Wisconsin Electric
POWER COMPANY

Point Beach Nuclear Plant
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NPL 97-0476

August 19, 1997

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

Ladies/Gentlemen:

DOCKET 50-301
SUPPLEMENTARY RESPONSE TO GENERIC LETTER 92-01
REVISON 1, SUPPLEMENT 1
POINT BEACH NUCLEAR PLANT, UNIT 2

Supplement 1 to NRC Generic Letter 92-01, Revision 1, "Reactor Vessel Structural Integrity," dated May 19, 1995, required addressees to identify, collect and report any new data pertinent to analysis of structural integrity of their reactor pressure vessels. It also required an assessment of the impact of this new data on reactor pressure vessel integrity analyses relative to the requirements of 10 CFR 50.60, 10 CFR 50.61, 10 CFR 50 Appendices G and H and any potential impact on low temperature overpressure protection (LTOP) or pressure-temperature (P-T) limits.

In a November 20, 1995, letter, Wisconsin Electric reported to the NRC that an effort to identify additional data relevant to Point Beach Unit 2 weld heat 21935 was being conducted by the Combustion Engineering Owners Group (CEOG) Reactor Vessel Working Group. This data has recently become available and we have performed an evaluation of its effect on reactor vessel integrity for Point Beach Unit 2.

For Point Beach Unit 2, the circumferential weld joining the intermediate and upper shell forgings was fabricated by Combustion Engineering (CE) and is identified as weld heat 21935. The CEOG performed research of data files and log books compiled by CE to identify any additional data relevant to reactor vessel integrity. The CEOG also evaluated all available data relevant to reactor vessel integrity to determine best-estimate weld chemistry values for all CE-fabricated welds. This information was published in ABB-Combustion Engineering Report CE NPSD-1039, Revision 2, "Best Estimate Copper and Nickel Values in CE Fabricated Reactor Vessel Welds," that was transmitted to the NRC by the CEOG on July 14, 1997. CE NPSD-1039, Revision 2, reports a best estimate copper of 0.18% and a best estimate nickel of 0.70% for weld heat 21935.

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Wisconsin Electric has reviewed its assessments for Point Beach Unit 2 relative to the requirements of 10 CFR 50.60, 10 CFR 50.61, 10 CFR 50 Appendices G and H , and the low temperature overpressure protection and pressure-temperature limits with respect to the reported best estimate chemistry for weld heat 21935. We have determined that in all cases, the Point Beach Unit 2 intermediate-to-upper shell weld remains non-limiting in our assessments of reactor pressure vessel integrity. Therefore, all previously docketed evaluations of reactor pressure vessel integrity for Point Beach Unit 2 remain valid.

If you have any questions or require additional information, please contact us.

Sincerely,

Douglas F. Johnson
Manager,
Regulatory Services & Licensing

JRP/lam

Subscribed and sworn before me on
this 19th day of August, 1997.

Christine K. Pozorski (Christine K. Pozorski)
Notary Public, State of Wisconsin

My commission expires 8/30/98.

cc: NRC Regional Administrator, Region III
NRC Resident Inspector