DCS

16 SEP 1987

Docket Nos. 50-277
50-278

MEMORANDUM FOR: William F. Kane, Director, Division of Reactor Projects

FROM: J. C. Linville, Chief, Reactor Projects Section 2A

SUBJECT: PEACH BOTTOM ATOMIC POWER STATION STATUS REPORT FOR THE PERIOD August 27 - September 10, 1987

Enclosed is the Peach Bottom periodic status report from the NRC Resident Office at Peach Bottom. Three NRC resident inspectors monitored activities at the plant during the report period.

These status reports are intended to provide NRC management and the public with an overview of plant activities and NRC inspection activities. Subsequent inspection reports will address many of these topics in more detail.

Original Signed By:

James C. Linville, Chief
Reactor Projects Section 2A

Enclosure: As stated

IE 28 1/1

OFFICIAL RECORD COPY 9/10 SCHOLL PB - 0001.0.0
09/14/87

16 SEP 1987

cc w/encl:
Dickinson M. Smith, Manager, Peach Bottom Atomic Power Station
John S. Kemper, Senior Vice President, Engineering and Production
Thomas S. Shaw, Jr., Vice President, Production
Troy B. Conner, Jr., Esquire
W. H. Hirst, Director, Joint Generation Projects Department,
Atlantic Electric
G. Leitch, Nuclear Generation Manager
Eugene J. Bradley, Esquire, Assistant General Counsel (Without Report)
Raymond L. Hovis, Esquire
Thomas Magette, Power Plant Siting, Nuclear Evaluations
W. M. Alden, Engineer in Charge, Licensing Section
Doris Poulsen, Secretary of Harford County Council
Public Document Room (PDR)
Local Public Document Room (LPDR)
Nuclear Safety Information Center (NSIC)
NRC Resident Inspector
Commonwealth of Pennsylvania

bcc w/encls:
Region I Docket Room (with concurrences)
J. Taylor, EDO
T. Murley, NRR
R. Starostecki, NRR
F. Miraglia, NRR
S. Varga, NRR
B. Boyer, NRR
W. Butler, NRR
R. Martin, NRR
W. Russell, RI
W. Johnston, RI
T. Martin, RI
S. Collins, RI
R. Gallo, RI
K. Abraham, RI
M. Miller, RI
J. Williams, RI
L. Scholl, RI

RI:DRP	RI:DRP	RI:DRP
Scholl/rhl	Linville	Wetzinger
9/14/87	9/15/87	9/16/87

OFFICIAL RECORD COPY 9/10 SCHOLL PB - 0002.0.0
09/11/87

ENCLOSURE

PEACH BOTTOM ATOMIC POWER STATION STATUS REPORT FOR THE PERIOD
AUGUST 27 - September 10, 1987

1.0 Plant Status

As of 8:00 a.m., on September 10, 1987, Unit 2 and 3 are in cold shutdown per the March 31, 1987, NRC Order with coolant temperatures at approximately 150 degrees Fahrenheit.

2.0 Facility Operations Summary

Unit 2 is completing a refueling outage which began March 13, 1987. Final work is being performed to support the reactor pressure vessel hydrostatic test. Unit 3 has been in a cold shutdown condition per the March 31, 1987, NRC Order since April 1, 1987. Preparations are in progress for the Unit 3 recirculation system pipe replacement outage scheduled to begin in October.

3.0 Items of Special Interest

3.1 A meeting was held with the licensee on September 9 to discuss the recirculation pipe replacement plans for Unit 3.

3.2 On September 14 NRC staff members from Region I and the Office of Nuclear Reactor Regulation (NRR) and Philadelphia Electric Company management will brief the NRC commissioners on the current status of Peach Bottom activities.

3.3 On September 14 the Institute for Nuclear Power Operations (INPO) will commence a two week visit to perform its periodic operational assessment.

3.4 Philadelphia Electric Company has selected 6 shift managers for Peach Bottom. The plant manager informed the NRC of the individuals selected on August 31. The shift manager concept places an engineer who holds a senior reactor operator license on shift in charge of plant activites. This is part of the Peach Bottom recovery/restart plan ('Commitment to Excellence Action Plan').

4.0 Other Items of Interest

4.1 The Unit 2 shutdown cooling system isolated on August 28, while applying a blocking permit to isolate components for maintenance. The unit was in the cold shutdown mode with coolant temperature about 160 degrees F. The system block called for pulling a fuse which de-energized the 75 psig isolation signal resulting in the closure of two isolation valves and a trip of the Residual Heat Removal (RHR) pump. The licensee replaced the fuse and restored shutdown cooling a few minutes after the isolation. The cause of the isolation was the application of a blocking permit which was not compatible with the existing plant conditions.

4.2 On August 29, the control room received an alarm indicating that the Unit 3 High Pressure Coolant Injection (HPCI) inverter had a power failure. The inverter provides AC power to the HPCI flow controller and to HPCI instrumentation. The licensee made an NRC notification. The basis for this report was that HPCI is a single system, and its failure whether operating or shutdown, was reportable.

4.3 The Unit 2 shutdown cooling system isolated on September 4, while an engineer was researching a system blocking permit. The unit was in the cold shutdown mode with coolant temperature about 150 degrees F. The engineer moved a loose wire at a fuse terminal block to read the label and this de-energized the 75 psig isolation logic signal. This resulted in the closure of the isolation valves, and in tripping the 2D RHR pump. The licensee tightened the lead and restored shutdown cooling a few minutes after the isolation.

4.4 On September 3 the licensee reported that the Unit 3 "A" Transversing Incore Probe (TIP) ball valve failed the local leak rate test. The failure causes the total leakage rate to be greater than the allowable limit. The tip ball valve is required to be repaired and satisfactorily tested prior to restart.

4.5 The shift security assistant and the corporal of the guards found a security watchman inattentive at the Unit 2 drywell access on September 6. The watchman was observed with her feet up and head down. She responded immediately to questioning, and she had made a radio check one minute earlier with the SAS operator. The watchman was suspended pending an investigation and was escorted off site. An investigation of the incident is in progress.

4.6 On September 10, the licensee informed the senior resident inspector that access to the protected area for 3 PECo maintenance department personnel was suspended effective September 4. This action was based on suspected use and/or dealing of controlled substances. The licensee is evaluating the individuals involved in accordance with the PECo fitness for duty program.

The resident inspectors are following the licensee investigations and corrective actions regarding these occurrences.

5.0 NRC Activities During the Period

Three NRC Resident Inspectors were assigned to monitor plant activities between August 27 and September 10, 1987. These individuals consisted of the following:

Thomas P. Johnson	- Senior Resident Inspector
Richard J. Urban	- Resident Inspector
Larry E. Myers	- Resident Inspector

Areas inspected included operational safety, shutdown order commitments, radiation protection, physical security, control room activities and demeanor, reportable events, surveillance testing, outage activities, maintenance, and outstanding items. The results of this inspection will be provided in a future status report.

Combined Inspection Report numbers 50-277/87-21 and 50-278/87-21 was issued on August 26, 1987. The inspection was performed by a region based specialist inspector from July 13 to July 17, 1987 and was a routine, unannounced inspection of the licensee's radiation safety program including: training of in-house HP technicians; organization and staffing; total dose control program; radwaste; heat stress program; control of overtime; QA audits; use of metal detector; and an allegation regarding a Unit 2 drywell entry in 1985. No violations of NRC requirements were identified.