

April 15, 2005

Mr. Dennis Koehl  
Site Vice President  
Point Beach Nuclear Plant  
Nuclear Management Company, LLC  
6610 Nuclear Road  
Two Rivers, WI 54241-9516

SUBJECT: POINT BEACH NUCLEAR POWER PLANT, UNIT 2 - REQUEST FOR  
ADDITIONAL INFORMATION REGARDING LICENSING BASIS FOR  
CONTROL OF HEAVY LOADS (TAC NO. MC6729)

Dear Mr. Koehl:

During a planned inspection of your reactor vessel head replacement activities, the U.S. Nuclear Regulatory Commission (NRC) regional inspectors asked to review the head-drop analysis for the replacement head. In response, by letter dated April 12, 2005, you provided clarification of your licensing basis for control of heavy loads associated with the containment polar cranes and reactor vessel head replacement activities. On April 12, 2005, we requested you to provide information regarding adequate protection of public health and safety during the reactor vessel head movement activities. Subsequently, the NRC staff has had several telephone discussions with you regarding this subject.

The NRC staff has identified in the enclosure specific information needed to ensure adequate protection of public health and safety during the reactor vessel head movement activities. These questions were emailed to you on April 14, 2005. This letter documents these questions. Aldo Capristo of your staff agreed to provide responses to these questions by April 15, 2005.

If you have any questions regarding this matter, please call me at (301) 415-2429 or your Project Manager at (301) 415-4018.

Sincerely,

**/RA/**

L. Raghavan, Chief, Section 1  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-301

Enclosure: As stated

cc w/encl: See next page

April 15, 2005

Mr. Dennis Koehl  
Site Vice President  
Point Beach Nuclear Plant  
Nuclear Management Company, LLC  
6610 Nuclear Road  
Two Rivers, WI 54241-9516

SUBJECT: POINT BEACH NUCLEAR POWER PLANT, UNIT 2 - REQUEST FOR  
ADDITIONAL INFORMATION REGARDING LICENSING BASIS FOR  
CONTROL OF HEAVY LOADS (TAC NO. MC6729)

Dear Mr. Koehl:

During a planned inspection of your reactor vessel head replacement activities, the U.S. Nuclear Regulatory Commission (NRC) regional inspectors asked to review the head-drop analysis for the replacement head. In response, by letter dated April 12, 2005, you provided clarification of your licensing basis for control of heavy loads associated with the containment polar cranes and reactor vessel head replacement activities. On April 12, 2005, we requested you to provide information regarding adequate protection of public health and safety during the reactor vessel head movement activities. Subsequently, the NRC staff has had several telephone discussions with you regarding this subject.

The NRC staff has identified in the enclosure specific information needed to ensure adequate protection of public health and safety during the reactor vessel head movement activities. These questions were emailed to you on April 14, 2005. This letter documents these questions. Aldo Capristo of your staff agreed to provide responses to these questions by April 15, 2005.

If you have any questions regarding this matter, please call me at (301) 415-2429 or your Project Manager at (301) 415-4018.

Sincerely,  
**/RA/**

L. Raghavan, Chief, Section 1  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-301  
Enclosure: As stated  
cc w/encl: See next page

DISTRIBUTION:

PUBLIC OGC DClarke PD III-1 R/F LRaghavan  
HChernoff ACRS MPadovan SReynolds, RIII DLPM DPR

**ADAMS ACCESSION NUMBER: ML051050484** Pat Loudon concurrence by phone 4/15/05

OFFICE	PM:PDIII-1	PM:PDIII-1	LA:PDIII-1	SC:PDIII-1
NAME	MPadovan	HChernoff	DClarke	LRaghavan
DATE	4/15/05	4/15/05	4/15/05	4/15/05

**OFFICIAL RECORD COPY**

**Point Beach Nuclear Plant, Unit 2**

**Clarification of Licensing Basis for Control of Heavy Loads**

**Request for Additional Information**

**Docket No. 50-301**

Question 1

Is a reactor vessel head-drop analysis within the plant's current licensing basis? Please explain the basis for your position.

Question 2

Please explain how you have evaluated the potential for a head drop, and discuss your acceptance criteria.

Question 3

Provide a risk assessment based on the best information on initiating event frequency for a head-drop event. This assessment could be based on the WESTEC assessment, NUREG 1774, "A Survey of Crane Operating Experience at U.S. Nuclear Power Plants from 1968 through 2002," or other sources with technically-justified and explained adjustments based on Point Beach-specific information.

Question 4

If Point Beach intends to rely on the WESTEC assessment, please submit it to the NRC to be placed on your plant docket.

Question 5

Discuss the mitigation strategies and measures that are in place, or will be put in place, prior to the proposed head lift. This should include a discussion of how these strategies and measures are implemented. This discussion does not need to be limited to just the "worst case" scenario, and could include any available additional information concerning consequences of the head-drop evaluation that the NRC may use to broaden its understanding of likely head-drop scenarios.

Enclosure

Point Beach Nuclear Plant, Units 1 and 2

cc:

Jonathan Rogoff, Esquire  
Vice President, Counsel & Secretary  
Nuclear Management Company, LLC  
700 First Street  
Hudson, WI 54016

Mr. F. D. Kuester  
President & Chief Executive Officer  
WE Generation  
231 West Michigan Street  
Milwaukee, WI 53201

Regulatory Affairs Manager  
Point Beach Nuclear Plant  
Nuclear Management Company, LLC  
6610 Nuclear Road  
Two Rivers, WI 54241

Mr. Ken Duveneck  
Town Chairman  
Town of Two Creeks  
13017 State Highway 42  
Mishicot, WI 54228

Chairman  
Public Service Commission  
of Wisconsin  
P.O. Box 7854  
Madison, WI 53707-7854

Regional Administrator, Region III  
U.S. Nuclear Regulatory Commission  
801 Warrenville Road  
Lisle, IL 60532-4351

Resident Inspector's Office  
U.S. Nuclear Regulatory Commission  
6612 Nuclear Road  
Two Rivers, WI 54241

Mr. Jeffery Kitsembel  
Electric Division  
Public Service Commission of Wisconsin  
P.O. Box 7854  
Madison, WI 53707-7854

Nuclear Asset Manager  
Wisconsin Electric Power Company  
231 West Michigan Street  
Milwaukee, WI 53201

John Paul Cowan  
Executive Vice President & Chief Nuclear  
Officer  
Nuclear Management Company, LLC  
700 First Street  
Hudson, WI 54016

Douglas E. Cooper  
Senior Vice President - Group Operations  
Palisades Nuclear Plant  
Nuclear Management Company, LLC  
27780 Blue Star Memorial Highway  
Covert, MI 49043

Site Director of Operations  
Nuclear Management Company, LLC  
6610 Nuclear Road  
Two Rivers, WI 54241