CCN 91-14013



PEACH BOTTOM-THE POWER OF EXCELLINCE

PHILADELPHIA ELECTRIC COMPANY PEACH BOTTOM ATOMIC POWER STATION R. D. 1, Box 208

R. D. 1, Box 208 Delta, Pennsylvania 17314 (717) 456-7014

February 4, 1991

Docket No. 50-277

Document Control Desk U. S. Nuclear Regulatory Commission Washington, DC 20555

#### SUBJECT: Licensee Event Report Peach Bottom Atomic Power Station - Unit 2

This LER concerns inoperability of Emergency Diesel Generator due to personnel error and procedural deficiency that resulted in a Tech Spec violation. Revision 1 is being submitted to clarify the corrective actions and to include the appropriate EIIS codes.

Reference: Report Number: Revision Number: Event Date: Report Date: Facility:

9102080358 910204 PDR ADOCK 05000277 PDR Docket No. 50-277 2-90-034 01 11/12/90 02/04/91 Peach Bottom Atomic Power Station RD 1, Box 208, Delta, PA 17314

This LER is being submitted pursuant to the requirements of 10 CFR 50.73(a)(2)(1)(B).

Sincerely,

John Jran

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cc: J. J. Lyash, USNRC Senior Resident Inspector T. T. Martin, USNRC, Region I

| Deficiency Rs   EVENT DATE (6)   ON/IN DAY   III III   OPERATING<br>MODE (8) THIS RE   N 20                                                                                                                                                               | and the part of some states and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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NRL Form 366A (C-83)

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REQULATORY COMMISSION APPROVED DMB NO 3150-0104 EXPIRES 8/31/88

| FACILITY NAME (1)                                                 | DOX | a e | T NIL) | ANDER | 112 |    |   |   |      | L | ERI | NUM | 3ER (6 | () |     |       | - | P  | AGE ( | 3)  |
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| Peach Bothom Atomia Pone" Station<br>Unit 2                       |     |     |        |       |     |    |   |   | YEAR | - | SE  | NUM | NTIAL  | Ţ. | NUN | ISION |   |    |       |     |
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# Rear engats for the lenort

This report is being submitted as required by 10 CFR 50.73 (a)(2)(i)(B) due to a condition prohibited by Technical Specifications (Tech Specs).

## Unit Conditions at Time of the Report

Unit 2 was in the RUN mode at 80% of licensed reactor power.

Unit 3 was in cold shutdown for a scheduled midcycle nutage.

## Description of Event

On 11/12/90, at 1615 hours, it was discovered by Plant operations personnel aring preparations to start the E3 Emergency Diese. Generator (FDG) (EIIS:EX), that is a associated broop selector switches (EIIS:SEL) were in the PARALLEL position. Here switches, which allow testing of the EDG, must be in the UNIT position in order to allow the EDG to perform is required safety function. This condition existed for approximately three days, during which time testing of the other EdI is had wit been performed as required by Technical Specification (T.S.) 4.5.F.1.

### Cause of the Event

The causes of the event were personnel error and procedural deficiency.

On 11/9/90, following operation of the E3 EDG per system operating procedures, the Plant Operator, (PQ)(Utility, Non-Licensed) assigned to secure the EDG failed to return the Droup selector switches to the UNIT position. The requirement to verify that the Droup selector switches are in the UNIT position following EDG operation is part of normal PO training for the operation of EDG's.

System operating procedure SO 52A.1.D, "Diesel Generator Lineup for Automatic Start", which is used to secure the EDG following its operation, does not contain a step to verify that the Droop selector switches are returned to the UNIT position. Instead, the procedure states that check-off list COL 52A.1.A-3, "E3 Diesel Generator Normal Standby", should be performed as directed by Shift Management. This procedure, which contains a verification of Droop selector switch positions, is not normally performed due to its length and a relience on the training and experience of Plant Operators.

#### Analysis of the Event

No actual safety consequences occurred as a result of this event.

During a design basis loss of coolant accident (DBA LOCA) it is assumed that one EDG will fail to perform its safety function. The E1, E2, and E4 EDG's were proven to be operable during normal surveillance tasting following this event. Therefore, the consequences of a DEA LOCA, had one occurred during the period of time the E3 EDG was incoperable, would not have been increased.

# LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMIRSION APPROVED DME NO. 3150-0104

EXPIRES \$/31/38

| PADILITY NAME ISI                 | DOCKEY NUMBER (2)      | LER NUMBER (6)           | FAGE (3)   |
|-----------------------------------|------------------------|--------------------------|------------|
| Peach Bottom Atomic Power Station |                        | VEAR REQUENTIAL REVENUER |            |
| Unit 2                            | 0 15 10 10 10 12 17 17 | 90 - 0314 - 011          | 013 OF 013 |

#### Corrective Actions

NRC Form SEEA

The E3 EDG Droop switches were placed in the UNIT position immediately following the discovery of this event on 11/12/90 at 1615 hours. COL 52A.1.A-3 was performed to ensure adequate lineup of the E3 EDG and the diesel generator was subsequently started and proven to be operable.

The Plant Operator involved with this event was counseled on the importance of attention to detail. An initiative has recently been undertaken to investigate the issue of attention to detail. Corrective actions are currently being formulated which are expected to significantly reduce this type of error.

SO 52A.8.A. "Diesel Generator Daily Shutdown/Pre-Startup Inspection", was revised to require verification that the Droop selector switches are in the UNIT position. SO 52A.8.A is required to be performed following the operation of an EDG per system operation procedures. Additionally, this procedure is performed daily as part of the plant operator rounds.

#### Previous Similar LERs

No previous similar LERs were identified in which an EDG was rendered inoperable due to an inadequate system lineup.

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2