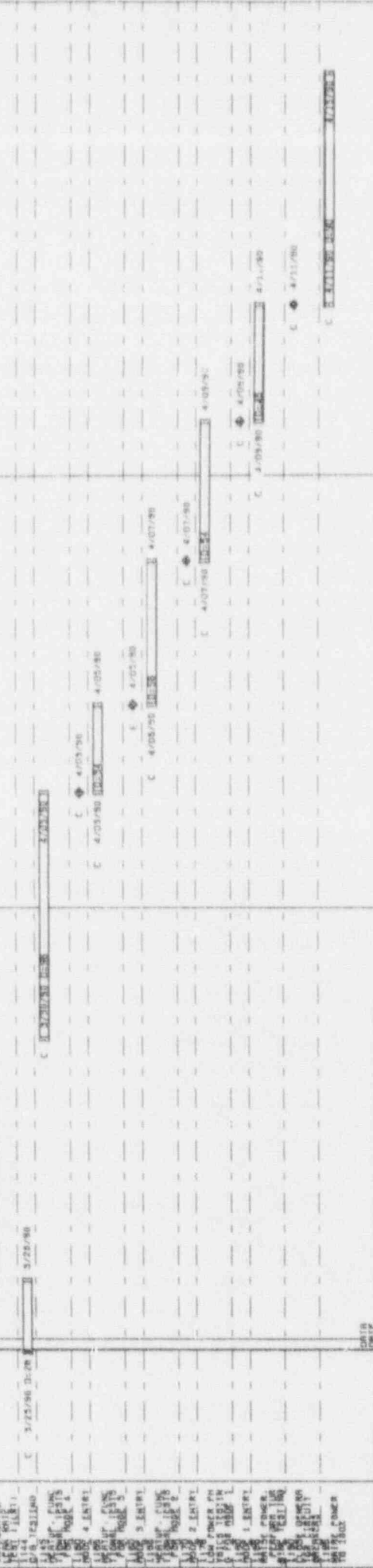
COMPLETED

<p>C.M.'S - 862 P.M.'S - 354 SURV. TST - 564</p>	<p>DCP'S - 56 LLRT'S - 63 MOVAT'S - 56</p>	<p>C.M.'S - 829 P.M.'S - 375 SURV. TST - 564</p>	<p>DCP'S - 76 LLRT'S - 63 MOVAT'S - 56</p>	<p>DCP'S - 858 P.M.'S - 296 SURV. TST - 365</p>	<p>DCP'S - 45 LLRT'S - 57 MOVAT'S - 50</p>
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PROJECT IR2
START DATE 1/31/90
FINISH DATE 4/15/90
COST CENTER 1124
SHEET 1

UNIT 1 SECOND REFUELING OUTAGE
VEHICLE UNIT 1 SECOND REFUELING OUTAGE
MODE C:IRE
SUMMARY SHEET ON 1/2 ROLL-UP SUMMARY SCHEDULE INTERVAL 1 PERIOD(S)

IR2 CRITICAL PATH
IR2 CRITICAL PATH
IR2 CRITICAL PATH



MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN
MAR 25	MAR 26	MAR 27	MAR 28	MAR 29	MAR 30	MAR 31	APR 1	APR 2	APR 3	APR 4	APR 5	APR 6	APR 7	APR 8	APR 9	APR 10	APR 11	APR 12	APR 13	APR 14

REPORTED PROBLEMS
MARKING SCHEDULE

VEHICLE UNIT 1 SECOND REFUELING OUTAGE

1A D/G

**UV TEST / WITH SEQUENCER

*LOGIC TEST - PARTIAL

*EMERGENCY START AND LEAK TEST

**UV TEST

1A SEQUENCER

**UV TEST (DGUV TEST)

**DCP FUNCTIONAL TEST

1B D/G TESTING

*LOGIC TEST - PARTIAL

*EMERGENCY START AND LEAK TEST

**UV TEST WITH SEQUENCER ON

1B SEQUENCER

*TROUBLE SHOOTING AND SEQUENCE TEST

*ACOT AND CHANNEL CALIBRATION (UV SENSOR)

**OPERABILITY TEST

**UV TEST (D/G UV TEST)

**DCP FUNCTIONAL

*NRC CONCURRENCE REQUIRED