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VPNPD-94-065
NRC-94-044

June 29, 1994

Document Control Desk
U.S. NUCLEAR REGULATORY COMMISSION
Mail Station P1-137
Washington, DC 20555

Gentlemen:

DOCKET 50-266
REMOVAL OF FIFTH SURVEILLANCE CAPSULE
POINT BEACH NUCLEAR PLANT, UNIT 1

In accordance with the requirements of 10 CFR 50 Appendix H, "Reactor Vessel Material Surveillance Program Requirements," Wisconsin Electric Power Company (Licensee) hereby reports the withdrawal of the fifth surveillance capsule (Capsule P) from the Point Beach Nuclear Plant (PBNP), Unit 1. The surveillance capsule was removed from its holder on the reactor vessel thermal shield on April 9, 1994.

10 CFR 50 Appendix H specifies that reactor vessel surveillance programs be established and conducted in accordance with ASTM E 185-82. This ASTM standard provides the minimum requirements for reactor vessel surveillance programs, including requirements for testing. In accordance with ASTM E 185-82, PBNP Unit 1 is required to withdraw a minimum of five surveillance capsules; four over the life of the vessel and the fifth at the end of life (EOL) or at an accumulated fluence equivalent to one to two times the EOL vessel fluence. The materials in the first four capsules must be tested, but the ASTM standard allows the fifth capsule to be held without testing following removal.

Surveillance Capsule P is the fifth capsule to be withdrawn from PBNP Unit 1. It has received an estimated fluence of approximately 3.2×10^{19} n/cm² (E > 1.0 MeV). This fluence is equivalent to

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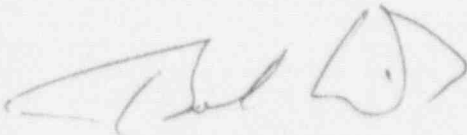
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approximately 1.3 times the projected peak vessel beltline fluence at EOL of 2.43×10^{19} n/cm². This capsule will be stored at PBNP without testing.

Please contact us should you have any questions regarding this submittal.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Bob Link', followed by a large, stylized flourish or checkmark-like mark.

Bob Link
Vice President
Nuclear Power

JRP/kmc

cc: NRC Regional Administrator, Region III
NRC Resident Inspector