



UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF COMPLIANCE
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

TELEPHONE
(312) 858-2660

April 24, 1972

Wisconsin Public Service Corporation
ATTN: Mr. E. W. James, Senior Vice President
Power Generation and Engineering
P. O. Box 700
Green Bay, Wisconsin 54305

Docket No. 50-305

Gentlemen:

This refers to the inspection conducted by Mr. Feierabend of this office on April 3-5, 1972, of your activities at the Kewaunee Nuclear Plant authorized by AEC Construction Permit No. CPPR-50 and to the discussion of our findings at the conclusion of the inspection with Mr. Giesler and others of your staff on April 5, 1972.

Areas examined during this inspection included the status of preoperational test schedules, test procedures, and test results. Within these areas, the inspection consisted of selective examination of representative records and procedures, interviews with plant personnel, and observations by the inspector.

No items of noncompliance with AEC requirements were identified within the scope of this inspection.

Our inspector examined the action taken with respect to the matter previously pointed out in our letter of March 9, 1972. It was observed that action had been initiated to provide operating procedures and to implement a preventive maintenance program for equipment being placed into extended operation. We have no further questions on this matter.

Based on discussions regarding the performance of a test of plant response to loss of instrument air, we understand that such a test will be performed prior to fuel loading. We will examine the procedures for this test and the test results during subsequent inspections.

April 24, 1972

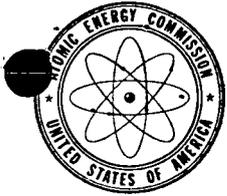
No reply to this letter is necessary; however, should you have any questions concerning this inspection, we will be glad to discuss them with you.

Sincerely yours,

Boyce H. Grier
Regional Director

cc: C. W. Giesler, Superintendent, Nuclear Power
E. R. Mathews, Manager, Power Engineering
L. O. Ramsett, Quality Assurance Supervisor

bcc: J. G. Keppler, CO
L. Kornblith, CO
R. H. Engelken, CO
P. A. Morris, DRL
CO Files
DR Central Files
J. B. Henderson, CO
PDR
Local PDR
NSIC
R. L. Shannon, DTIE



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April 28, 1972

J. G. Keppler, Chief, Reactor Testing and Operations Branch
Division of Compliance, Headquarters

WISCONSIN PUBLIC SERVICE CORPORATION (KEWAUNEE)
DOCKET NO. 50-305

The attached report covering a routine, unannounced inspection is forwarded for information. No items of noncompliance were identified during the inspection.

A draft of the QA program is expected to be completed about May 1, 1972.

The licensee has not completed and/or evaluated the results of any preoperational tests to date.

D. M. Hunnicutt
D. M. Hunnicutt
Senior Reactor Inspector

Attachment:
CO Rpt No. 050-305/72-06 by
C. D. Feierabend

cc: J. B. Henderson, CO
E. G. Case, DRS (3)
R. S. Boyd, DRL (2)
R. C. DeYoung, DRL (2)
D. J. Skovholt, DRL (3)
H. R. Denton, DRL (2)
L. Kornblith, CO
R. H. Engelken, CO
CO Files
DR Central Files

U. S. ATOMIC ENERGY COMMISSION
DIVISION OF COMPLIANCE

REGION III

CO Inspection Report No. 050-305/72-06

Subject: Wisconsin Public Service Corporation
Kewaunee Nuclear Power Plant
Kewaunee, Wisconsin

License No. CPPR-50
Priority: N/A
Category: B

Type of Licensee: PWR - 560 MWe (Westinghouse)

Type of Inspection: Routine, Announced

Dates of Inspection: April 3-5, 1972

Dates of Previous Inspection: February 24 and 25, 1972

Principal Inspector: *C. D. Feierabend*
C. D. Feierabend

4/28/72
(Date)

Accompanying Inspectors: None

Other Accompanying Personnel: None

Reviewed By: *D. M. Hunnicutt*
D. M. Hunnicutt, Senior Reactor Inspector

4/28/72
(Date)

Proprietary Information: None

SECTION I

Enforcement Action: None

Licensee Action on Previously Identified Enforcement Matters: None

Unresolved Items

Plant response to loss of instrument air. (Paragraph 6)

Status of Previously Reported Unresolved Items

Operation and maintenance of equipment. Resolved. (Management Interview)

Unusual Occurrences: None

Persons Contacted

Wisconsin Public Service Corporation (WPS)

*C. Giesler, Superintendent, Nuclear Power
*C. Luoma, Plant Superintendent
*R. Lange, Assistant Plant Superintendent
H. Bundy, Operating Procedures Coordinator
*T. Meinz, Startup Group Test Coordinator
W. White, Startup Group Test Engineer
D. Hintz, Startup Group Test Engineer
R. Pawlowsky, Startup Group Test Engineer
R. Hirst, Maintenance Supervisor
J. Bly, Shift Supervisor

* Attended Management Interview.

Management Interview

A meeting with WPS management was held at the conclusion of the inspection.

The inspector stated that the purpose of this inspection was to review the status of preoperational testing, the status of the plant operating manual, and the startup program manual.

The inspector stated that he reviewed one preoperational test procedure in draft form, and had discussed his comments with the cognizant engineer. The inspector stated that he had reviewed test results of portions of two preoperational tests and discussed his findings with the cognizant engineers. The inspector stated that the tests were not considered to be complete until the licensee review was complete and documented. Mr. Mainz stated that this is also the licensee's position. Mr. Mainz also stated that although those tests that have been performed are complete with exception of resolving any deficiencies and final evaluations may be shown as "complete" for scheduling purposes, they are not complete until all evaluations have been performed.

Mr. Mainz stated that test engineers are currently reviewing FSAR commitments to assure that the test program will fulfill all commitments.

In response to questions concerning the status of a QA Program for operations, Mr. Giesler stated that a manual had been prepared in draft form, and that it should be in final form about April 20, 1972.

The inspector stated that his review of the Plant Operations Manual was primarily to determine the scope and organization of the operating procedures. He stated that the table of contents (Preliminary) for the Nuclear Supply Systems appears to be well organized. The table of contents for balance of plant was not yet complete.

The inspector stated that the revision to the startup program manual clarified assignment responsibilities for review of test procedures, but that it was not clear that there were provisions for assuring full conformance with the requirements of 10 CFR 50, Appendix B. Mr. Giesler stated that the current QA Procedures Manual would provide the necessary QA functions for preoperational testing, and that the off-site committee had been established so that independent audits can be scheduled.

The inspector stated that his observations of procedures available in the control room and the maintenance records being prepared indicated that the licensee was responsive to discussions concerning deficiencies observed in these areas during the previous inspection.

The inspector stated that his review of the preoperational test schedule did not identify a test for plant response to loss of instrument air, and asked where in the test program this will be performed. Mr. Giesler stated that such a test would be performed but that he was not certain of the scope of testing planned. The inspector stated that the test is included in an AEC Guide and that the inspector will examine the scope of instrument air system testing during a subsequent inspection.

SECTION II

Additional Subjects Inspected, Not Identified in Section I, Where No Deficiencies or Unresolved Items Were Found

1. General

Preoperational testing, to date, has been limited to electrical systems and a portion of the turbine oil system. Two tests have been completed, except for resolution of deficiencies and evaluation of test results.

2. Control Room Operating Log

3. Hold Card Log

4. Maintenance Records

Details of Subjects Discussed in Section I

5. Preoperational Test Procedure (Draft) PT-ASV-01 - Auxiliary Building Zone Special Ventilation System

The procedure reviewed was a draft which was being revised for review and comment by the licensee. The draft did not include provisions for verifying all testing described in the FSAR.

- a. Demonstration of integrity of Zone Special Ventilation (SV) perimeter. (FSAR pages 9.6-18 and 9.6-23)
- b. Limiting total leakage area in Zone SV for one filter train operation. (FSAR page 9.6-23)

Additionally, the inspector discussed verification of vendor and construction test records for assurance that all of the testing described in the FSAR, Section 9.6 - Reliability and Testing - has been completed. The test engineer stated that some of the inspectors comments had already been included in the first revision to the test procedure and that all of the comments would be included in the test program, either as test revision or as supplemental tests.

6. Plant Response to Loss of Instrument Air

Review of the preoperational testing schedule did not identify a test for plant response to loss of instrument air. This test is one of the tests listed in an AEC guide^{1/} used in planning the test program. The licensee stated that the scope of this testing had not yet been established. Also, the licensee had not yet determined where in the test program this test would be included. The inspector stated that the test should be performed as early in the test program as practicle to obtain meaningful results.

^{1/} Guide for the Planning of Preoperational Testing Programs, USAEC, dated December 7, 1970.