

7/13/73

50-305

R. C. DeYoung, Assistant Director for PWRs, L
THRU: Karl Kniel, Chief, PWR Project Branch No. 2, L

SITE VISIT AND MEETING, KEWAUNEE NUCLEAR POWER PLANT

Enclosed is a summary of a visit to the Kewaunee Nuclear
Power Plant and discussions with representatives of the applicant
on July 9-10, 1973.

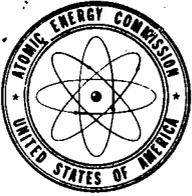
L. P. Crocker, Project Manager
Directorate of Licensing

**Enclosure:
Visit and Meeting Summary**

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SURNAME ▶	LCrocker:ng	KKniel				
DATE ▶	7/12/73	7/13/73				



UNITED STATES
ATOMIC ENERGY COMMISSION

WASHINGTON, D.C. 20545

July 13, 1973

R. C. DeYoung, Assistant Director for PWRs, L
THRU: Karl Kniel, Chief, PWR Project Branch No. 2, L *KK*

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A handwritten signature in cursive script, reading "L. P. Crocker", is positioned above the typed name.

L. P. Crocker, Project Manager
Directorate of Licensing

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ENCLOSURE

SITE VISIT AND MEETING
KEWAUNEE NUCLEAR POWER PLANT

July 9-10, 1973

I met with Mr. Carl Giesler, Superintendent of Nuclear Power for the Wisconsin Public Service Corporation, during the afternoon of July 9. The principal items discussed are summarized below:

Water Quality Certificate - The State of Wisconsin currently is in the process of issuing a new Water Quality Certificate for the Kewaunee plant. This will replace an earlier version issued by the State, which did not fully meet our requirements. The new certificate should be submitted to us within about 2 weeks.

Extension of Construction Permit - The CP for Kewaunee expires on August 31, 1973. While the plant schedule calls for completion and being ready to load fuel by this date, last minute problems could arise which would preclude issuing an OL by August 31. The applicant intends to request a CP extension within the next week or so such that if the OL cannot be issued by August 31, he would at least be covered for an extension of the CP. I agreed with this approach.

Annual Financial Reports - I requested that annual reports for 1972 be submitted for each of the three utilities participating in the Kewaunee plant. I further informed the applicant that they should plan to submit such reports annually for the duration of the licensed plant activities.

Technical Specifications - We discussed revisions to the Technical Specifications required to incorporate the changes due to fuel densification. Several items still need to be resolved, but we should have a final Technical Specification available by early August.

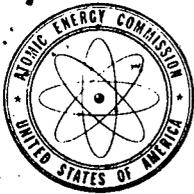
Operating License- I discussed the contents of the draft of the operating license to assure that we are incorporating all of the materials previously covered by separate by-product and special nuclear materials licenses for the Kewaunee plant. The applicant will verify these items and let me know.

Steam Line Sketches - Per request from J. Hendrie (copy attached) for sketches of the steam line break "fixes" for Kewaunee, I asked the applicant to provide such sketches and he promised to do so.

On July 10, I visited the Kewaunee site, where I spent several hours touring the plant, with the prime purpose of observing progress to date on the "fixes" for the high-energy line break, and about an additional hour in discussions with Mr. Giesler, Mr. Louma, Plant Superintendent, and several members of Mr. Louma's staff.

Plant modifications to protect against the effects of possible high-energy line ruptures are well underway. The major work of relocating all or parts of various lines so as to avoid the Special Ventilation Zone of the auxiliary building (see my memo to R. C. DeYoung, dated June 13, 1973) has been completed. Installation of impingement shields around the piping, where necessary, is underway. Installation of special door seals is underway as is sealing of openings into the special ventilation zone where piping previously penetrated. The new intake ducts for the diesel generators has been installed and appears to be essentially complete. The compartment around the steam-driven auxiliary feedwater turbine has form work and reinforcing steel in place and should be ready for the concrete pour within a few days. Overall, my impression is that the modification should be complete, or essentially so, by the time the plant is ready for fuel loading.

The hot functional testing is due to start about July 22 and should be completed by about mid-August. Oral examination of the operators for their cold licenses is scheduled for late August. Leak rate testing and functional testing of the shield building and auxiliary building special ventilation systems still has to be accomplished. While the entire pre-op testing program could be completed and the plant readied for fuel loading by August 31, I would judge that an additional week or so might be necessary.



UNITED STATES
ATOMIC ENERGY COMMISSION

WASHINGTON, D.C. 20545

July 3, 1973

NOTE TO L. Crocker

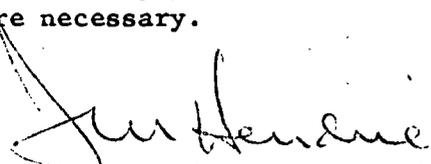
A while back, June 13, 1973, you sent a note to DeYoung on the Kewaunee steam line fixes, as reported by the applicant to the ACRS.

I want to use that information as the basis for a report the Commission has requested on progress in the steam line break problem.

Could we get some sketches from the applicant to illustrate the fixes? Something along the following line, suitable for reduction to 8 x 10 1/2-inch page size:

- a. Plan view showing relocation of the feedwater lines to avoid the rod drive equipment and special ventilation zone (item 2. in your note).
- b. Sketches of one or two of the steam line pipe whip restraints (your item 9.).
- c. Sketch of one of the encapsulation sleeves on the main steam line (your item 12.).
- d. A sketch or two of parts of the impingement barriers around the lines referred to in your item 13.

You may not be able to get exactly the kind of simple illustration we need: see what the applicant can supply and we will arrange to redraw the material to suit where necessary.


Joseph M. Hendrie, Deputy Director
for Technical Review
Directorate of Licensing

cc: K. Kniel
R. DeYoung
R. Boyd