

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

REGION III

Reports No. 50-456/81-01; 50-457/81-01

Docket Nos. 50-456; 50-457

Licenses No. CPPR-131; CPPR-133

Licensee: Commonwealth Edison Company
P. O. Box 767
Chicago, IL 60690

Facility Name: Braidwood Nuclear Power Station, Units 1 and 2

Inspection At: Braidwood Site, Braidwood, IL

Inspection Conducted: January 15-16 and 21, 1981

Inspector: *E. R. Schweibinz*
E. R. Schweibinz

2-4-81

Approved By: *C. C. Williams*
C. C. Williams, Chief
Projects Section 2

2-4-81

Inspection Summary

Inspection on January 15-16 and 21, 1981 (Reports No. 50-456/81-01; 50-457/81-01)

Areas Inspected: Reviewed action taken on previous inspection findings, movement of one steam generator from outside to inside containment, corrective actions taken on 10 CFR 21 reports from Jamesbury Corp., and a site tour. The inspection involved 20 inspector-hours onsite by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

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DETAILS

Persons Contacted

Commonwealth Edison Company (CECo)

- *R. Cosaro, Superintendent, Site Construction
- +*T. R. Sommerfield, QA Superintendent
- +*D. A. Brown, QA Supervisor
- *W. Carlson, Station Construction
- +*J. T. Merwin, Lead Mechanical Supervisor
- C. Grey, Civil Supervisor
- + H. W. Jones, QA Engineer
- + D. M. Kapinus, QA Engineer
- + L. J. Tapella, QA Engineer

The inspector also contacted other contractor and licensee personnel during the course of the inspection.

*Denotes those present at the exit meeting on January 16, 1981.

+Denotes those present at the exit meeting on January 21, 1981.

Licensee Action on Previous Inspection Findings

(Closed) Unresolved Item (456/79-15-01; 457/79-15-01): Review of implementation of storage checklist and documentation of the meaning of "inside heated storage". The latter part of this item was reviewed and closed in Inspection Report 50-456/80-10. The review of the implementation of the checklist for the storage and protection of post-tensioning materials was performed during this inspection. In addition, the storage conditions inside Warehouse III were observed and found to be acceptable. This item is closed.

(Closed) Unresolved Item (456/79-15-02; 457/79-15-02): The licensee had not performed an inventory to assure inclusion of all equipment/material requiring surveillance during the construction delay as required by site procedure BG-18, "Procedure for Construction Delay at Braidwood Station". The RIII inspector reviewed the Equipment Surveillance Inventory, dated February 11, 1980 and found it to be acceptable. This item is closed.

(Closed) Unresolved Item (456/79-15-03; 457/79-15-03): The licensee had not completed an inventory of QA records for the following contractors: Phillips-Getschow, Pullman Sheet Metalworkers, Mid-City Architectural Iron Company, Pittsburgh Testing Laboratory, Nuclear Installation Services Company (NISCO), and the V.S. Wallgren Company.

The RIII inspector had previously reviewed audits which were conducted by Commonwealth Edison Company Quality Assurance Department to evaluate the

inventory of the documentation in the files for the following two contractors: NISCO and the V.S. Wallgren Company. This review is documented in Inspection Report No. 50-456/80-01, paragraph 1. During this inspection the inspector reviewed the following audit reports:

<u>Audit Report No.</u>	<u>Contractor or Sub-Contractor</u>
QA-20-80-08	Phillips-Getschow
QA-20-79-55	Pullman Sheet Metalworkers
QA-20-79-56	Mid-City Architectural Iron Co.
QA-20-80-06	Pittsburgh Testing Laboratory

The audits disclosed that two minor discrepancies were found during two of the audits and both of them were fixed during the course of the audit. One audit on Pittsburgh Testing Laboratory had one finding in which the inventory was not accurate. The inventory was collected and a followup audit determined it to be acceptable and the audit finding was closed. This item is closed.

(Closed) Noncompliance (456/80-01-01; 457/80-01-01): Failure to properly store QA records. The RIII inspector observed the three fireproof vaults which were built by Commonwealth Edison for use by their contractor and subcontractors during the period of plant construction.

These vaults were found acceptable with one exception; the door on the vault being used by Pittsburgh Testing Laboratory could not be shown to be a 2-hour fire rated partition. The licensee took immediate corrective action and replaced this door with one which had the proper fire rating. Inspection of the Phillips-Getschow office building records storage facility revealed that each of the discrepancies noted in Inspection Report No. 50-456/80-01 were corrected. This item is closed.

(Closed) Noncompliance (456/80-01-02; 457/80-01-02): Failure to store Quality Records as required by FSAR commitment. The licensee has submitted a change to the FSAR in Amendment 26 on June 27, 1980. This change will allow a 2-hour rated facility to be acceptable for storing quality assurance records during the period of construction. This change will comply with Section 17.1, paragraph 17.1.4 of the Standard Review Plan (NUREG 75/087, Revision 1). The RIII inspector verified that this change is acceptable to NRR via a telephone conversation with C. Moon, Braidwood Project Manager, on January 26, 1981. This item is closed.

(Closed) Noncompliance (456/80-08-01; 457/80-08-01): Lack of welding material control. The RIII inspector reviewed the quality assurance training record of the training session which was conducted by Phillips-Getschow Company on Procedure, QCP-B8, Revision 4, "Issuance and Control of Welding Material". This training was conducted on July 25, 1980. The inspector also reviewed the Phillips-Getschow Company revised Storage Procedure, QAP-3, Revision 1, which was revised to reflect the requirements of the temperature at which the weld rod in question will be maintained. The procedure now indicates that the

recommended electrode oven holding temperature for McKay manufactured electrodes of type E7018, E308, E309, E310, and E316 is 175°F. This item is closed.

Functional or Program Areas Inspected

1. Movement of One Steam Generator From Outside to Inside Containment

The RIII inspector observed the movement of Steam Generator Spin No. CDE-RCPCSG-1 from its storage location just below the ramp which leads up to the containment for Unit 2 and into the containment building. This transporting activity occurred on January 16, 1981.

No items of noncompliance or deviations were identified.

2. Corrective Actions Taken on 10 CFR 21 Reports From Jamesbury Corporation

- a. On October 16, 1978, Jamesbury Corporation filed a 10 CFR 21 Report with the NRC Region I. This report identified three valves which were shipped to the Braidwood Station and eight valves shipped to the Byron Station which failed to meet the applicable seismic loading requirements. The RIII inspector reviewed documentation that indicated that Jamesbury personnel came to the Braidwood and Byron sites and repaired the valves in question. These valves were identified by Jamesbury Job/Item Nos. ND48859/13,/14 for the Braidwood site and ND48858/14,/15,/16 for the Byron site. This item is considered closed.

No items of noncompliance or deviations were identified.

- b. On April 18, 1980, Jamesbury Corporation filed a 10 CFR 21 Report with the RI NRC office. This report identified problems in which a wafer-sphere valve leaked to atmosphere through one of the flange bolt holes during preoperational system testing. Jamesbury requested its customers to return the valves to Jamesbury for re-hydrostatic testing. In an April 25, 1980 letter from Jamesbury Corporation they identified 20 valves that were shipped to Commonwealth Edison Company for the Byron and Braidwood Stations.

The RIII inspector identified a problem in the identification of the valves in the April 25, 1980 letter. This letter identified valves with Jamesbury order No. NC-48856-10 and NC-48856-11 as being sent to the Byron station. It also identified valves as Jamesbury order Nos. NC-48857-10 and NC-48857-11 as being sent to the Braidwood station. Each of the above listed Jamesbury order numbers consisted of five valves. During review of the documentation in which these valves were sent back to Jamesbury for testing, the RIII inspector identified that the valves ending in the suffix "-11" were in error in that the actual Jamesbury order number should have been "-09". Thus the correct Jamesbury order numbers for the Byron station should have been NC-48856-09

and NC-48856-10. The correct Jamesbury order numbers for the Braidwood station should have been NC-48857-09 and NC-48857-10. On January 22, 1980, the RIII inspector contacted the Senior Project Manager for the Jamesbury Corporation, Mr. Donald W. Frye. Mr. Frye indicated that indeed the order numbers were incorrect in the April 25, 1980 letter and that Jamesbury would send a supplemental notification to clarify this error to the NRC.

The RIII inspector reviewed documentation that indicated that the 20 subject valves located at the Braidwood and Byron stations were returned to the manufacturer (Jamesbury Corporation) for re-hydrostatic testing. Other documentation was reviewed that indicated that 7 of the 10 valves were returned to the Braidwood station and the remaining 13 valves were returned to the Byron station. This item is closed.

No items of noncompliance or deviations were identified.

3. Site Tour

The RIII inspector conducted a site tour of the containment buildings for Units 1 and 2, the auxiliary building, and outlying areas.

No items of noncompliance or deviations were identified.

Exit Meeting

The inspector met with site staff representatives (denoted under Persons Contacted paragraph) at the conclusion of the inspection on January 16, 1981 and January 21, 1981. The inspector summarized the scope and findings of the inspection.