

ENCLOSURE 1

NOTICE OF VIOLATION

Georgia Power Company  
Hatch Unit 2

Docket No. 50-366  
License No. NPF-5  
EA 92-149

During the NRC inspection conducted on July 5 - August 15, 1992, violations of NRC requirements were identified. In accordance with the "General Statement of Policy and Procedures for NRC Enforcement Actions," 10 CFR Part 2, Appendix C, the violations are listed below:

- A. Technical Specification (TS) 3.8.2.3 requires that Division I and Division II of the D. C. power system shall be operable. Division I consists of the 2A 125/250V battery and at least two full capacity chargers. With one of the required divisions of DC power inoperable, restore the inoperable division to operable status within 2 hours or be in at least hot shutdown within the next 12 hours and in cold shutdown within the following 24 hours.

TS 4.8.2.3.2 contains specific operability criteria for the batteries and the chargers.

Contrary to the above, during the period of July 12 - July 16, 1992, the 2B and 2C battery chargers were not operable at full capacity for a period of at least 18 hours.

This is a Severity Level IV violation. (Supplement 1)

- B. Technical Specification (TS) 6.7.1a requires that written procedures be established, implemented, and maintained covering activities delineated in Appendix A of Regulatory Guide (RG) 1.33, Revision 2, February 1978.

RG 1.33, Appendix A, "Typical Procedures for Pressurized Water Reactors and Boiling Water Reactors," paragraph 1h provides, in part, that the licensee establish and follow written administrative procedures for log entries, record retention and review procedures.

Procedure 34G0-OPS-030-1S, Duty Inside Rounds, step 7.1.19 requires that any check or inspection which is not within limits must be reported to the Plant Operator when discovered and circled in red ink by the Plant Equipment Operator discovering the condition.

Contrary to the above, on July 12, 1992, an out of limits voltage indication on the 2B station service battery charger was not reported to the Plant Operator nor circled in red ink by the Plant Equipment Operator.

This is a Severity Level IV violation. (Supplement 1)

Pursuant to the provisions of 10 CFR 2.201, Georgia Power Company is hereby required to submit a written statement or explanation to the U. S. Nuclear

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Regulatory Commission, ATTN: Document Control Desk, Washington, D. C. 20555, with a copy to the Regional Administrator, Region II, and a copy to the NRC Resident Inspector, Hatch, within 30 days of the date of the letter transmitting this Notice of Violation (Notice). This reply should be clearly marked as a "Reply to a Notice of Violation" and should include for each violation: (1) the reason for the violation, or, if contested, the basis for disputing the violation, (2) the corrective steps that have been taken and the results achieved, (3) the corrective steps that will be taken to avoid further violations, and (4) the date when full compliance will be achieved. If an adequate reply is not received within the time specified in this Notice, an order or demand for information may be issued as to why the license should not be modified, suspended, or revoked, or why such other action as may be proper should not be taken. Where good cause is shown, consideration will be given to extending the response time.

Dated at Atlanta, Georgia  
this 11th day of September, 1992

ENCLOSURE 2

ENFORCEMENT CONFERENCE SUMMARY

On September 8, 1992, representatives from Georgia Power Company (GPC) met with the NRC in the Region II office in Atlanta, Georgia, to discuss the circumstances surrounding the failure of licensee personnel to identify and take appropriate corrective actions associated with the failure of two battery chargers on July 12, 1992.

Opening remarks were given by Mr. Stewart Ebnetter, Regional Administrator, Region II.

GPC gave a presentation (Enclosure 3) on the issues. Mr. J. T. Beckham, Jr., Vice President, Hatch Project, provided opening remarks and introduced the presentation. The presentation was given by Mr. L. Sumner, General Manager, Hatch.

A list of attendees at the conference is contained in Enclosure 4.

Upon conclusion of the presentation a question and answer period was conducted. Following this, the NRC closed the meeting.

ENFORCEMENT CONFERENCE  
SEPTEMBER 8, 1992

UNIT TWO STATION SERVICE BATTERIES

AGENDA

- |      |   |              |
|------|---|--------------|
| I.   | INTRODUCTION                                | TOM BECKHAM  |
| II.  | PLANT HATCH DC SYSTEM<br>OVERVIEW           | STEVE BETHAY |
| III. | SEQUENCE OF EVENTS                          | LEWIS SUMNER |
| IV.  | EVENT SUMMARY                               | LEWIS SUMNER |
| V.   | SAFETY SIGNIFICANCE                         | LEWIS SUMNER |
| VI.  | MANAGEMENT CONCERNS &<br>CORRECTIVE ACTIONS | LEWIS SUMNER |
| VII. | CONCLUSIONS                                 | LEWIS SUMNER |

ENFORCEMENT CONFERENCE  
UNIT TWO STATION SERVICE BATTERIES

PLANT HATCH DC SYSTEM OVERVIEW

- I. 125-250 VDC STATION SERVICE BATTERY SYSTEM
- TWO INDEPENDENT BATTERIES (2A & 2B)
  - CONTINUOUS DISCHARGE RATING: 1650 AH & 2400 AH  
RESPECTIVELY
  - SIX STATIC-TYPE CHARGERS (2A THROUGH 2F)  
THREE CHARGERS PER BATTERY
  - MAJOR 125V LOADS -- 2A BATTERY  
ADS LOGIC, ESF DIV. I CONTROL LOGIC,  
BOP LOADS, EMERGENCY LIGHTING
  - MAJOR 250V LOADS -- 2A BATTERY  
'A' LOOP RECIRC PUMP SUCTION AND  
DISCHARGE VALVES  
'A' LOOP RHR MINIMUM FLOW VALVE  
'A' LOOP LPCI INBOARD INJECTION VALVE  
RCIC DC MOV's
  - MAJOR 125V LOADS -- 2B BATTERY  
ADS LOGIC, ESF DIV. II CONTROL LOGIC, BOP LOADS
  - MAJOR 250V LOADS -- 2B BATTERY  
'B' LOOP RECIRC PUMP SUCTION AND  
DISCHARGE VALVES  
'B' LOOP RHR MINIMUM FLOW VALVE  
'B' LOOP LPCI INBOARD INJECTION VALVE  
HPCI DC MOV's



ENFORCEMENT CONFERENCE  
UNIT TWO STATION SERVICE BATTERIES

PLANT HATCH DC SYSTEM OVERVIEW

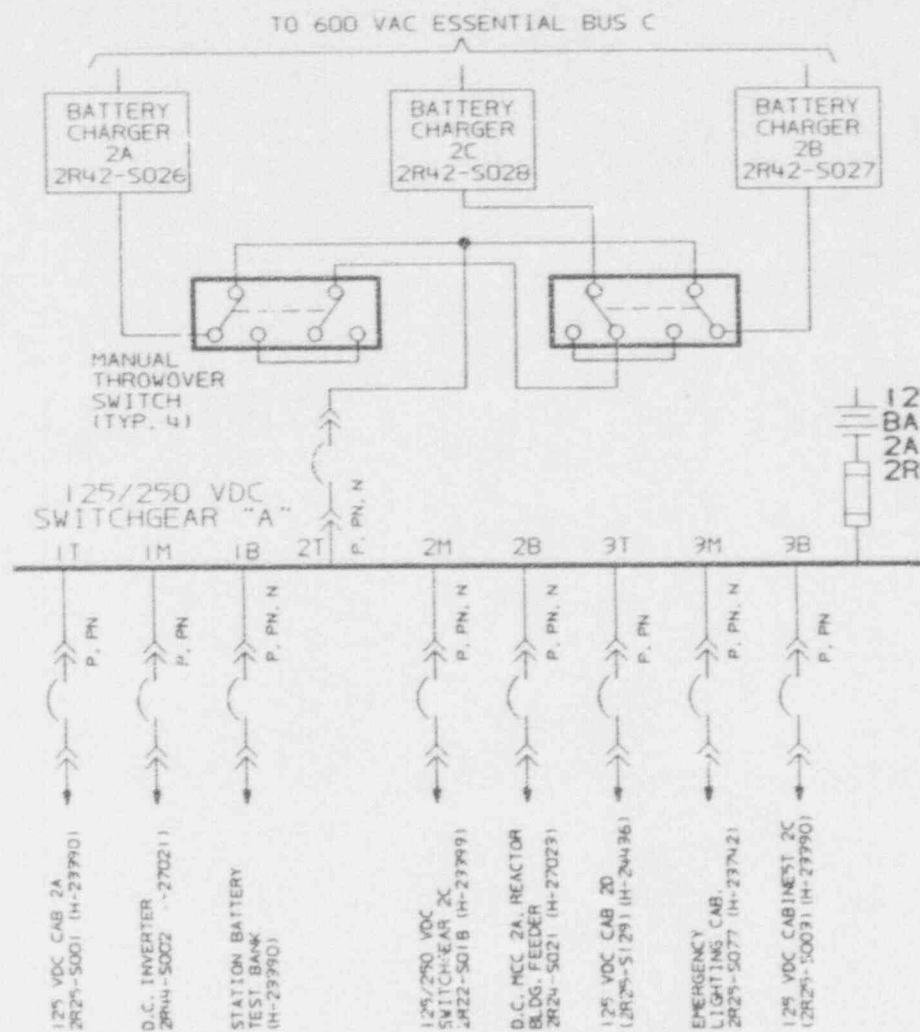
CONTINUED

II. 125 VDC DIESEL GENERATOR BATTERIES

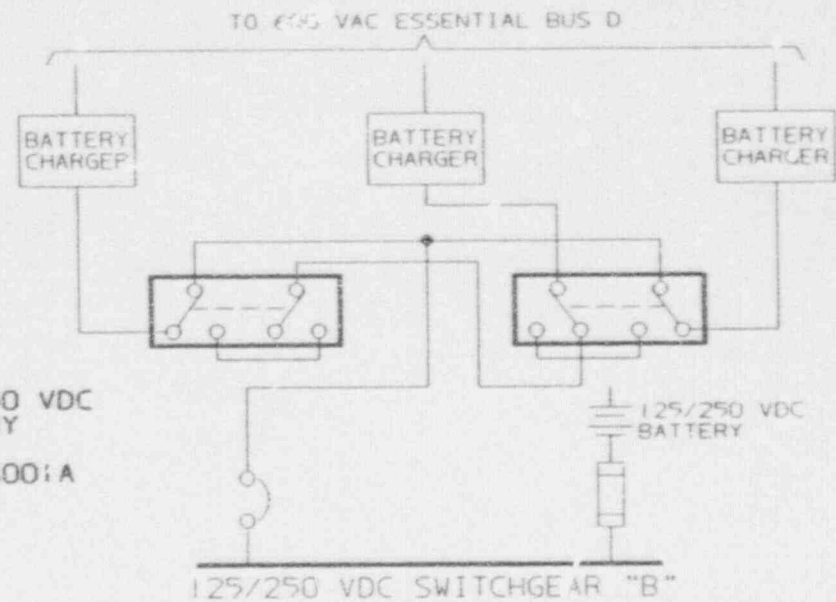
- THREE INDEPENDENT BATTERIES, ONE PER DIESEL  
(2A, 2C, 1B)
- CONTINUOUS DISCHARGE RATING:  
2A & 2C -- 340 AH  
1B -- 240 AH
- THREE BATTERY CHARGERS, ONE PER SET
- MAJOR LOADS: DIESEL START CONTROLS  
4160V ESSENTIAL SWITCHGEAR CONTROL

III. OTHER DC SYSTEMS

- 24-48 VDC POWER SYSTEM - NEUTRON MONITORING  
SYSTEM
- 125 VDC COOLING TOWER BATTERIES



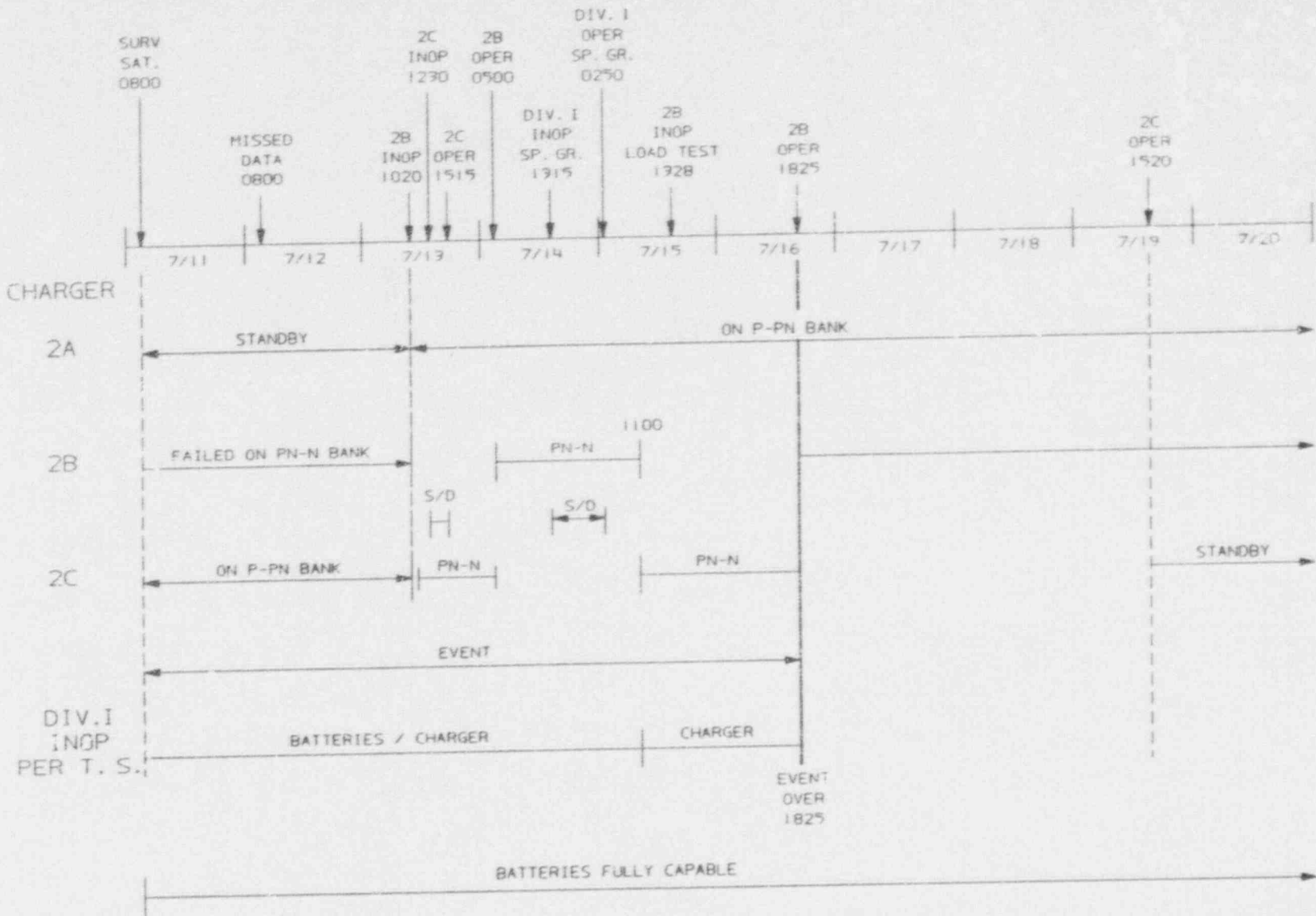
ESSENTIAL DIVISION 1



- 125/250 VDC REACTOR BLD 5 MCC (1E)
- LPCI INVERTER (1E)
- EMERGENCY LIGHTS (1E)
- 125 VDC PANELS (1E)
- EMERGENCY OIL PUMPS (NON-1E)

ESSENTIAL DIVISION 2

**HNP UNIT 2 STATION SERVICE 125/250 VDC POWER SYSTEM**  
H-23990



UNIT 2 STATION SERVICE BATTERIES  
 SEQUENCE OF EVENTS  
 7/11/92 THROUGH 7/19/92

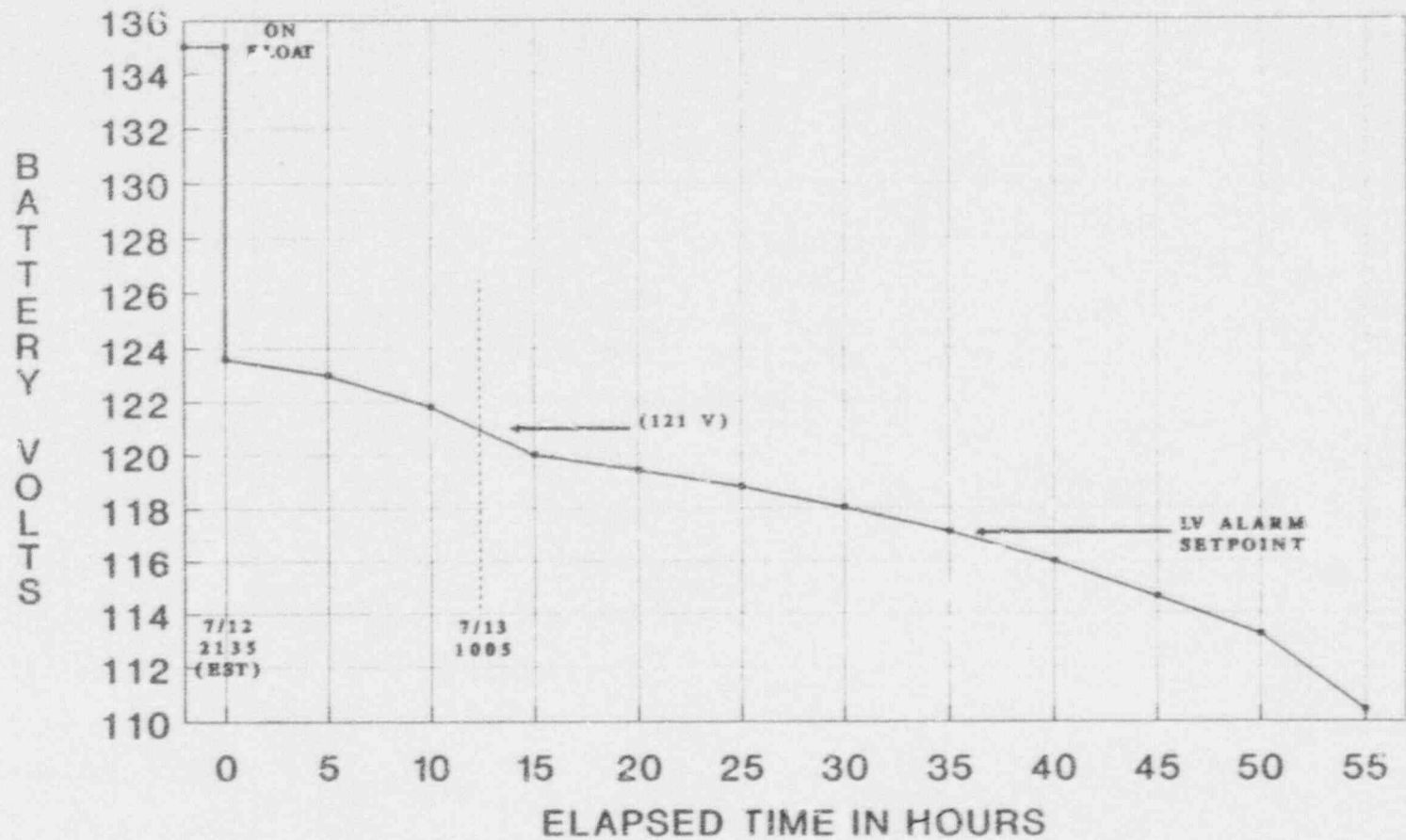


ENFORCEMENT CONFERENCE  
UNIT TWO STATION SERVICE BATTERIES

SAFETY SIGNIFICANCE

UNIT 2, DIVISION I STATION SERVICE  
BATTERIES WERE FULLY CAPABLE OF  
CARRYING DESIGN BASIS ACCIDENT LOADS  
THROUGHOUT THE EVENT.

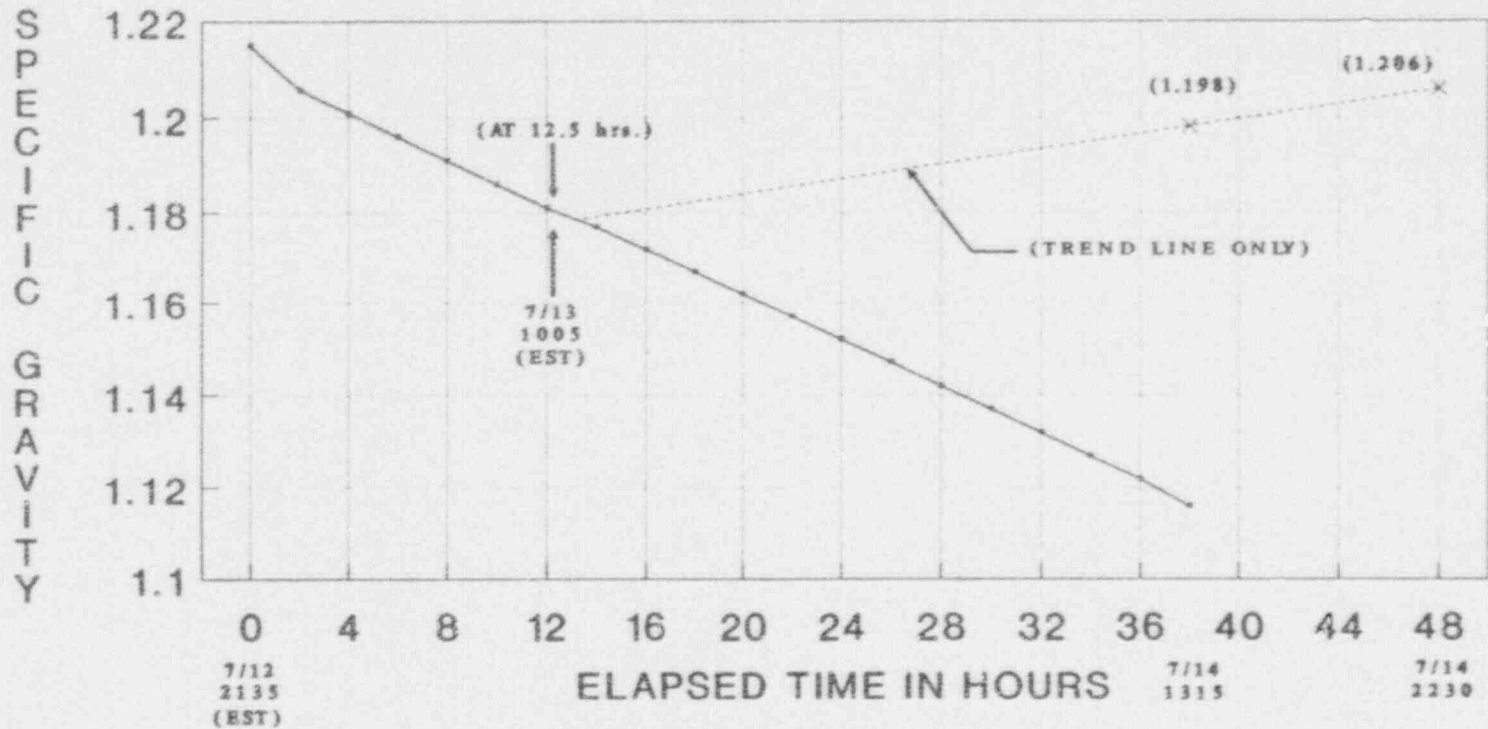
CALCULATED VOLTAGE PROFILE  
SS BATT 2A (PN-N) ON 40A DISCHARGE  
101% CAP, 98°F TEMP, NO DSN MGN



# PROJECTED SPECIFIC GRAVITY PROFILE

## SS BATT 2A (PN-N) ON 40A DISCHARGE

### 101% CAP, 98°F TEMP, NO DSN MGN



CALCULATED SG
  MEASURED SG

ENFORCEMENT CONFERENCE  
UNIT TWO STATION SERVICE BATTERIES

TECHNICAL EVALUATION SUMMARY  
CONTINUED

- EVALUATION SHOWS THAT BATTERY 2A COULD HAVE SUPPLIED IT'S DESIGN BASIS LOADS AT AN ACCEPTABLE VOLTAGE LEVEL AFTER THE PN-N BANK HAD BEEN DISCHARGED FOR 12.5 HOURS.
- CHARGE / DISCHARGE EVALUATION FOR 7/13 1020 CDT TO 7/16 1825 CDT PERIOD CONFIRMED ADEQUATE CAPABILITY DURING CHARGER SWITCHING.

CONCLUSION: PN-N BANK CAPABILITY WAS ADEQUATE DURING EVENT.

OVERALL CONCLUSION:

BATTERY 2A FULLY CAPABLE OF SUPPLYING DESIGN BASIS LOADS DURING THE EVENT.

ENFORCEMENT CONFERENCE  
UNIT TWO STATION SERVICE BATTERIES

TECHNICAL EVALUATION SUMMARY  
CONTINUED

II. PN-N BANK

- AT 101 % CAPACITY ON LAST PERFORMANCE TEST.
- CONTINUOUS HOUSE LOAD = 40 AMPS.
- TOOK LESS THAN 500 AMP-HOURS TO RECHARGE.
- SPECIFIC GRAVITY DATA PROFILE SUPPORTS 12-14 HOUR DISCHARGE.
- LOWEST VOLTAGE READING OF 11.1 VDC AT 1005 ON 7/13, CORRESPONDS TO 12.5 HOURS AT 40 AMP DISCHARGE ON VOLTAGE PROFILE.
- CHARGING CURRENT INTO BATTERY AT 1315 ON 7/14 DOWN TO 2.16 AMPS ON FLOAT INDICATES BANK NEARING FULL CHARGE.

CONCLUSION: PN-N BANK EXPERIENCED 12.5 HOUR DISCHARGE (500/40) CARRYING HOUSE LOADS.



ENFORCEMENT CONFERENCE  
UNIT TWO STATION SERVICE BATTERIES

TECHNICAL EVALUATION SUMMARY

I. P-PN BANK

- AT 112 % CAPACITY ON LAST PERFORMANCE TEST.
- BANK FULLY-CHARGED AND OPERABLE CHARGER ON LINE DURING EVENT.

CONCLUSION: P-PN BANK FULLY CAPABLE  
DURING EVENT.

ENFORCEMENT CONFERENCE  
UNIT TWO STATION SERVICE BATTERIES  
MANAGEMENT ISSUES AND CORRECTIVE ACTIONS

- I. PLANT EQUIPMENT OPERATOR PERFORMANCE
- II. OPERATIONS SUPERVISION PERFORMANCE
- III. FUNCTIONAL TESTING ASSIGNMENT
- IV. PARAMETER INTERDEPENDENCE EVALUATION
- V. DESIGN/TECHNICAL ISSUES

ENFORCEMENT CONFERENCE  
UNIT TWO STATION SERVICE BATTERIES  
MANAGEMENT ISSUES AND CORRECTIVE ACTIONS  
CONTINUED

PLANT EQUIPMENT OPERATOR PERFORMANCE

I. CORRECTIVE ACTIONS

- RESPONSIBLE PEO SUBJECTED TO FORMAL DISCIPLINARY ACTION.
- EACH OPERATING TEAM RECEIVED TRAINING ON THIS EVENT WITH EMPHASIS ON IMPORTANCE OF ACCURATE ROUNDS DATA COLLECTION, COMPARISON TO LIMITS AND DATA REVIEW.
- OPERATIONS MANAGEMENT DISCUSSED THE IMPORTANCE OF ACCURATE DATA COLLECTION WITH EACH OPERATING TEAM.
- THE OPERATIONS DEPARTMENT MANAGER SENT A LETTER TO OPERATIONS PERSONNEL GIVING MANAGEMENT EXPECTATIONS FOR PLANT DATA COLLECTION AND REVIEW.

ENFORCEMENT CONFERENCE  
UNIT TWO STATION SERVICE BATTERIES  
MANAGEMENT ISSUES AND CORRECTIVE ACTIONS  
CONTINUED

OPERATIONS SUPERVISION PERFORMANCE

I. CORRECTIVE ACTIONS

- BOTH THE RESPONSIBLE PLANT OPERATOR AND SHIFT SUPERVISOR HAVE BEEN COUNSELED BY OPERATIONS DEPARTMENT MANAGEMENT REGARDING THEIR FAILURE TO MEET PERFORMANCE EXPECTATIONS.

ENFORCEMENT CONFERENCE  
UNIT TWO STATION SERVICE BATTERIES  
MANAGEMENT ISSUES AND CORRECTIVE ACTIONS  
CONTINUED

FUNCTIONAL TESTING

I. CORRECTIVE ACTIONS

- THE NEED TO MAINTAIN A QUESTIONING ATTITUDE AND TO SEEK TECHNICAL ASSISTANCE WHEN NECESSARY HAS BEEN COMMUNICATED IN WRITING TO PERSONNEL RESPONSIBLE FOR FT ASSIGNMENT.
- THE FUNCTIONAL TEST ASSIGNMENT MATRIX HAS BEEN REVISED TO SPECIFICALLY ADDRESS BATTERY CHARGERS.



ENFORCEMENT CONFERENCE  
UNIT TWO STATION SERVICE BATTERIES  
MANAGEMENT ISSUES AND CORRECTIVE ACTIONS  
CONTINUED

PARAMETER INTERDEPENDENCE EVALUATION

I. CORRECTIVE ACTIONS

- OPERATOR TRAINING WILL BE ENHANCED TO INCLUDE A DISCUSSION ON THE RELATIONSHIPS AMONG THE VARIOUS BATTERY PERFORMANCE INDICATORS.

ENFORCEMENT CONFERENCE  
UNIT TWO STATION SERVICE BATTERIES  
MANAGEMENT ISSUES AND CORRECTIVE ACTIONS  
CONTINUED

DESIGN/TECHNICAL ISSUES

I. BATTERY VOLTAGE ALARM SETPOINT

- THE LOW VOLTAGE ALARM SETPOINT HAS BEEN RAISED ON ALL STATION SERVICE AND DIESEL GENERATOR BATTERY SETS. THE NEW ALARM SETPOINT IS 123.6 VDC.

II. ROUNDS PROCEDURE ACCEPTANCE CRITERIA

- THE DAILY INSIDE ROUNDS PROCEDURE HAS BEEN REVISED TO REFLECT THE CORRECT CHARGER OUTPUT CURRENT ACCEPTANCE CRITERIA.
- PROCEDURES HAVE BEEN REVISED TO REQUIRE MORE FREQUENT OBSERVATION OF BATTERY CHARGERS.

III. BATTERY CHARGER AGING

- THE UNIT TWO STATION SERVICE BATTERY CHARGERS WILL BE REPLACED DURING THE FALL 1992 REFUELING OUTAGE.

ENFORCEMENT CONFERENCE  
UNIT TWO STATION SERVICE BATTERIES

CONCLUSIONS

- I. SEVERAL EXAMPLES OF LESS THAN ACCEPTABLE PERSONNEL PERFORMANCE DURING THE WEEK OF 7/12/92.  
ALARM SETPOINTS DID NOT AID PREVENTING THIS EVENT .
- II. THE OVERALL SAFETY SIGNIFICANCE OF THIS EVENT WAS VERY LOW. THE 2A STATION SERVICE BATTERIES COULD HAVE PERFORMED THEIR INTENDED POST ACCIDENT FUNCTION AT ALL TIMES DURING THE WEEK OF 7/12/92.
- III. GPC PERSONNEL IDENTIFIED THE SIGNIFICANT ASPECTS OF THIS EVENT.
- IV. GPC REPORTED THE EVENT AS REQUIRED.
- V. GPC TOOK THE INITIATIVE TO REQUEST A MEETING TO DISCUSS THIS EVENT WITH NRC STAFF WHEN IT BECAME APPARENT THAT SEVERAL ERRORS HAD OCCURRED.
- VI. GPC HAS TAKEN COMPREHENSIVE, TIMELY CORRECTIVE ACTION.
- VII. GPC HAS A GOOD HISTORY OF PAST PERFORMANCE.

ENCLOSURE 4

U. S. NUCLEAR REGULATORY COMMISSION

- S. Ebnetter, Regional Administrator, Region II (RII)
- E. Merschoff, Director, Division of Reactor Projects (DRP), RII
- G. Lainas, Assistant Director for Region II Reactors, Office of Nuclear Reactor Regulation (NRR)
- A. Rebert, Chief, Reactor Projects Branch 3, DRP, RII
- B. [unclear], Senior Enforcement Coordinator, RII
- P. Skinner, Chief, Reactor Projects Branch 3B, DRP, RII
- W. Troskoski, Office of Enforcement
- L. Wert, Senior Resident Inspector, Hatch, DRP, RII
- D. Hood, Licensing Project Manager, NRR
- C. Julian, Division of Reactor Safety (DRS), Chief, Engineering Branch, RII
- C. Evans, Regional Counsel, RII
- G. Jenkins, Director, Enforcement and Investigation Coordination Staff, RII
- J. Johnson, Deputy Director, DRP, RII
- D. Seymour, Project Engineer, DRP, RII
- B. Mallett, Deputy Director, Division of Radiation Safety and Safeguards, RII
- K. Jabbour, Senior Project Manager, Project Directorate II-3, NRR
- S. Saba, Electrical Systems Branch, NRR

GEORGIA POWER COMPANY

- R. McDonald, Executive Vice President, Nuclear Operations
- W. Hairston, III, Senior Vice President, Nuclear Operations
- J. Beckham, Jr., Vice President, Hatch Project
- H. Sumner, General Manager, Hatch
- S. Bethay, Manager, Licensing
- J. Heidt, Manager Engineering and Licensing
- T. Anderson, Engineering Group Manager - Electrical
- S. Tipps, Manager Nuclear Safety and Compliance, Hatch