



UNITED STATES
 NUCLEAR REGULATORY COMMISSION
 REGION II
 101 MARIETTA ST., N.W., SUITE 3100
 ATLANTA, GEORGIA 30303

Report Nos. 50-321/82-28 and 50-366/82-26

Licensee: Georgia Power Company
 P.O. Box 4545
 Atlanta, GA 30302

Facility Name: Hatch 1 and 2

Docket Nos. 50-321 and 50-366

License Nos. DPR-57 and NPF-5

Inspection at Hatch site near Baxley, Georgia

Inspectors: John F. Rogers, for 9/10/82
 R. F. Rogers Date Signed

John F. Rogers, for 9/10/82
 P. Holmes-Ray Date Signed

Approved by: V. L. Brownlee 9/10/82
 V. L. Brownlee, Section Chief, Division of Date Signed
 Project and Resident Programs

SUMMARY

Inspection on July 27 - August 27, 1982

Areas Inspected

This inspection involved 94 inspector-hours on site in the areas of Technical Specification compliance, operator performance, overall plant operations, quality assurance practices, station and corporate management practices, corrective and preventive maintenance activities, site security procedures, radiation control activities, and surveillance activities.

Results

Of the 9 areas inspected, no violations or deviations were identified.

DETAILS

1. Persons Contacted

Licensee Employees

- *H. C. Nix, Plant Manager
- *T. Greene, Assistant Plant Manager
- *C. T. Jones, Assistant Plant Manager
- *S. Baxley, Superintendent of Operations
- *C. Belflower, QA Site Supervisor

Other licensee employees contacted included technicians, operators, mechanics, security force members and office personnel.

*Attended site exit interviews

2. Exit Interview

The inspection scope and findings were summarized on August 13 and 19, 1982, with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Plant Tours (Units 1 and 2)

The inspector conducted plant tours periodically during the inspection interval to verify that monitoring equipment was recording as required, equipment was properly tagged, operations personnel were aware of plant conditions, and plant housekeeping efforts were adequate. The inspector also determined that appropriate radiation controls were properly established, critical clean areas were being controlled in accordance with procedures, excess equipment or material is stored properly and combustible material and debris were disposed of expeditiously. During tours the inspector looked for the existence of unusual fluid leaks, piping vibrations, pipe hanger and seismic restraint settings, various valve and breaker positions, equipment caution and danger tags, component positions, adequacy of fire fighting equipment, and instrument calibration dates. Some tours were conducted on backshifts.

Within the areas inspected, no violations or deviations were identified.

6. Plant Operations Review (Units 1 and 2)

The inspector periodically during the inspection interval reviewed shift logs and operations records, including data sheets, instrument traces, and records of equipment malfunctions. This review included control room logs and auxiliary logs, operating orders, standing orders, jumper logs and equipment tagout records. The inspector routinely observed operator alertness and demeanor during plant tours. During normal events, operator performance and response actions were observed and evaluated. The inspector conducted random off-hours inspection during the reporting interval to assure that operations and security remained at an acceptable level. Shift turnovers were observed to verify that they were conducted in accordance with approved licensee procedures.

Within the areas inspected, no violations or deviations were identified.

7. Technical Specification Compliance (Units 1 and 2)

During this reporting interval, the inspector verified compliance with selected limiting conditions for operations (LCO's) and results of selected surveillance tests. These verifications were accomplished by direct observation of monitoring instrumentation, valve positions, switch positions, and review of completed logs and records. The licensee's compliance with selected LCO action statements were reviewed on selected occurrences as they happened.

Within the areas inspected, no violations or deviations were identified.

8. Physical Protection (Units 1 and 2)

The inspector verified by observation and interviews during the reporting interval that measures taken to assure the physical protection of the facility met current requirements. Areas inspected included the organization of the security force, the establishment and maintenance of gates, doors and isolation zones in the proper condition, that access control and badging was proper, and procedures were followed.

Within the areas inspected, no violations or deviations were identified.

9. 2C Diesel Generator Failure (Unit 2)

On July 27, 1982 while performing required surveillance on 2C diesel generator (D/G), the diesel was manually tripped when metallic noises indicated potential bearing failure. It was determined on inspection that the #8 rod bearings on the upper crankshaft had failed completely (disintegrated). Other bearings on the upper crankshaft were deeply scored.

Both plants were operating at 100% power at the time of the failure and Unit 2 operation was allowed by technical specifications to continue for three days with one diesel inoperative. Attempts by the licensee to extend the three day interval could not be technically justified and the unit was

shutdown until the D/G could be repaired. On August 4, 1982, during a thirty hour run-in test following bearing replacements on the upper crankshaft, 2C D/G failed again. Investigations revealed that the main and rod bearings on #11 upper cylinder had failed. The diesel was again repaired and successfully tested. Bearings on the #11 cylinder on this D/G had previously failed in a similar manner on November 11, 1980 and December 16, 1981 due to rod cap bolt problems. On August 9, 1982, visual inspection on 2A D/G bearings for similar problems resulted in the replacement of #4 and 5 main upper crank bearings on that diesel.

Due to persistent upper crankshaft problems, the licensee has increased the pre-lube time from 2 minutes to 4 minutes for surveillance testing, upon recommendation of the vendor (Fairbanks - Morse).