Wisconsin Electric POWER COMPANY
231 W. MICHIGAN, P.O. BOX 2046, MILWAUKEE, WI 53201

September 16, 1982

Mr. H. R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. NUCLEAR REGULATORY COMMISSION
Washington, D. C. 20555

Attention: Mr. R. A. Clark, Chief
Operating Reactors Branch 3

Gentlemen:

DOCKET NOS. 50-266 AND 50-301
SUBMITTAL OF OUTSTANDING INFORMATION
NUREG-0612, CONTROL OF HEAVY LOADS
POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2

Your letters dated December 22, 1980 and February 3, 1981 requested that Wisconsin Electric Power Company review the handling of heavy loads at the Point Beach Nuclear Plant and provide information as requested in Enclosure 2 to the December 22 letter. Our transmittals of September 30, 1981 and January 11, 1982 submitted our six and nine-month responses, respectively, which included the majority of the information requested in your letters. Our February 25, 1982 letter provided a proposed schedule for the completion of those outstanding information items.

Enclosed for your review is Wisconsin Electric's response to NRC Question Attachment 1-1, "Manufacturer and Design Information on Single-Failure-Proof Cranes". This information is provided in the form of a revised page 3 for inclusion in our nine-month response.

Also enclosed for your review is a revised response to NRC Question Attachment 1-5, "Interfacing Lift Point Evaluation".

A033

This information is provided in the form of a revised Appendix D for inclusion in our nine-month response.

Please contact us if you have any questions.

Very truly yours,

C. W. Fay

Assistant Vice President

C. W. Fay

Enclosures

Copy to NRC Resident Inspector

Subscribed and sworn to before me
this 16th day of September 1982.

Dorothy J. Eischmann
Notary Public, State of Wisconsin

My Commission expires July 1, 1984.

2.3 NRC QUESTION 2.2-3

Identify any cranes listed in 2.2-1, above, which you have evaluated as having sufficient design features to make the likelihood of a load drop extremely small for all loads to be carried and the basis for this evaluation (i.e., complete compliance with NUREG-0612, Section 5.1.6 or partial compliance supplemented by suitable alternative or additional design features). For each crane so evaluated, provide the load-handling-system (i.e., crane load-combination) information specified in Attachment 1.

RESPONSE

The auxiliary building crane will be modified to meet the guidelines of NUREG-0612, Section 5.1.6, or partial compliance supplemented by suitable alternatives or additional design features. Dependent upon equipment delivery, it is expected that the auxiliary building crane upgrade modifications can be completed within two years.

The information requested on Single-Failure-Proof Handling Systems in Attachment 1 to the NRC letter of December 22, 1980, is provided below.

Information on Single-Failure-Proof Handling System

2.3.1 NRC QUESTION ATTACHMENT 1-1

Provide the name of the manufacturer and the design-rated load (DRL). If the maximum critical load (MCL), as defined in NUREG-0554, is not the same as the DRL, provide this capacity.

RESPONSE

Ederer Crane, a division of Ederer Incorporated, will be supplying a single-failure-proof replacement trolley for the auxiliary building crane. The trolley will be Ederer's X-SAM type and will have a Design Related Load (DRL) and Maximum Critical Load (MCL) of 100 tons.

2.3.2 NRC QUESTION ATTACHMENT 1-2

Provide a detailed evaluation of the overhead handling system with respect to the features of design, fabrication, inspection, testing, and operation as delineated in NUREG-0554 and supplemented by the identified alternatives specified in NUREG-0612, Appendix C. This evaluation must include a point-by-point comparison for each section of NUREG-0554. If the alternatives of NUREG-0612, Appendix C, are used for certain applications in

1202

APPENDIX D

Interface lift points were evaluated in accordance to NUREG-0612, Section 5.1.6 and the results are tabulated below in Table D1.

TABLE D1

EQUIPMENT	WEIGHT	MATERIAL/ UTS (KSI)	REQUIRED SAFETY FACTOR	CALCULATED SAFETY FACTOR
Concrete Hatch Covers	6,250	A-36/58	10	11.52
Large Filter Cask	5,000	A-36/58	10	17.40
Small Filter Cask	2,000	A-36/58	10	43.50
Resin Cask	48,000	A240 Type 304 /75	10	11.44
Spent Fuel Pool Gate (Watergate)	3,000	A-36/58	10	29.00

2