PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4502

JOHN S. KEMPER
VICE-PRESIDENT
ENGINEERING AND RESEARCH

May 13, 1985

Docket Nos. 50-277
50-278

Mr. Hugh L. Thompson, Jr., Director
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUBJECT: Peach Bottom Atomic Power Station
NUREG-0612 - Control of Heavy Loads
Unit 2 Dryer-Separator Sling

REFERENCE: Letter from S. L. Daltroff to
D. G. Eisenhut, dated September 18, 1984

Dear Mr. Thompson:

Philadelphia Electric Company, in the referenced letter, notified the Commission of our modification to the Unit 2 dryer-separator sling to comply with NUREG-0612, "Control of heavy Loads at Nuclear Power Plants", by meeting the single-failure-proof criteria of Section 5.1.6. The letter further related that during the first use of the modified lifting beam assembly, the dryer-separator lifting beam did not properly set in place over the lugs of the steam dryer assembly. Therefore, the unmodified Unit 3 lifting beam was used in its place during the disassembly of the reactor vessel in May, 1984.

In the September 1984 letter, it was anticipated that the Unit 2 dryer-separator sling lifting beam problems would be corrected prior to the reassembly of the Unit 2 steam dryer assembly and the steam separator shroud head assembly. Since May, 1984, efforts to properly fit-up the Unit 2 dryer-separator lifting beam to the steam dryer assembly lifting lugs have been unsuccessful. Despite utilizing the Unit 3 dryer-separator sling lifting beam as a template for realigning the Unit 2 dryer-separator lifting beam and although proper fit-up of the lifting beam to the steam separator shroud head assembly was accomplished, the lifting beam still does not fit properly into the steam dryer assembly lifting holes. Therefore, a decision has been made to use the unmodified Unit 3 dryer-separator sling lifting beam to

A033
1/0

reassemble the Unit 2 reactor this outage and for all future assemblies and disassemblies of both units until the Unit 2 lifting beam alignment problem has been corrected.

To support the use of the unmodified unit 3 lifting beam a postulated load drop analysis was performed to evaluate the consequences for a load drop of either the steam dryer assembly or the steam separator shroud head assembly into the equipment storage pool. The consequences of the load drop analysis satisfy the evaluation criteria identified in NUREG-0612, Section 5.1 with the following conditions:

A) The fuel pool gates are installed when the steam dryer assembly and the separator shroud head assembly are being moved to and from the equipment pool and;

B) The steam dryer assembly and steam separator shroud head assembly will not be raised above the following height limits:

1) More than six inches above the equipment storage pool floor.

2) More than six inches above the equipment storage pool canal lip.

3) More than six inches above the reactor pressure vessel head studs.

The Unit 3 dryer-separator sling components utilized to perform the Unit 2 lifts will be modified in accordance with Philadelphia Electric Company's NUREG-0612 commitment after the Unit 2 dyer-separator sling is returned to service. The modifications to be performed to the Unit 3 dryer-separator sling are the same as the modifications performed to the Unit 2 dryer-separator sling with two exceptions:

1) Modifications will not be required to the hook box lug plate lifting eyes because the existing Unit 3 dryer-separator sling hook box lug plate lifting eyes are large enough to accommodate the larger diameter spelter socket pins.

2) Modification will not be required to the wide flange beam lug plate lifting eyes because the existing Unit 3 dryer-separator sling wide flange beam lug plate lifting eyes are large enough to accommodate the larger capacity turnbuckle.

If you have any additional questions or require additional information, please do not hesitate to contact us.

Very truly yours,

John S. Kemper

MKC/bls/05138501

Copy to: T. P. Johnson, Resident Site Inspector