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

REGION III

Reports No. 50-456/80-11; 50-457/80-10

Docket Nos. 50-456; 50-457 Licenses No. CPPR-132; CPPR-133

Licensee: Commonwealth Edison Company
Post Office Box 767
Chicago, IL 60690

Facility Name: Braidwood Station, Units 1 and 2

Inspection At: Braidwood Site, Braidwood, IL

Inspection Conducted: September 9 and 10, 1980

Inspector: C. M. Erb 9/30/80

Approved By: D. H. Danielson, Chief 9/30/80
Engineering Support Section 2

Inspection Summary

Inspection on September 9-10, 1980 (Reports No. 50-456/80-11; 50-457/80-10)
Areas Inspected: Records for safety related components, Unit 1; QC records on installation of CRDM's, Units 1 and 2; steam generator modification, Unit 1; outside storage of safety related components, Units 1 and 2. This inspection involved 14 onsite hours by one NRC inspector.
Results: Of the four areas inspected, one apparent item of noncompliance was identified in one area (infraction - improper storage of safety related components - Paragraph 4).

DETAILS

Persons Contacted

Commonwealth Edison (CECo)

*R. Cosaro, Superintendent Site Construction
*T. R. Sommerfield, Supervisor QA
*J. Merwin, Lead Mechanical Supervsior
*D. Kapinus, QA Engineer
*R. J. Farr, QA Engineer
B. Acas, Field Engineer

Other Personnel

*R. Meyers, Site Manager, Pullman Power Products (PPP)
*T. Gugluizza, QC Supervisor, PPP
R. Runnion, Lead Engineer, W PGSD
B. Brown, Site Manager, NISCo
J. Pruitt, Manager QA, NISCo
J. Femister, Technical Representative, W

*Denotes those present at the exit interview.

Functional or Program Areas Inspected

1. QC Records - Safety Related Components, Unit 1

   a. Records on main coolant pump casing S/N F1041-115E313-H02-10 were examined. It was received on W QR-23551. The supplier, G. Fisher, had sent along material certifications for heat No. 53847-1 as well as NDE certifications. The test report indicated a water hydro and acceptable to ASME Section III, NB6200. Water analyses for the flush water and hydro test were available in the package.

   b. Records for two main loop stop valves were examined. A 27.5 inch motor operated gate valve, identification RCPCLS-06, was received on QR-30313. This valve was to drawing 116E25, Revision 1, and bore identification NBW 19981. Form NPV-1 was used with this valve and it meets the requirements of ASME Section III 1971 Edition Winter 1973 Addenda, Cases 1552, 1553-1, and 1649.

      Records for a 29 inch motor operated gate valve for installation in the main coolant loop were also examined, identification - Spin No. RCPCLS-07. This valve was made to drawing 114E937G02 and W specification G678874, Revision 2. This valve was acceptable to ASME Code and was received on QR-28139.

   No items of noncompliance or deviations were identified.

2. QC Records - Control Rod Drive Mechanisms, Units 1 and 2

NISCo have completed the seal welds on the CRDM's for both Unit 1 and Unit 2. There are 53 CRDM's, 20 head adapters, and 5 female flange thermocouples. The CRDM's are torqued to 300 ft. lbs. and then the seal weld is made automatically using Weld Procedure No. 132-8B. A Penetrant Test to Procedure No. ES100-2 is then performed and an information hydro performed. One repair was required on each head and this was accomplished manually using repair procedure SWPS-132-2.

The funnel guides on the underside of the head have been installed for both units. These guides are torqued to 50 ft. lbs. and then welded to Procedure No. 80-2. The NDE for this plug weld is visual only. Torque wrench No. 751032 is calibrated semi annually and was done by Pittsburgh Testing Laboratory (PTL).

No items of noncompliance or deviations were identified.

3. Modification of Steam Generators - Unit 1

A total of 8 new openings are being made on each of the four Unit 1 steam generators. W has the contract and the Authorized Nuclear Inspector (ANI) is from Lumberman's Mutual Insurance Company. The openings, except for 2 small ones, are made by building up a pad with weld around a pipe which will allow threaded holes to be made in the pad and closure made with a cover. The two smallest openings do not require the pad build up. The openings serve as either inspection ports or wet lay up nozzles. Each 1/2 inch of buildup is magnetically tested and then MT is performed when the pad is ground to final dimension.

Weld Procedure No. NPT-73 is used for the pad buildup on the vessel wall, which is type SA 533, Type A. A 9018M electrode is used with a 250^{o} minimum preheat and when completed, a stress relief at $1150^{o}F$ is performed. The welders are qualified for the 2G and 3G positions.

The applicable ASME Code for this work is ASME Section III, 1971 Edition, Summer 1972 Addenda.

No items of noncompliance or deviations were identified.

4. Outside Storage Safety Related Components - Units 1 and 2

A tour of the areas where ASME Code piping and safety related component supports were stored showed that many items were not stored properly. Sand had washed down and covered some pipes near the Unit 1 equipment entrance ramp, and in others the end caps were missing. The support legs for Unit 2 safety related components were rusting where grinding had been performed without repainting. Examples of unacceptable storage conditions:

Identification	Comments
Chemical Volume Control (CV) MRR2824	Near Unit 1 ramp
Q6058 (CV)	Partially covered w/sand
MR5067	Beams holding water
Unit 2 Accumulator S104TA	Less 1 lb. pressure of inert gas
Reactor Coolant S006056 RCNPT1	Not on dunnage
Feed water Class 2	Off dunnage
Rebar	Identification needs to be reinforced where many different part numbers are stored in a single bundle

This is an item of noncompliance identified in Appendix A. (456/80-11-01 and 457/80-10-01)

Exit Interview

The inspector met with licensee representatives (denoted in the Persons Contacted paragraph) at the conclusion of the inspection on September 10, 1980. The inspector summarized the scope and findings of the inspection, and discussed the item of noncompliance identified during the inspection.