

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

Region I

Report No. 50-352/80-16
50-353/80-14
Docket No. 50-352
50-353
License No. CPPR-106 Priority -- Category A
CPPR-107

Licensee: Philadelphia Electric Company
2301 Market Street
Philadelphia, Pa. 19101

Facility Name: Limerick Generating Station, Units 1 & 2

Inspection at: Limerick, Pa.

Inspection conducted: August 4 - 29, 1980

Inspectors: J. C. Mattia
J. C. Mattia, Senior Resident Inspector

8/15/80
date signed

date signed

date signed

Approved by: R. W. McGaughy
R. W. McGaughy, Chief Projects
Section, Reactor Construction and
Engineering Support Branch

8/17/80
date signed

Inspection Summary: Unit 1 Inspection on August 4 - 29, 1980 (Report No. 50-352/80-16)

Areas Inspected: Routine inspection by the Resident Inspector of work activities relative to: electrical activities, pipe hanger installation, document control and rework activities. The inspector also performed plant tours and reviewed licensee action on previously identified items. The inspection involved 15 inspector hours by the Resident Inspector.

Results: No items of noncompliance were identified.

Unit 2 Inspection on August 4 - 29, 1980 (Report No. 50-353/80-14)

Areas Inspected: The inspector performed plant tours and reviewed licensee action on previously identified items. The inspection involved 3 inspector hours by the NRC Resident Inspector.

Results: No items of noncompliance were identified.

DETAILS

1. Persons Contacted

Philadelphia Electric Company

D. Clohecy, QA Engineer
J. Corcoran, Field QA Branch Head
D. DiPaolo, QA Engineer
J. Fedick, Construction Engineer
J. Lauderback, QA Engineer

Bechtel Corporation

D. Adams, QC Engineer
P. Alverson, Field Procurement
K. Dickey, QC Engineer
B. Dragon, QA Engineer
H. Foster, Project Field QC Engineer
M. Friedhofer, QC Clerk
G. Kelly, QA Engineer
E. Klossin, Project QA Engineer
R. Leingang, Assistant Project Field Engineer
J. Martin, QA Engineer
D. Thompson, Assistant Project Field QC Engineer

General Electric Corporation (C. & S.E. Division)

D. Conti, QC Supervisor

D. Shauger, QC Inspector

E. Urick, QA Specialist

2. Plant Tour - Units 1 & 2

The inspector observed work activities in progress, completed work and the plant status in several areas of the plant during general inspection of the plant. The inspector examined work for any obvious defects or noncompliance with regulatory requirements or license conditions. Particular note was taken of presence of quality control, evidence such as inspection records, material identification, housekeeping and equipment preservation. The inspector interviewed, when appropriate, craft personnel, craft supervision and QC personnel in the work areas.

3. Licensee Action on Previous Inspection Findings (Unit 1)

(Closed) Unresolved Item (352/80-14-02)

In a previous inspection, the licensee was informed that the foundation bolts for the diesel-generator intake filter were inadequate. A review of the design was conducted by Bechtel and a design change was instituted (Field Change Request C-7179F to Design Drawing C-664). The bolts were changed from 5/8" diameter to 1" diameter. The inspector visually inspected the four intake filters to verify that the installed foundation bolts (four for each intake filter) are now 1" in diameter. This item is considered resolved.

4. Bulletin 78-12, 12A and 12B

NRC reviewed the licensee's response to Bulletin 78-12, 12A and 12B. Based upon the information submitted by Chicago Bridge and Iron Company for the two Limerick reactor pressure vessels (RPV), NRC concluded that all the weld material used in the RPV met the applicable acceptance criteria. No atypical weld material was found. This item is considered closed.

5. Limerick Welding Material Supplied to the Susquehanna Plant

The inspector informed the licensee of a Pennsylvania Power & Light Company (PP&L) response to a NRC Notice of Violation (infraction) on the Susquehanna Steam Electric Station. The PP&L response is dated July 28, 1980 and is also available in the public document files. The response also involved the Limerick jobsite. It appears that Bechtel (Susquehanna) had procured (Purchase Order F-3182) from Bechtel (Limerick) 300 series weld rod. This welding material did not meet the requirements of ASME Section III (NB-2432.1), in that the trace elements (chemical analysis) were not recorded. The inspector informed PECO that this item is considered unresolved, pending their review of this situation and verifying that the same heats of weld rod were not used on safety related systems at Limerick. (352/80-16-01).

6. Electrical Raceway Support Installation (Unit 1)

The inspector inspected the installation of raceway supports in the control building (elevation 239). The installation was being performed in accordance with Bechtel's design specification E-1406 and work request (WRB-2418).

No items of noncompliance were identified.

7. Electrical Cable Pulling (Unit 1)

The inspector witnessed the final stages of pulling cable (#ODJ006-J) into Panel 20A118, verified that QC engineer was in the area and also reviewed the quality control inspection record (QCIR-4.1-ODJ006-J) for this pull. The reference criteria for installation of this cable is Bechtel specification E-1412 and Job Rule E-10.

No items of noncompliance were identified.

8. Electrical Activities in Control Room (Unit 1)

The inspector observed the rework activities to a control panel in the Control Room. The rework was in accordance with G.E. requirements in observed condition notice No. 015. The inspector also reviewed the records pertaining to this rework.

No items of noncompliance were identified.

9. Switchgear (4kv) Repairs (Unit 1)

The licensee reported to NRC a significant deficiency (Report #11 dated June 20, 1980) in the crank assemblies that operate the circuit breaker auxiliary switches in the I.T.E. 4 kv metal-clad safeguard switchgear. The inspector witnessed the rework to Panel E7-10A 115-1 (Compartment 8, Relays AE and RA) in accordance with the Bechtel nonconformance Report #4143 and the Gould-Brown-Boveri special procedure S.H. -001. The inspector also verified that a QC engineer was also present during this rework.

No items of noncompliance were identified.

10. Document Control (Unit 1)

The inspector randomly selected four Bechtel drawings being used in the reactor building to verify that the current drawing revisions were in use. The four drawings selected were as follows:

HBC-282-2 Revision 4

FSK-HBC-282-2 Revision 2

GBC-206-1 Revision 3

GBC-202-1 Revision 3

The above drawing revisions were compared with the Bechtel master drawing register and were found to be current.

No items of noncompliance were identified.

11. Management Meetings

At periodic intervals during the course of this inspection, meetings were held with senior plant management to discuss the scope and findings of this inspection.

The resident inspector also attended entrance and exit interviews of region-based inspectors conducted with plant management during the course of this inspection.

12. Unresolved Items

Unresolved items are matters about which more information is required to ascertain whether they are acceptable items, items of noncompliance or deviations. Unresolved items disclosed during the inspection are discussed in paragraph 5.