



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

CENTRAL FILES

OCT 14 1977

Docket No. 50-305

Wisconsin Public Service
Corporation
ATTN: Mr. E. W. James
Senior Vice President
Power Generation and
Engineering
Post Office Box 1200
Green Bay, WI 54305

Gentlemen:

This refers to the inspection conducted by Mr. J. L. Barker of this office on October 3-6, 1977, of activities at Kewaunee Nuclear Power Plant authorized by NRC Operating License No. DPR-43 and to the discussion of our findings with Mr. C. R. Luoma and others of your staff at the conclusion of the inspection.

The enclosed copy of our inspection report identifies areas examined during the inspection. Within these areas, the inspection consisted of a selective examination of procedures and representative records, observations, and interviews with personnel.

No items of noncompliance with NRC requirements were identified during the course of this inspection.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and the enclosed inspection report will be placed in the NRC's Public Document Room, except as follows. If this report contains information that you or your contractors believe to be proprietary, you must apply in writing to this office, within twenty days of your receipt of this letter, to withhold such information from public disclosure. The application must include a full statement of the reasons for which the information is considered proprietary, and should be prepared so that proprietary information identified in the application is contained in an enclosure to the application.

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Wisconsin Public Service
Corporation

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OCT 14 1977

We will gladly discuss any questions you have concerning this inspection.

Sincerely,

Gaston Fiorelli, Chief
Reactor Operations and
Nuclear Support Branch

Enclosure: IE Inspection
Report No. 50-305/77-17

cc w/encl:
Mr. C. Luoma, Plant
Superintendent
Central Files
Reproduction Unit NRC 20b
PDR
Local PDR
NSIC
TIC

OFFICE →	RIII ■	RIII	RIII	RIII		
SURNAME →	<i>Jm</i> Barker/Is	Little <i>Jm</i>	Fiorelli	Hunter <i>OK</i>		
DATE →	10/12/77		<i>SK</i>			

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

REGION III

Report No. 50-305/77-17

Docket No. 50-305

License No. DPR-43

Licensee: Wisconsin Public Service
Corporation
Post Office Box 1200
Green Bay, WI 54305

Facility Name: Kewaunee Nuclear Power Plant

Inspection At: Kewaunee Site, Kewaunee, WI

Inspection Conducted: October 3-6, 1977

Inspector: *J. L. Barker*
J. L. Barker

10/13/77

Approved By: *W. S. Little*
W. S. Little, Chief
Nuclear Support Section

10/13/77

Inspection Summary

Inspection on October 3-6, 1977 (Report No. 50-305/77-17)

Areas Inspected: Routine, unannounced inspection of training and retraining of licensed and nonlicensed personnel, licensed operator requalification training, work control procedures, quality assurance surveillance, design change controls, emergency procedures, and a tour of the facility. The inspection involved 21 inspector-hours onsite by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

DETAILS

1. Persons Contacted

- *C. Luoma, Plant Superintendent
- *C. Steinhardt, Assistant Superintendent, Operations
 - A. Ruege, Plant Performance Engineer
- *D. Ristau, Training Supervisor (Fire Marshall)
- *M. Marchi, Nuclear Systems Engineer (Corporate)
- *G. Ruiter, Nuclear Engineer (Corporate)

The inspector also interviewed eight (8) other licensee employees, including a female receptionist, a shift supervisor, two I&C technicians, two maintenance personnel, an auxiliary operator, and a control operator.

*Denotes those present at the exit interview.

2. Training

The training program was reviewed to ascertain whether the overall training activities for new employees and the retraining for non-licensed personnel are in conformance with Technical Specification requirements and commitments in the FSAR. The inspector verified that formal training or retraining programs have been established for new employees, temporary or service personnel, nonlicensed/ licensed personnel, technicians, and craft personnel; that the formal training program for personnel listed above covers administrative controls and procedures, radiological health and safety, and industrial safety, controlled access and security procedures, emergency plan; that the retraining program for technician and craft personnel includes on-the-job training, formal technical training, and fire fighting training; that responsibilities have been assigned to assure that training program requirements have been met; and that all female employees are provided instructions concerning prenatal radiation exposure.

The inspector reviewed licensee procedures ACD 13.1, "Training Records," ACD 13.2, "Fire Brigade Training," and ACD 13.3, "Operator Training." The inspector also reviewed the licensee's approved Hot License Training Program. The inspector noted that, although the licensee has implemented a formal training program, there are no Administrative Control Directives requiring the

implementation. The inspector also noted that there is no formal Quality Assurance training. The licensee's representative indicated that these minor discrepancies should be corrected when the licensee QA program is approved and fully implemented. The inspector noted that there are no on-the-job training records maintained, which are recommended by ANSI N18.1, 1971. He stated that if such records were maintained, the licensee's training program would be more auditable. The inspector noted that the licensee's new program for maintenance personnel technical retraining has not been implemented. The licensee's representative indicated that the program should be fully implemented by January 1978.

No items of noncompliance or deviations were identified.

3. Licensed Operator Requalification Training

The requalification program was reviewed to ascertain whether the licensed operator requalification training program is effective and in conformance with Regulatory requirements. The inspector verified that an operator requalification training program has been established and includes preplanned lectures, attendance documentation, and identification of specific training aids to be used in lieu of an instructor; the on-the-job training requirements have been specified to include control manipulations, discussion/review of changes in facility design, procedures, and license; and that records of licensed individuals are maintained to include completed course and yearly examinations, documentation of manipulations, documentation of required simulations of emergency and abnormal conditions, results of supervisory evaluations of examinations, results of supervisory evaluations, and observation of manipulations and simulations identified above, documentation of individual study, and documentation of accelerated requalification training.

The inspector reviewed the licensee's Operator Requalification Program. The licensee's representative indicated that the licensee intended to take credit for requalification training at an approved simulator when Operator Licensing Branch of Nuclear Reactor Regulations has reviewed and approved his program.

No items of noncompliance or deviations were identified.

4. Work Control Procedures

The inspector verified that work control procedures, defining requirements for operations personnel approval and controlling of all construction, modification, and maintenance activities performed within the operating plant boundary or within proximity of vital equipment, have been developed as part of the operating plant administrative procedures; that work control procedures require special authorization for activities involving welding, open flame, or other ignition sources; and that work control procedures for construction, modification, or maintenance activities require a fire watch with capability for communication with the control room if an activity involving welding, open flame, or other ignition sources is to be performed in the proximity of flammable material, cable trays, or vital process equipment.

The inspector reviewed licensee procedures ACD 3.6, "Material Storage," ACD 3.8, "Nonconformance Reports," ACD 4.2, "Operating Procedures," ACD 5.2, "Maintenance Procedures," ACD 5.4, "Work Request," and ACD 7.3, "Instrumentation and Control Procedures."

No items of noncompliance or deviations were identified.

5. Quality Assurance Surveillance

The inspector verified that quality assurance procedures have been established requiring periodic audit of work authorizations for construction, modification, and maintenance activities; that quality assurance surveillance is periodically performed during construction, modification, and maintenance activities to assure proper operations personnel authorization and conformance with established controls; and that if any cable penetration seals have been installed, replaced, or modified, a quality assurance verification was performed to confirm seal material was not flammable.

The inspector reviewed licensee procedures ACD 8.6, "Surveillance Procedures," QAD 11.2, "Nonconformance and Corrective Action Control," and QAD 14.1, "Audits."

No items of noncompliance or deviations were identified.

6. Design Change Controls

The inspector verified that administrative controls exist, and are adhered to, which assure that flammable materials are not used in any plant cable penetrations or fire stops.

The inspector reviewed licensee procedures ACD 8.5, "Plant Modifications," ACD 8.7, "Engineering Specifications," and ACD 8.9, "Implementation of Minor Modification."

No items of noncompliance or deviations were identified.

7. Emergency Procedures

The inspector verified that emergency procedures for fire fighting have been written and that emergency procedures insuring that alternate methods for accomplishing an orderly plant shutdown and cooldown are provided in areas of loss of normal and preferred alternative coolant supply systems.

The inspector reviewed licensee procedures ACD 12.2, "Fire Emergency," N-FP-08, "Fire Protection System," N-FP-08-CL, "Fire Protection System Checklist," E-FP-08, "Emergency Operating Procedure-Fire," and E-0-06, "Control Room Inaccessibility."

No items of noncompliance or deviations were identified.

8. Facility Inspection

The inspector reviewed the results, recommendations, and followup of the latest insurance company fire inspection. The inspector toured the facility in the company of the licensee's representative to examine fire alarms, extinguishing equipment actuating controls, and fire fighting equipment for operability and to identify any fire hazards. The inspector reviewed plant records of fire drills conducted and their results.

No items of noncompliance or deviations were identified.

9. Exit Interview

The inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on October 6, 1977. The inspector summarized the scope and findings of the inspection.