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Dockets Nos. 50-321/366

MEMORANDUM FOR: Daniel R. Muller, Director
BWR Project Directorate #2
Division of BWR Licensing

FROM: George Rivenbark, Project Manager
BWR Project Directorate #2
Division of BWR Licensing

SUBJECT: SUMMARY OF MEETING WITH GEORGIA POWER COMPANY,
HATCH, UNITS 1 AND 2

A meeting with representatives of Georgia Power Company (GPC) (L. Gucwa and J. Heidt) and personnel from the NRC (D. Muller and G. Rivenbark) was held at the NRC's offices in Bethesda, Maryland, on January 7, 1987. GPC representatives briefed the staff on the positive programs and results that it has implemented and accomplished related to the Hatch plant principally over the past year. The charts used in this briefing are enclosed. The meeting was requested by GPC so that it could refresh the staff's memory and provide new information on positive actions taken to improve operation of Hatch prior to the staff's preparation of its "Systematic Assessment of Licensee Performance" report.

Possible schedules for the next Unit 1 refueling outage were discussed. GPC indicated that while early April appears to the current schedule, it may be decided to continue operation until June 1, 1987. The submittals requiring staff review and approval prior to restart of Unit 1 following the outage (and for which approval prior to shutdown would be desirable) were discussed. GPC indicated that only two such submittals are foreseen as certain, one on ATWS modifications and the other on its intergranular stress corrosion cracking inspection program for Unit 1.

It also suggested that it might need to request Technical Specification changes related to performing the hydro test if it's current requests related to this area are not approved by the ASME Code Committee.

Original signed by

George Rivenbark, Project Manager
BWR Project Directorate #2
Division of BWR Licensing

Enclosure:
As stated

cc w/enclosures:
See next page

DBL:PD#2
GRivenbark:cb
2/3/87

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Edwin I. Hatch Nuclear Plant,
Units Nos. 1 and 2

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PLANT HATCH PROGRAMS

1. MAJOR CORPORATE AND PLANT MANAGEMENT ORGANIZATION CHANGES

+ CORPORATE

- ADDED NEW CORPORATE ORGANIZATIONS
 - INDEPENDENT SAFETY EVALUATION GROUP
 - SECURITY
 - MAINTENANCE
- STRENGTHENED EXISTING FUNCTIONS
 - TRAINING
 - LICENSING
 - ENGINEERING AND RADIOLOGICAL SAFETY
 - EMERGENCY PLANNING
 - PERFORMANCE ANALYSIS
 - SAFETY REVIEW BOARD

+ SITE

- VICE PRESIDENT ON SITE
- PLANT MANAGER FUNCTION REDEFINED
- PLANT SUPPORT MANAGER FUNCTION CREATED
- NUCLEAR SAFETY AND COMPLIANCE ELEVATED
- PLANT TRAINING AND ONSITE EMERGENCY PREPAREDNESS ELEVATED

2. ENVIRONMENTAL QUALIFICATION

- + BEST INTEGRATED PROGRAM NRC AUDITORS HAD SEEN
- + DEDICATED ORGANIZATION
- + LIVING PROGRAM

3. FIRE PROTECTION/APPENDIX R

- + DEDICATED ORGANIZATION
- + NRC AUDIT RESULTED IN NO VIOLATIONS AND ONLY ONE IFI
- + GPC COMMENDED ON OVERALL PROGRAM
- + INTEGRATED INTO EMERGENCY OPERATING PROCEDURES
- + INCLUDED AS PART OF FSAR
- + LIVING PROGRAM

PLANT HATCH PROGRAMS (CONTINUED)

4. TECHNICAL SPECIFICATIONS

- + AGGRESSIVELY PURSUING CHANGE
- + BWROG LEAD PLANT
- + COMPREHENSIVE IN-HOUSE PROGRAM

5. APPENDIX J

- + CONTAINMENT ORGANIZATION
- + INSTIGATED FORMATION OF BWROG SUBCOMMITTEE
- + LEAD PLANT FOR DELETION OF TABLES

6. SAFETY PARAMETER DISPLAY SYSTEM

- + HARDWIRED PARAMETERS
- + ONE OF THREE BEST IN THE INDUSTRY BASED ON NRC AUDITS
- + OPERATOR TRAINING COMPLETE

7. EMERGENCY OPERATING PROCEDURES

- + ACRS AND NRR PRESENTATION RECEIVED POSITIVE NRC STAFF
FEEDBACK
- + APPENDIX R AND SAFETY PARAMETER DISPLAY INTEGRATED
- + FULLY IMPLEMENTED

8. PROCEDURE UPGRADE PROGRAM

- + PRESENT PROCEDURES EQUAL TO INDUSTRY
AVERAGE
- + FORMAT AND CONTENT BASED ON INDUSTRY REVIEW
- + APPROXIMATELY 5000 PROCEDURES INVOLVED
- + COMPREHENSIVE UPGRADE INCLUDES TECHNICAL
SPECIFICATIONS, VENDOR MANUALS, COMMITMENTS MATRIX
- + DEDICATED, HIGHLY QUALIFIED ORGANIZATION
- + LIVING DOCUMENT

9. FSAR UPDATE PROGRAM

- + ORIGINAL UPDATE COMPLETED BY GE, BECHTEL, SOUTHERN
SERVICES, INC., AND GEORGIA POWER
- + CHANGES SUBJECT TO MULTI PARTY REVIEW
- + PROPOSED CHANGES SUBJECT TO MULTI PARTY REVIEW AS PART
OF CONFIGURATION CONTROL PROGRAM

PLANT HATCH PROGRAMS (CONTINUED)

10. FITNESS FOR DUTY

- + ONE OF THE FIRST PROGRAMS IN INDUSTRY
- + COMPREHENSIVE TESTING PROGRAM
- + STRICT COMPLIANCE ENFORCED

11. MAINTENANCE

- + TRAINING FACILITIES AMONG BEST IN INDUSTRY
- + THREE SHIFT COVERAGE
- + AGGRESSIVE PROGRAMS TO IMPROVE EQUIPMENT PERFORMANCE
- LP TURBINE ROTOR REPLACEMENT
- LIVE LOAD PACKING FOR VALVES
- REPLACEMENT OF SELECTED VALVES
- ENHANCED SPARE PARTS STOCKING
- ENHANCED TRAINING AND PROCEDURES
- + RECENT NRC AND INPO AUDITS RESULTED IN NO VIOLATIONS

12. TRAINING

- + OPERATIONS TRAINING
 - SIGNIFICANT UPGRADE OF ON-SHIFT OPERATOR'S THROUGH ACCELERATED REQUALIFICATION PROGRAM.
 - PARTICIPATED IN AN NRC REQUALIFICATION PROGRAM PILOT - HATCH REQUALIFICATION PROGRAM NOW ENJOYS REPUTATION AS BEING ONE OF THE BEST IN THE INDUSTRY
 - PASS RATE ON NRC ADMINISTERED EXAMINATIONS EXEMPLARY - 20 OF 21 PASSED = 95%
 - ALL OPERATIONS TRAINING PROGRAMS ARE INPO ACCREDITED
 - HATCH SIMULATOR HAS OUTSTANDING REPUTATION FOR FIDELITY. EVALUATED AMONG BEST IN NATION BY INPO AND NRC
- + MAINTENANCE TRAINING
 - FACILITIES REPEATEDLY EVALUATED AMONG THE BEST IN INDUSTRY - EVALUATION WAS BY NRC AFTER JULY - AUGUST TEAM VISIT
- + HEALTH PHYSICS/CHEMISTRY TRAINING

PLANT HATCH PROGRAMS (CONTINUED)

- ALL PROGRAMS FULLY ACCREDITED BY INPO
- TRAINING FACILITIES DESCRIBED BY INPO AS BEING AMONG THE BEST IN THE INDUSTRY
- 96% of HP/CHEM TECHNICIANS HAVE COMPLETED THE ACADEMIC PHASE OF THE TRAINING PROGRAMS
- THERE HAVE BEEN NO NRC, INPO, or QA FINDINGS

13. SECURITY

- + INTEGRATED INTO CORPORATE ORGANIZATION
- + STAFFING STRENGTHENED
- + ESTABLISHED SECURITY SPECIALTY GROUPS
- + UPGRADED SEVERAL SYSTEMS
- PERIMETER ALARM
- SECURITY COMPUTER SYSTEM
- + ON SITE REGULATORY EFFECTIVENESS REVIEW TEAM EVALUATION COMPLETED WITH POSITIVE RESULTS

14. QUALITY ASSURANCE

- + QUALITY CONCERNS PROGRAM AT VOGTLE RECOGNIZED AS ONE OF BEST IN COUNTRY. SAME PROGRAM EXISTS FOR HATCH
- + ONE OF LARGEST MOST THOROUGH STAFFS IN COUNTRY

15. INTERGRANULAR STRESS CORROSION CRACKING

- + UNIT 2 PIPING REPLACEMENT
- + UNIT 1 FULL INSPECTION/MITIGATION
- + HYDROGEN WATER CHEMISTRY BEING IMPLEMENTED

16. NSSS VENDOR INVOLVEMENT

- + COMMITMENT TO VENDOR INVOLVEMENT FOR ORIGINAL SCOPE OF SUPPLY
- + RESIDENT GE AND WESTINGHOUSE ENGINEERS IN LICENSING CONFIGURATION CONTROL PROGRAM AT VENDORS HEADQUARTERS
- + INDEPENDENT DESIGN REVIEW AND SAFETY EVALUATIONS
- + TIED INTO GE OPERATIONS ENGINEERS NETWORK

PLANT HATCH PROGRAMS (CONTINUED)

17. CONTRACTOR REDUCTION

- + KEEP WITH ORIGINAL DESIGNERS/CONSTRUCTORS
- + MORE DIRECT GPC INVOLVEMENT
- + STAFF WITH HIGHLY QUALIFIED INDIVIDUALS

18. ENGINEERING STRENGTH

- + OVER 500 ENGINEERS ASSIGNED TO HATCH
- + AVERAGE EXPERIENCE INCREASING
- + REPLACEMENT CRITERIA EXTREMELY STRINGENT

- QUALIFICATIONS
- SCREENING

19. INDUSTRIAL SAFETY

- + OVER 8 MILLION MANHOURS WITHOUT LOST TIME ACCIDENT
- + BEST RECORD IN US FOR ALL INDUSTRIES
- + INDICATIVE OF ATTENTION PAID TO SAFETY AND DETAIL

20. EMERGENCY PLANNING

- + EXCELLENT FACILITIES IN EXISTENCE, IMPROVED FACILITIES BEING IMPLEMENTED
- + DEDICATED, HIGHLY QUALIFIED STAFF FOR EMERGENCY PREPAREDNESS
- + ONGOING TRAINING
- + DESIRE BY STATE AND LOCAL AGENCIES TO BE INVOLVED
- + HIGH MARKS FOR DRILLS

21. RADIOLOGICAL SAFETY AND PLANNING

- + STRICT CONTROLS
- + ADVANCE WORK PLANNING
- + LOW EXPOSURE, ESPECIALLY CONSIDERING MAJOR OUTAGE WORK

- PIPE REPLACEMENT UNIT 2
- FULL INSPECTION/MITIGATION UNIT 1

- + 25-30% REDUCTION IN RADWASTE
- + IN-HOUSE ENVIRONMENTAL/TLD MONITORING

PLANT HATCH PROGRAMS (CONTINUED)

22. REWIND PROGRAM FOR CLASS IE MOTORS

- + MEETS ALL REGULATORY REQUIREMENTS
 - SEISMIC
 - ENVIRONMENTAL
- + BEING USED BY OTHER UTILITIES
- + INTEREST EXPRESSED BY OTHER UTILITIES

23. REPORTING

- + QUANTITY AND DETAIL OF PROCEDURES INCREASES NUMBERS
- + TECHNICAL SPECIFICATIONS LEVEL OF DETAIL INCREASES REPORTS
- + LOW THRESHOLD FOR REPORTING

24. NONCONFORMANCES

- + MINIMAL NUMBER OF SUBSTANTIAL NONCONFORMANCES LAST YEAR
- + MOST NONCONFORMANCES DUE TO LEVEL OF DETAIL
 - QUANTITY AND LEVEL OF DETAIL OF PROCEDURES
 - LEVEL OF DETAIL OF TECHNICAL SPECIFICATIONS
- + MAJOR FOCUS ON MINOR ITEMS DUE TO DILIGENT GPC QUALITY ASSURANCE