

11 AUG 1988

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 JULY 23 - AUGUST 8, 1988

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.

James C. Linville, Chief
Reactor Projects Section 2A

Enclosure: As Stated

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cc w/encl:

- C. A. McNeill, Executive Director, Nuclear
- John S. Kemper, Sr., Senior Vice President-Nuclear
- Dickinson M. Smith, Vice President, Peach Bottom Atomic Power Station
- J. F. Franz, Plant Manager
- J. W. Gallagher, Vice President, Nuclear Services
- E. C. Kistner, Chairman, Nuclear Review Board
- Troy B. Conner, Jr., Esquire
- Jack Urban, General Manager, Fuels Department, Delmarva Power
- W. H. Hirst, Director, Joint Generation Projects Department,
Atlantic Electric
- B. W. Gorman, Manager - External Affairs, PSE&G
- Eugene J. Bradley, Esquire, Assistant General Counsel
- Raymond L. Hovis, Esquire
- Thomas Magette, Power Plant Siting, Nuclear Evaluations
- W. M. Alden, Director, Licensing Section
- Doris Poulsen, Secretary of Harford County Council
- Dane Honan
- 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
- F. Miraglia, NRR
- S. Varga, NRR
- B. Boger, NRR
- W. Butler, NRR
- R. Martin, NRR
- W. Russell, RI
- B. Clayton, EDO
- W. Johnston, RI
- T. Martin, RI
- S. Collins, RI
- R. Gallo, RI
- K. Abraham, RI
- M. Miller, RI
- J. Williams, RI

J. Johnson, RI
W. Pook, SRI-NMP

RI:DRP
Linville/rhl

RI:DRP *Jm*
Werzinger

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8/11/88

ENCLOSURE

PEACH BOTTOM ATOMIC POWER STATION STATUS REPORT FOR THE PERIOD July 23 - August 8, 1988

1.0 Plant Status

As of 8:00 a.m. on August 8, 1988, Unit 2 and 3 are in a cold condition per the March 31, 1987, NRC Order with coolant temperatures less than 212 degrees Fahrenheit. The Unit 3 core is completely off loaded into the spent fuel pool.

2.0 Facility Operations Summary

Unit 2 is in day 514 of its seventh refueling outage that began March 13, 1987. Unit 2 maintenance repair work is currently underway on 35 of 48 systems. (New systems were added for scheduled maintenance rework.) Maintenance outage work on nine systems has been completed. Unit 3 is in day 313 of its seventh refueling outage that began October 1, 1987. The pipe replacement contractor is in the process of returning control of the Unit 3 drywell to the licensee.

3.0 Items of Special Interest

- 3.1 On July 27, 1988, Philadelphia Electric Company (PECo) was sued by the co-owners of the Peach Bottom facilities. Public Service Electric and Gas, Atlantic City Electric and Delmarva Power and Light Company claim that PECo's obligations under the ownership contract was to notify the co-owners of the serious operator attentiveness problems and to correct those problems that led to the March 31, 1987 NRC Shutdown Order. The suits allege that the co-owners have been denied the benefits of ownership. Information obtained through the discovery process relevant to NRC regulatory interests associated with Peach Bottom restart will be reported to the NRC through the 10 CFR 21 reporting process.
- 3.2 On July 28, 1988, the licensee made a 10 CFR 21 report concerning copper contamination of the negative plates of 16 cells in the Unit 2, 125 volt Exide station batteries. This condition was initially identified on December 14, 1987, and is documented in NRC inspection reports. The licensee plans to replace the affected battery cells and the battery vendor is analyzing the worst ones. NRC residents and specialists will continue to review this area.
- 3.3 On August 5, 1988, a meeting was held with licensee senior management to discuss the status of the Peach Bottom Restart Plan. In particular, questions concerning the licensee's July 22, 1988, response to the NRC request for additional information was discussed. The NRC is continuing the restart plan review, and will include this information in the restart safety evaluation report.

- 3.4 General Electric performed ultrasonic examinations of the Unit 3 reactor vessel manway access covers during the period August 5 to 7, 1988. NRC specialists are reviewing the inspection results.

4.0 Other Items of Interest

- 4.1 On July 24, 1988, a telephone threat was received by the Pennsylvania State Police. The caller stated that "the Philadelphia Electric plant has one hour to close or we will close it down." Both Peach Bottom and Limerick Stations were informed of the threat. The licensee determined the threat to be nonspecific and noncredible. However, security threat procedures were implemented at both stations. NRC resident inspectors and security specialists are following the licensee's investigation.
- 4.2 During the period, the licensee made two security Safeguards Event Reports. An inattentive compensatory guard was identified by the licensee on August 3, 1988. A search of the affected area was performed and no abnormalities were noted.

The second event occurred on August 6, 1988, when the licensee identified that a vital area door was incorrectly compensated. A search of the affected area was performed and no abnormalities were noted. NRC regional specialists and the resident inspectors are following these two events.

- 4.3 During this status report period, the licensee made three NRC emergency notification system reports regarding unexpected automatic actuations of engineered safeguards feature (ESF) systems. On July 27, 1988, the control room ventilation system tripped during blocking permit application for scheduled system maintenance. The licensee revised the permit and returned the ventilation system to normal.

On July 29, 1988, the Unit 2 shutdown cooling system isolated when maintenance personnel were working on a relay. The apparent cause was an inadequate blocking sequence. The blocking sequence was corrected and the shutdown cooling system was returned to service.

On July 29, 1988, a potential transformer in the north substation exploded. The resultant electrical surge caused the plant emergency buses to load shed and two diesel generators to start. Both units experienced ESF actuations, a loss of the GTE telephone system, and false area radiation monitoring alarms. As a precaution, health physics personnel evacuated portions of the plant due to the false radiation alarms. The off site fire company was called and responded to the North Substation. The licensee restored electrical and other plant systems to their pre-event conditions. NRC resident inspectors are following the licensee's investigation of the event.

5.0 NRC Activities During the Period

- 5.1 Three NRC Resident Inspectors and a Projects Section Reactor Engineer were assigned to monitor plant activities between July 22 and August 8, 1988. These individuals consisted of the following:

Thomas P. Johnson	- Senior Resident Inspector
Richard J. Urban	- Resident Inspector
Larry E. Myers	- Resident Inspector
Jack Gadzala	- Reactor Engineer

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.

- 5.2 NRC specialists were on site as follows:

- Two specialists reviewed security plan implementation during the period July 25 - 29, 1988.
- An emergency preparedness specialist and the responsible regional Branch Chief toured emergency response facilities during the period July 28 - 29, 1988.
- Two emergency preparedness specialists reviewed emergency plan implementation during the period August 2 - 4, 1988.

The results of these inspections will be the subject of future NRC inspection reports.

- 5.3 Two specialist and one resident inspection reports were received during the period. An inspection report (50-277/88-14; 50-278/88-14) concerning nondestructive examination of the new Unit 3 recirculation pipe, was issued on July 21, 1988. The inspection was conducted May 9 - 20, 1988. No violations were issued.

A routine resident inspection report (50-277/88-18; 50-278/88-18) was issued on July 28, 1988. The inspection was conducted on June 4 - July 15, 1988. No violations were issued.

A routine specialist inspection report (50-277/88-20; 50-278/88-18) concerning non-radiological chemistry was issued on July 27, 1988. The inspection was conducted on June 16 - 17, 1988. No violations were issued.

- 5.5 NRC management personnel were on site during the period as follows:

<u>Date</u>	<u>Name/Title</u>
Jul 28-29	R. R. Bellamy, Chief, Facilities Radiological Safety and Safeguards Branch, Division of Radiological Safety and Safeguards
Aug 5	NRC Restart Panel