

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-305/82-07(DETP)

Docket No. 50-305

License No. DPR-43

Licensee: Wisconsin Public Service Corporation  
P. O. Box 1200  
Green Bay, WI 54305

Facility Name: Kewaunee Nuclear Power Plant

Inspection At: Kewaunee, WI

Inspection Conducted: March 4, 1982

Inspector: *D. L. Robinson*  
D. L. Robinson

3-12-82

Approved By: *I. N. Jackiw*  
I. N. Jackiw, Chief  
Test Program Section

3/12/82

Inspection Summary

Inspection on March 4, 1982 (Report No. 50-305/82-07(DETP))

Areas Inspected: Routine, unannounced inspection of reactor coolant system leakage determination. The inspection involved a total of eight inspector-hours onsite by one NRC inspector including 0 inspector-hours onsite during offshifts.

Results: No items of noncompliance or deviations were identified.

## DETAILS

### 1. Persons Contacted

- \*D. Hintz, Plant Manager
- \*C. Steinhardt, Operations Superintendent
- \*M. Marchi, Technical Supervisor
- \*A. Ruege, Quality Control Supervisor
- \*D. Molzahn, Maintenance Engineer
- \*B. Fitzpatrick, USNRC Resident Inspector

\*Denotes those present at exit interview.

### 2. Licensee Action on Previously Identified Inspection Items

(Closed) Open Item (50-305/81-19-01): Lack of specific Technical Specification surveillance requirement on RCS leakage. The inspector noted that on November 6, 1981 the licensee amended Table 4.1-3 of its Technical Specifications to require a weekly surveillance on RCS leakage.

No items of noncompliance or deviations were identified.

### 3. RCS Leak Rate Determination

Kewaunee Technical Specification 3.1.d limits Reactor Coolant System leakage to 1 gpm unidentified leakage and 25 gpm identified leakage. These LCOs specifically limit leakage from the primary coolant system and not leakage to the containment as inferred in the bases discussion. Accordingly, leakage detection systems which determine leakage losses to containment from water and steam systems within containment cannot be used to meet the above Technical Specification limits. The inspector noted that the licensee had been monitoring containment sump levels and sump pump run times each shift to demonstrate compliance with T.S.3.1.d. The inspector concluded that this method was unacceptable. The licensee stated that Surveillance Procedure No. SP 36-082 was being revised to address RCS leakage limits and would be finalized by June 1, 1982. The inspector noted that the procedure required a RCS water inventory balance be performed at least weekly whenever the reactor was at power or in a hot shutdown condition. The inspector noted that this procedure had been conducted weekly for trending purposes, and upon review of test results, noted that no Technical Specification limits had been violated.

The inspector noted that the licensee had amended its Technical Specifications to require a weekly surveillance on RCS leakage, but recommended that it be done more frequently. The inspector also recommended that the 25 gpm limit on identified leakage be decreased to 10 gpm to be consistent with current industry practice and the

bases discussion, noting that a letter to this effect had been sent from the regional office to NRR.

No items of noncompliance or deviations were identified.

4. Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on March 4, 1982. The inspector summarized the purpose, scope, and findings of the inspection.