

DCS MS-016

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Docket Nos. 50-266
and 50-301

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

Dear Mr. Fay:

We have recently received an updated version of your FSAR for the Point Beach Nuclear Plant Units 1 and 2 by letter dated July 21, 1982. A review of certain accident analyses contained in the FSAR has prompted NRC staff to request the information contained in the enclosure. Our concerns relate to the Locked Rotor Accident Analysis and also discrepancies between the LOCA analysis contained in the updated FSAR and the previously approved LOCA reanalysis contained in your letter of November 19, 1979. This request has been informally transmitted to your staff.

As these accident analyses are frequently referenced in support of proposed licensing actions, your response is requested by November 12, 1982.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Please contact us if you have any questions concerning this request.

Sincerely,

Original signed by
 Robert A. Clark

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

Enclosure:
 Request for Additional
 Information

cc w/enclosure:
 See next page

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 P PDR

OFFICE	ORB#3:DL	ORB#3:DL	ORB#3:DL			
SURNAME	PMKreutzer	TColburn/pn	RAClark			
DATE	10/22/82	10/25/82	10/22/82			

Wisconsin Electric Power Company

cc:

Mr. Bruce Churchill, Esquire
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Two Rivers, Wisconsin 54241

Joseph Mann Library
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Mr. Glenn A. Reed, Manager
Nuclear Operations
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Point Beach Nuclear Plant
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Two Rivers, Wisconsin 54241

Mr. Gordon Blaha
Town Chairman
Town of Two Creeks
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Ms. Kathleen M. Falk
General Counsel
Wisconsin's Environmental Decade
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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 INFORMATIONPOINT BEACH UNITS 1 AND 2

1. With respect to the Locked Rotor Analyses in the FSAR, provide the following information.
 - a. Submit justification for assuming a 0.9 second time interval between the time of pump seizure and the beginning of control rod motion as described on page 14.1.8-6 of the FSAR.
 - b. Was credit taken for pressurizer sprays during the accident analysis? If so, what is the peak pressure expected without pressurizer spray actuation?
 - c. Justify the availability of off-site power during the transient and the continued operation of one reactor coolant pump.
 - d. Westinghouse report WCAP 8151, dated June of 1973 provides the results of the locked rotor analyses at low pressure and indicates that 63% of the fuel rods reach a DNBR of less than 1.3. This transient lasts for a few seconds. Provide the results of site boundary dose calculations for this condition.
2. A comparison of the Point Beach 1 and 2 LOCA analysis contained in the updated FSAR was made with a NRC previously approved analysis submitted by your staff by letter dated 11/19/79. Some inconsistencies exist. Please fill in the missing numbers in the table below and indicate which analysis is the most current.

Comparison of Point Beach LOCA Analysis

<u>Assumptions:</u>	Reference 1*	Reference 2*
Power, %	102	102
T _{ave}	-	-
Core Inlet Temp.	-	544°
Pressure	-	2250
% tubes plugged	18	18
Peaking Factor	2.32	2.32
<u>Results:</u>		
PCT @ C _D =0.4	2007°	2053°
Clad/H ₂ O reaction %		
- max local	3.6	5.11
- total	<0.3	<0.3
PCT Correction for Upper Plenum Injection	60°	60°

* Reference 1. Point Beach 1 and 2 updated FSAR

* Reference 2. Letter WEPCO to NRC, 11/19/79, transmitting LOCA reanalysis with 18% of steam generator tubes plugged for Point Beach 1.