

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

REGION III

Report No. 50-255/78-28

Docket No. 50-255

License No. DPR-20

Licensee: Consumers Power Company  
212 West Michigan Avenue  
Jackson, MI 49201

Facility Name: Palisades

Inspection At: Covert, Michigan

Inspection Conducted: November 27 - December 1, 1978

*RFW for*  
Inspectors: B. L. Jorgensen 12-26-78

*RFW for*  
D. R. Hunter 12-26-78

*RF Warnick*  
Approved By: R. F. Warnick, Chief 12-26-78  
Reactor Projects Section 2

Inspection Summary

Inspection on November 27 - December 1, 1978 (Report No. 50-255/78-28)  
Areas Inspected: Routine, announced inspection of facility modifications (design changes) and outstanding inspection items. The inspection involved 25 inspector-hours onsite by two NRC inspectors. In addition, the inspectors spent a total of 53 inspector-hours accompanying the NRC Performance Appraisal Team (PAT) in a separate inspection, which was conducted concurrently and which will be documented separately.  
Results: No items of noncompliance or deviations were identified in the areas of design changes, modifications and outstanding inspection items.

7902010021

DETAILS

1. Persons Contacted

\*J. Lewis, Plant Superintendent  
J. Freneau, Administrator, Operations Quality Assurance  
R. McCaleb, Quality Assurance Superintendent  
K. Berry, Technical Superintendent  
\*H. Palmer, Senior Engineer  
G. Petitjean, Technical Engineer

\*Present at management exit interview December 1, 1978.

2. Plant Design Changes/Modifications

A number of plant modifications performed within the licensee's Facility Change (FC) and Specification/Field Change (SFC) procedures in 1977 were examined by the inspectors. Proper review and approval, adherence to 10 CFR 50.59, use of activity-control procedures including hold points and acceptance tests, and updating of procedures and drawings were specifically examined. The review was a continuation of the inspection of this area began during a previous inspection.<sup>1/</sup>

Facility Changes 357 and 357-1, involving expansion of the containment breathing-air header, and Facility Changes 402, 420-1, 402-2, and 402-3, involving provision for and testing of a seismically qualified operating-air supply to containment ventilation valve seal rings (T-rings), were examined in detail. Review of the information on T-ring air supply modifications included an examination of subsequent testing procedures, test data, and reports. (See paragraph 3.a)

A number of Specification/Field Changes were examined in less detail as follows:

- a. SFC 77-019: replacement of TP 304 stub in charging pump common suction line with TP 304L tee.
- b. SFC 77-033: revision of drawings used to fabricate CRDM seal housing drive shafts.
- c. SFC 77-049: replacement of EDG annunciation system relay with more temperature-resistant type.
- d. SFC 77-056: replacement of SI bottle pressure switches.

1/ IE Inspection Report No. 50-255/78-27.

- e. SFC 77-073: installation of blind flange on CV-1805 to temporarily disable in safe condition.
- f. SFC 77-076: leveling of leading edge on CV-1806 "T-ring" to prevent binding.

No items of noncompliance or deviations were identified.

3. Outstanding Inspection Stems

a. Operability of Containment Ventilation Valves<sup>2/</sup>

The inspectors reviewed the licensee's procedures, data, and calculated results from testing of the containment ventilation valve seal rings (T-rings) to ascertain acceptable completion of the testing and verification of valve operability. Based on this review the inspector has no further questions concerning this matter at this time. The item is considered closed.

b. Boric Acid Heat Tracing

The inspectors reviewed the licensee's program for operation, surveillance and maintenance of the boric acid heat tracing system.<sup>3/</sup> The licensee had completed a circuit check, identifying five failed boric acid heat tracing circuits. No common circuits had failed, causing low pipe-run temperatures. The licensee is repairing the circuits during the present plant outage and is establishing routine weekly surveillance of the circuit currents to assure early detection of circuit failures and expeditious repair.

The licensee stated maintenance personnel would perform routine replacement of failed fuses found by the operations group during regular rounds, due to the fuse locations being a possible safety hazard.

This item will remain open and will be reviewed further during a subsequent inspection.

c. Q-List

An inspector reviewed the licensee classification of the fire protection system as "Q-listed".<sup>4/</sup> The inspector has no further questions concerning this item at this time, and the item is considered closed.

<sup>2/</sup> IE Inspection Report No. 50-255/78-22.

<sup>3/</sup> IE Inspection Report No. 50-255/78-27.

<sup>4/</sup> IE Inspection Report No. 50-255/78-10.

During the review, however, the inspector noted the plant security system had not been included on the "Q-list". This list has been established to identify safety related items and activities which control the operation of the facility within the Technical Specifications or Federal Regulations. This basis is included in Quality Assurance Policy 2 and Quality Assurance Program Procedure 2-52. The licensee has an operating security program and is continuing to implement additional measures. In that the security system satisfies requirements of a Federal Regulation (10 CFR 73.55), the inspector believes the licensee is committed to its inclusion on the list. The licensee does not agree with the inspectors opinion. This matter will be reviewed further by RIII and is considered an unresolved item.

No items of noncompliance or deviations were identified.

4. Unresolved Items

Unresolved items are matters about which more information is required in order to determine whether they are acceptable items, items of noncompliance, or deviations. An unresolved item disclosed during the inspection is discussed in Paragraph 3.c.

5. Management Exit Interview

The inspectors conducted an exit interview with Messrs. Lewis and Palmer at the conclusion of the inspection on December 1, 1978. The scope and findings of the inspection were summarized.