

LICENSEE: Wisconsin Electric Power Company

October 23, 1995

FACILITY: Point Beach Nuclear Plant, Units 1 and 2

SUBJECT: SUMMARY OF OCTOBER 18, 1995, MEETING ON NEW REACTOR FUEL

On October 18, 1995, NRC staff members met in Rockville, Maryland, with representatives of Wisconsin Electric Power Company (WEPCO) and Westinghouse. The purpose of the meeting was for WEPCO and Westinghouse to present plans for the development of new reactor fuel, scheduled to be loaded in fall 1997. A list of meeting participants is included as Enclosure 1, and a copy of meeting handouts is provided as Enclosure 2.

The licensee opened the meeting with a project overview. The new design was described, and the philosophy behind the fuel upgrade was discussed. The licensee identified the benefits that would be realized through use of this fuel, including cost savings and reduced spent fuel requiring storage and disposal. WEPCo also noted that no new analysis techniques or components were being utilized in the design, though the particular combination of the different elements was unique.

Submittal and review schedules were then addressed. The project plan includes an aggressive schedule for the licensee, for Westinghouse, and for the NRC staff. Though the NRC staff offered that the schedule appeared to be reasonable, no commitments were made by the staff regarding ability to complete reviews by a specific date.

The meeting continued with Westinghouse describing the details of the design. This portion of the meeting was proprietary, and will not be described here.

The meeting closed with the licensee reiterating that the near-term success of this project depends on adherence to schedule by, and open communication between all parties.

Original signed by:

Allen G. Hansen, Project Manager
Project Directorate III-3
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

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PDR ADOCK 05000266
P PDR

Docket Nos. 50-266
and 50-301

- Enclosures: 1. List of Meeting Participants
- 2. WEPCO Handout

cc w/encls: See next page
DISTRIBUTION w/encl 1 and 2:

Docket File PDIII-3 Reading PUBLIC W. Axelson, RIII

DISTRIBUTION w/encl 1:

W. Russell/F. Miraglia B. McCabe, EDO R. Zimmerman
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Point Beach Nuclear Plant
Wisconsin Electric Power Company

Unit Nos. 1 and 2

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NRC MEETING WITH WISCONSIN ELECTRIC POWER COMPANY
AND WESTINGHOUSE
POINT BEACH UNITS 1 AND 2
NEW REACTOR FUEL
OCTOBER 18, 1995

<u>NAME</u>	<u>AFFILIATION</u>
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Shih-Liang Wu	NRC/DSSA
Larry Kopp	NRC/DSSA
Ed Kendrick	NRC/DSSA
Frank Orr	NRC/DSSA
Michael Baumann	WEPCo
Harv Hanneman	WEPCo
Mike Emery	Westinghouse
Sumit Ray	Westinghouse
Lamar Brown	Westinghouse

**Wisconsin Electric Power Company
Westinghouse Electric Corporation
*Point Beach Nuclear Plant Fuel Upgrade***

Introductory Comments

**Michael Baumann
Manager
Nuclear Fuel Services
Wisconsin Electric Power Company**

Wisconsin Electric Power Company
Westinghouse Electric Corporation
Point Beach Nuclear Plant Fuel Upgrade

- **Introductions**
 - **Wisconsin Electric**
 - **Westinghouse**
 - **NRC**
- **Overall Description of 14 x 14 Fuel Upgrade**
 - **0.422 inch diameter fuel rods**
 - **modified grid design**
 - **ZIRLOTM alloy cladding, guide thimbles, instrumentation tube, and mid-grids**
 - **Integral Fuel Burnable Absorber rods**

Point Beach Nuclear Plant Fuel Upgrade

- **Philosophy of Fuel Upgrade**
 - **Provides additional safety margin for LOCA, DNB, and Fuel Performance**
 - **Reduces number of spent fuel assemblies discharged**
 - **Provides economic savings**
 - **Additional flexibility in core reload management**
 - **Design utilizes components that have been successfully licensed and used in other fuel products**
 - **Analytical techniques for licensing of fuel product have been previously reviewed and approved by NRC**

Point Beach Nuclear Plant Fuel Upgrade

- **Schedule**
 - Utilize fuel upgrade in Unit 2, Fall 1997 Reload
 - At risk procurement of additional uranium, conversion, and enrichment
 - Minimize overall risk and maximize benefits with SER by August 1997

- **Expectations of Meeting**
 - Describe and ensure understanding of proposed schedule
 - Delineate benefits of new fuel product
 - Ensure proposal includes sufficient information for NRC prompt review and approval

Wisconsin Electric Power Company
Westinghouse Electric Corporation
Point Beach Nuclear Plant Fuel Upgrade

Summary

Point Beach Nuclear Plant Fuel Upgrade

- **Aggressive Schedule**
- **Benefits**
- **No new analysis techniques or components**
- **Two separate submittals**
- **Follow-up with NRC Project Manager to ensure NRC can support proposed schedule and to ensure proposed information is sufficient for prompt review and approval**