

Ray Smith
Reactor Project Branch #5, DRL
THRU: ~~Ray~~ Dudley Thompson, Chief
Operational Safety Branch, DRL

February 1, 1968

Ralph A. Birkel
Operational Safety Branch, DRL

REVIEW OF WISCONSIN PUBLIC SERVICE CORP. - KEWAUNEE PLANT
DOCKET NO. 50-305

- References: (1) P. A. Morris memorandum, Dec. 6, 1967,
regarding captioned subject review schedule.
(2) R. A. Birkel memorandum, Dec. 6, 1967,
regarding captioned subject.

Reference (1) indicated the Reactor Operations review assignments. Reference (2) provided considerations and comments based upon the applicant's initial submission. We have now received additional information which only partially answers our questions and concerns indicated in reference (2). We will require additional information in the following specific areas.

- (1) "Describe the program for training the Kewaunee management and operating staff. Include a discussion of subjects to be included, an outline in chart form of the training and time schedule and show and detail the interrelationship and responsibilities of the WPS training program with Westinghouse, NUS, Pioneer Engineering, the University of Wisconsin and others, as appropriate."

For RP's information we have attached what can be considered to be a typical training schedule. Regarding Figure 12-2 (revised 1/2/68) it is quizzical to note that the technical support group in the person of the Kewaunee Nuclear Engineer (an engineering graduate as well as a senior reactor operator) is responsible for administrative services (clerks, stockroom, janitors and security staff).

- (2) "Discuss the direct control and responsibility and authority of WPS in the design, fabrication, installation and construction of the Kewaunee Plant. Include such aspects as acceptance criteria, preoperational testing, initial startup and supervisory functions to be performed by WPS general office and site and show, in chart form, the organizational structure to be used in the construction of the plant and the interrelationships that will exist between WPS and its contractors."

OFFICE ▶					
SURNAME ▶					
DATE ▶					

R. Smith

- 2 -

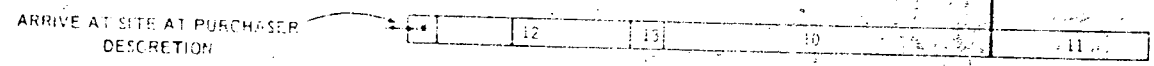
February 1, 1968

- (3) We find the new section 12.7, Emergency Plans, to be adequate for CP stage review. Regarding this subject however, we would request discussion of Criterion 11, Control Room (pg. K-11-1) with RP and perhaps the applicant.

cc: D. J. Skovholt, DRL

OFFICE ▶	OSB:DRL <i>JSB</i>	OSB:DRL <i>DD</i>				
SURNAME ▶	RBirkel:cl	DThompson				
DATE ▶	2/1/68	2/1/68				

POSITION	MONTHS PRIOR TO FUEL LOADING													MONTHS FOLLOWING									
	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	1	2	3
PLANT SUPERINTENDENT																							
ASSISTANT SUPERINTENDENT																							
TECHNICAL SUPERVISOR																							
NUCLEAR ENGINEER																							
HEALTH PHYSICIST																							
CHEMICAL ENGINEER																							
ELECTRICAL ENGINEER																							
INSTRUMENT ENGINEER																							
SHIFT SUPERVISOR A																							
" " B																							
" " C																							
" " D																							
" " E																							
SR. CONTROL OPR. A																							
" " B																							
" " C																							
" " D																							
" " E																							
CONTROL OPERATORS (5)																							
MAINTENANCE SUPERINTENDENT																							
ALL OTHERS (Technicians, Maintenance Personnel and Operations Personnel)																							



1. SUGGESTED PERIOD OF OBSERVATION AT OPERATING NUCLEAR POWER PLANT - FWR - min. 2 months on shift.
2. BASIC NUCLEAR COURSE
3. FWR TECHNOLOGY COURSE
4. OPERATOR TRAINING AT NUCLEAR POWER PLANT TRAINING CENTER
5. PLANT FAMILIARIZATION PERIOD COUPLED WITH OPERATING PROCEDURE WRITING AND GIVING TRAINING TO JUNIOR MEMBERS OF THE PLANT STAFF
6. FUEL MANAGEMENT COURSE
7. RADIATION PROTECTION COURSE
8. RADIO-CHEMISTRY COURSE
9. CONTROL AND INSTRUMENT COURSE
10. PRE-OPERATIONAL TESTING AND CHECK-OUT OF PLANT OPERATING PROCEDURES.
11. FUEL LOADING AND STARTUP TESTING
12. PLANT AND NUCLEAR FAMILIARIZATION COURSE GIVEN BY SENIOR PLANT STAFF
13. RADIATION SAFETY COURSE GIVEN BY PLANT HEALTH PHYSICIST

* ARRIVAL AT SITE