

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report Nos. 50-454/91028(DRP); 50-455/91028(DRP)

Docket Nos. 50-454; 50-455

License Nos. NPF-37; NFF-63

Licensee: Commonwealth Edison Company
Opus West III
1400 Opus Place
Downers Grove, IL 60515

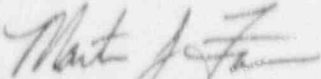
Facility Name: Byron Station, Units 1 and 2

Inspection At: Byron Site, Byron, Illinois

Inspection Conducted: December 4 through December 12, 1991

Inspectors: W. J. Kropp

M. J. Miller

Approved By:  Martin J. Farber, Chief
Reactor Projects Section 1A

12/3/91
Date

Inspection Summary

Inspection from December 4, 1991, through December 12, 1991 (Report Nos. 50-454/91028(DRP); 50-455/91028(DRP)).

Areas Inspected: Routine, unannounced safety inspection of Byron's Temporary Alterations Program including: selective review of temporary alterations, the temporary alteration procedure, log sheets, safety evaluations, engineering reviews, temporary procedure changes, and associated work requests.

Results: No violations or deviations were observed in the areas inspected. Temporary alterations were being accomplished in accordance with the station's temporary alteration program, records were properly maintained, and the number of temporary alterations in use appeared reasonable.

DETAILS

1. Persons Contacted

Commonwealth Edison Company (CECo)

- *R. Pleniewicz, Station Manager
- *M. Burgess, Technical Superintendent
 - D. Brindle, Regulatory Assurance Supervisor
 - J. Schrock, Operating Engineer, Administrative
- *D. St. Clair, Project Engineer, ENC
- *P. Johnson, Technical Staff Supervisor
- *W. Grundmann, Quality Assurance Superintendent
 - E. Zittle, Regulatory Assurance Staff
- *R. Colglazier, Regulatory Assurance Staff

*Denotes those attending the exit interview conducted on December 12, 1991, and at other times throughout the inspection period.

The inspectors also had discussions with other licensee employees, including members of the technical and engineering staffs; reactor and auxiliary operators; shift engineers and foremen; electrical, mechanical, and instrument maintenance personnel; and contract security personnel.

2. Action on Previous Inspection Findings (92701 & 92702)

(Closed) Unresolved Item (455/86036-03) Possible improper evaluation of shelf life for non metallic items designated as having "non-limited" shelf life. Interim guidance was developed pending the standardization of shelf life limits for the nuclear industry. This matter is considered closed.

3. Engineering & Technical Support (37700)

The inspectors reviewed temporary alterations for implementation of program controls in accordance with Section 6 of Byron's Technical Specifications and the approved QA program. The inspectors verified that formal records of the status of temporary modifications were maintained and appropriate temporary procedures were incorporated.

A review of 10 CFR 50.59 safety evaluations for the selected temporary alterations determined that the proper references were listed and that no unreviewed safety questions existed. However, the Safety Evaluation for temporary alteration number 90-2-056 was missing page 8 of 9. This was an

isolated instance and no previous instances have been noted. The licensee promptly initiated a new safety evaluation to reaffirm the conclusions of the original safety evaluation and to provide complete documentation. The inspectors have no further concerns in this matter.

The following temporary alterations were reviewed:

<u>Temporary Alteration No.</u>	<u>Description</u>
90-2-056	Cleared the annunciator window of a false alarm.
91-2-017	Provided a substitute diaphragm for the process sampling containment isolation valve.
91-1-036	Allowed for a repair of the 1A diesel generator fuel oil filter housing.

The purpose of the "pressurizer power operated relief valve or safety valve open" annunciator window alteration was to clear the window of a continuous false alarm and thereby support the dark board concept. The false annunciator signal was caused by an open conductor in the cable leading to a valve position switch, which would require substantial time to replace. Specific wiring details of the safety relief valve alarm modification were reviewed to ensure the valve position indications in the control room were not compromised by the alteration. The review found that the switch used to provide the open valve signal to the annunciator window was a different switch than those used to provide valve position indications in the control room. Additionally, the cable for the valve position indications was separate from the cable providing the signal to the annunciator window. Therefore, the valve position indications required to meet the Technical Specifications, were not compromised by this alteration.

The Nuclear Work Request for troubleshooting the annunciator window problem did not contain sufficient documentation to support the technical staff's conclusions concerning the cause of the false alarm. A review of an additional Nuclear Work Request was required to obtain the required information. While the technical staff's conclusions appeared correct, the Nuclear Work Request for troubleshooting the problem should have included sufficient details of the work performed to determine the cause of the false alarm. The inspectors discussed this with the

licensee and the deficiency was acknowledged. Because previous inspections have not identified problems in this area the inspectors consider this an isolated occurrence and have no further concerns.

The inspectors also examined the offsite review for the annunciator window alteration. Engineering and Construction (ENC) personnel were interviewed concerning the process used to determine their recommendations to the station and their evaluation of the alteration. The operability determination by the ENC group supported the station's position and the recommendation to the station conveyed the appropriate need to repair the annunciator window during the earliest outage of sufficient length.

In addition, a general inspection of the auxiliary feed water system and other areas of the plant was performed to identify undocumented temporary alterations. No undocumented temporary alterations were identified.

No violations or deviations were identified.

4. Exit Meeting

The inspectors met with the licensee representatives denoted in paragraph 1 during the inspection period and at the conclusion of the inspection on December 12, 1991. The inspectors summarized the scope and results of the inspection and discussed the likely content of this inspection report. The licensee acknowledged the information and did not indicate that any of the information disclosed during the inspection could be considered proprietary in nature.