

DES MS 016

AUG 13 1982

Docket No. 50-266

Mr. C. W. Fay  
Assistant Vice President  
Wisconsin Electric Power Company  
231 West Michigan Street  
Milwaukee Wisconsin 53201

Dear Mr. Fay:

Enclosed is our formal transmittal of an additional information request regarding the Adequacy of Station Electric Distribution System Voltage for Point Beach Nuclear Plant, Units 1 and 2. This information request was first transmitted to your staff during a telephone conference dated July 16, 1982 and followed by telecopy on August 9, 1982. In order for our staff to complete its review by the end of fiscal year 82 as presently scheduled, it is requested that you respond to the enclosed information request by telecopy as soon as practicable but in no case later than 20 days following receipt of this letter. We also request that you follow up you telecopied response in writing.

DISTRIBUTION  
Docket File  
Local PDR  
ORB Rdg  
D.Eisenhut  
OELD  
OI&E (1)  
RAClark  
PKreutzer(3)  
Tech Branch  
RFerguson  
NSIC  
ACRS (10)  
Gray File  
TColburn  
RDudley  
RPrevatte

Sincerely,

Original signed by  
Robert A. Clark

Robert A. Clark, Chief  
Operating Reactors Branch #3  
Division of Licensing

Enclosure:  
Additional Information  
Request

cc: See next page

8209130350 820813  
PDR ADOCK 05000266  
P PDR

OFFICE	DL:ORB#3	DL:ORB#3	DL:ORB#3			
SURNAME	PKreutzer	TColburn:dd	RAClark			
DATE	8/1/82	8/13/82	8/13/82			

Wisconsin Electric Power Company

cc:

Mr. Bruce Churchill, Esquire  
Shaw, Pittman, Potts and Trowbridge  
1800 M Street, N. W.  
Washington, D. C. 20036

Mr. William Guldemon  
USNRC Resident Inspectors Office  
6612 Nuclear Road  
Two Rivers, Wisconsin 54241

Joseph Mann Library  
1516 Sixteenth Street  
Two Rivers, Wisconsin 54241

Mr. Glenn A. Reed, Manager  
Nuclear Operations  
Wisconsin Electric Power Company  
Point Beach Nuclear Plant  
6610 Nuclear Road  
Two Rivers, Wisconsin 54241

Mr. Gordon Blaha  
Town Chairman  
Town of Two Creeks  
Route 3  
Two Rivers, Wisconsin 54241

Ms. Kathleen M. Falk  
General Counsel  
Wisconsin's Environmental Decade  
114 N. Carroll Street  
Madison, Wisconsin 53703

U. S. Environmental Protection Agency  
Federal Activities Branch  
Region V Office  
ATTN: Regional Radiation  
Representative  
230 S. Dearborn Street  
Chicago, Illinois 60604

Chairman  
Public Service Commission of Wisconsin  
Hills Farms State Office Building  
Madison, Wisconsin 53702

Regional Administrator  
Nuclear Regulatory Commission, Region III  
Office of Executive Director for Operations  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

REQUEST FOR ADDITIONAL INFORMATION

POINT BEACH NUCLEAR PLANTS, UNITS 1 AND 2

Docket Nos. 50-266 and 50-301

SUBJECT: ADEQUACY OF STATION ELECTRIC DISTRIBUTION VOLTAGES

- Ref. 1: Wisconsin Electric Power Company letter (Sol Burstein) to the NRC, dated June 1, 1981.
- Ref. 2: Wisconsin Electric Power Company letter (Sol Burstein) to the NRC, dated June 1, 1982.
- Ref. 3: Telcom July 16, 1982 between Wisconsin Electric Power Company, NRC, and LLNL personnel.
- Ref. 4: NRC generic letter to all licensees, dated August 8, 1979.

In the telcom of July 16, 1982 (Ref. 1), several items were left to be clarified. The following are the items where additional information is needed to close out this subject:

1. Ref. 1, Page 4 provided the results of a verification test. The NRC generic letter (Ref. 4) requested that a verification include a comparison of measured terminal voltages versus calculated terminal voltage. The following is additional guidance for clarifying the testing or verification required:
  - A. Load the station distribution buses, including all Class 1E buses down to the 120/208-volt level to at least 30%.
  - B. Record the existing grid and Class 1E bus voltages and bus loading down to the 120/208-volt level at steady state condition.
  - C. Using the analytical techniques and assumptions of the original voltage analysis (Ref. 2 or Ref. 1) and the measured existing grid voltage and bus loading conditions recorded during the conduct of the test, calculate a new set of voltages for all the Class 1E buses down to the 120/208-volt level.
  - D. Compare the analytically derived voltage values against the test results. In general, the test results should not be more than 3% lower than the analytical results.
2. Reference 4 requests that all possible power sources should be analyzed. Submit an analysis that shows that all Class 1E equipment will be within ratings under the previously defined conditions of minimum grid voltage/maximum load after the loss of one low voltage transformer for the condition of an accident in one unit and an orderly shutdown of the second unit.
3. Transformers 1X04 and 2X04 are positioned relatively close to each other. Show that a fire or similar catastrophe in or near one transformer causing the loss of that transformer will not cause the loss of the other transformer.