

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report Nos. 84-41
84-33
Docket Nos. 50-277
50-278
License No. DPR-44
DPR-56 Priority - Category C

Licensee: Philadelphia Electric Company
2301 Market Street
Philadelphia, Pennsylvania 19101

Facility Name: Peach Bottom Atomic Power Station 2 and 3

Inspection At: Delta, Pennsylvania

Inspection Conducted: December 10-13, 1984

Inspector: Harold I. Gregg
Harold I. Gregg, Lead Reactor Engineer

Jan 17, 1985
date

Approved by: Jacques P. Anderson for
C. J. Anderson, Chief, Plant Systems
Section

1/31/85
date

Inspection Summary:

Inspection on December 10-13, 1984 (Report Nos. 50-277/84-41 and 50-278/84-33)

Areas Inspected: Routine unannounced inspection of licensee's activities related to NRC Bulletin identified items and licensee's activities related to surveillance of pipe supports, restraints and snubbers. The inspection involved 42 hours on site and 6 hours in office and was performed by one region-based inspector.

Results: No violations were identified.

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1. Persons Contacted1.1 Philadelphia Electric Company (PECO)

K. Bunch, Technical Assistant, Test Engineering Group
 C. Cuthbert, Quality Assurance Auditor
 G. Dawson, Project Engineer
 T. Donell, Site Quality Control Supervisor
 R. Fleishmann, Station Superintendent
 F. Mascitelli, Assistant Modifications Coordinator
 *C. Mengers, General Supervisor, Quality Assurance
 J. Mitman, Results Engineer
 W. Pinner, Maintenance Engineering Supervisor
 *S. Roberts, Operations Engineer
 T. Rock, Junior Technical Assistant
 J. Rogenmuser, Maintenance Operations Engineer
 S. Scalzo, Technical Assistant, Maintenance Engineering
 *S. Spitko, Administrative Engineer
 R. Sware, Technical Assistant, Quality Assurance Operations

1.2 U.S. Nuclear Regulatory Commission

*J. H. Williams, Resident Inspector
 *J. Beall, Region I, Project Engineer
 *A. Krasopoulos, Region I, Reactor Engineer

* Denotes persons present at exit meeting

2. Licensee Action on NRC IE Bulletin Identified Items

(Closed) IE Bulletin 79-04, "Incorrect Weights for Swing Check Valves Manufactured by Velan Manufacturing Company" (improper weights on drawings resulting in improper piping analysis).

The inspector evaluated the licensee's responses dated May 1, 1979 and May 31, 1979 and determined that the licensee has adequately addressed each of the IE Bulletin action requests. The inspector verified that seismic re-analysis was performed when original valve weights were incorrect and that support modifications were made where the re-analysis indicated they were required. The inspector verified from the licensee's 06/06/84 computer list of Total Plant Modification Requests that the modifications (Mods. 409 and 524) for Unit 2 were completed July 1979 and for Unit 3 were completed June 1979.

This item is closed.

(Closed) IE Bulletin 80-02, "Inadequate QA for Nuclear Supplied Equipment from Marvin Engineering Company" (deficiencies in implementation of the Marvin Engineering QA program - they supply FW spargers and thermal sleeves to GE).

The inspector evaluated the licensee's response dated April 16, 1980 and verified that each of the Bulletin directed actions was acceptably performed by the licensee. The inspector determined that equipment for the licensee was purchased under the provisions of a GE QA program (NEDO-11209-04A) and Marvin Manual #7, Revision 0, which complies with ANSI N45.2.

The inspector verified that although GE purchased the FW spargers under their non-essential to safety classification because they are not part of the pressure boundary, they did impose the GE QA program on Marvin Engineering Company to assure proper QC.

This item is closed.

(Closed) IE Bulletin 80-03, "Loss of Charcoal from Standard Type II, 2 inch, Tray Adsorber Cells" (too large a rivet spacing on screens allows charcoal to escape).

The inspector evaluated the licensee's response dated March 18, 1980 and verified that each of the Bulletin action requirements were adequately addressed by the licensee. The inspector determined that the licensee's adsorber screens were not of the riveted type but were tack welded at approximately $\frac{1}{2}$ " spacing with no separation to permit charcoal escape.

The inspector determined that although the licensee's inspections did not reveal the Bulletin identified problem, the licensee did identify a potential problem of rusting rivets that hold the charcoal fill port covers in place. The licensee committed to replace these rusting rivets with stainless steel rivets and to perform leak tests on each unit. The inspector reviewed the licensee's Maintenance Request Forms (MRF 29M017 and 29M075) and verified that the carbon steel rivets were replaced with stainless steel rivets and that leak testing was performed.

This item is closed.

(Closed) IE Bulletin 80-07, "BWR Jet Pump Assembly Failure" (cracked or broken hold-down beam assemblies).

The inspector evaluated the licensee's responses of May 2, 1980, May 7, 1980, and April 15, 1981, Inspection Report 81-07, and GE letter of March 21, 1980 to the licensee. The inspector determined that the licensee has adequately responded to each of the Bulletin actions required.

The inspector determined that the required inspections on Units 2 and 3 were performed and that the additional surveillance requirements imposed by the Bulletin are being performed. The inspector also verified that the

licensee identified jammed hold-down beam of jet pump #6 on Unit 3 was replaced and that there were no deficiencies identified in the Unit 2 jet pumps (re-examination of jet pumps 9 and 18 showed prior indications to be geometric reflections).

This item is closed.

(Closed) IE Bulletin 80-08, "Examination of Containment Liner Penetration Welds" (discrepancies between ultrasonic and radiographic examinations).

The inspector evaluated the licensee's response dated June 30, 1980, and determined that the licensee adequately responded to each of the Bulletin action requirements. The inspector verified that the licensee's welds did not utilize backing bars and that ultrasonic examination is an industry acceptable alternative when radiographic examination is not practical due to the configuration of the penetration at the weld location.

The inspector determined that some radiography verification of the ultrasonic examination was performed. Additionally, the inspector reviewed the drawing details of the penetrations involved and verified the licensee's position that the configuration at the weld joint was not practical for radiographic examination.

This item is closed.

(Closed) IE Bulletin 81-03, "Flow Blockage of Cooling Water to Safety System Components by Corbicula Sp. (Asiatic Clam) and Mytilus Sp. (Mussel)."

The inspector evaluated the licensee's initial response dated May 22, 1979 and subsequent letter of March 17, 1983 which responded to NRC's request for additional information dated January 21, 1983. The inspector verified that the licensee has a monitoring program in place and that test samples are obtained several times during the year at specific locations to determine the presence of Corbicula sp. or Mytilus sp.

The inspector reviewed the RMC-Environmental Services Division (the company that performs the study for the licensee) quarterly surveillance report dated September 6, 1984 which noted clams below Conowingo Dam. This report and prior reports show no evidence of Corbicula sp. or Mytilus sp. at the licensee's facility.

This item is closed.

3. Pipe Supports, Restraints, Snubbers

The inspector reviewed selected areas relating to pipe hangers, restraints and snubbers.

3.1 HPCI Pipe Supports

The inspector reviewed the licensee's documentation where several HPCI piping supports were damaged or improperly installed. The repair modifications were originally planned as a site modification; however, on further review, the licensee has upgraded the repair work to a major modification category (as defined in the FSAR). Thus the responsibility is under the corporate engineering office with a Safety Evaluation for the modification (mod 1402) and an engineering evaluation to determine the cause and corrective action to prevent future damage is required.

The inspector determined the licensee's plan for the modification work for Unit 2 is scheduled for completion in the current refueling outage and for Unit 3 during plant operation. The modification package was not complete and this item was already noted by the resident inspector's follow item (278/84-29-02).

This item (278/84-29-02) remains open.

3.2 Snubber Surveillance

The inspector reviewed the licensee's snubber surveillance which is presently being changed, based on recently approved Technical Specifications. The inspector reviewed the licensee's snubber testing procedures (M65.4, Revision 8, Hydraulic Snubber Testing; Special Procedure 703, Revision 0, which incorporates testing with load cell; ST 13.31, Revision 2, Hydraulic Snubber Functional Test; RT 13.2, 13.2.1, 13.2.2, 13.2.3 for Calibration of Testing Machine Equipment).

The inspector observed the testing machine and reviewed test results of several snubber tests. The inspector also observed snubbers in the moisture separator area at elevation 116 and 150.

No violations were identified.

4. QA/QC Interface with Work Activities

During this inspection, the inspector reviewed the licensee's QA/QC Interface related to pipe support, restraint and snubber activities.

The inspector reviewed several QC Inspector's Reports (DLB-84-0013, 0014 and 0015) relating to snubber testing and determined that there is an effective QC interface with the maintenance of snubber function. Necessary documentation is prepared and contains adequate details and appropriate QC sign-offs.

The inspector also reviewed a QA Audit Report (Audit No. AP84-38 MEM for Unit 2 snubber inspection, testing and maintenance. The audit verified that Technical Specifications were met, maintenance request forms documented the work performed, part traceability is maintained, approved maintenance procedures are utilized, test equipment has calibration requirements, good housekeeping is maintained, correct temporary storage is maintained, and certified QC inspectors sign off applicable hold and witness points are utilized.

The inspector's evaluation determined there was an effective QA/QC interface of the work activity of this inspection.

No violations were identified.

5. Exit Meeting

The inspector met with the licensee's representatives (identified in paragraph 1), at the conclusion of the inspection on December 13, 1984, to summarize the findings of this inspection. The NRC Resident Inspector, J. H. Williams, was also in attendance.

At no time during this inspection was written material provided to the licensee by the inspector.