September 16, 1999

Mr. Michael B. Sellman
Senior Vice President and
Chief Nuclear Officer
Wisconsin Electric Power Company
231 West Michigan Street
Milwaukee, WI 53201

SUBJECT: POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2 - REQUEST FOR TECHNICAL SPECIFICATION BASES CHANGE (TAC NOS. MA6238 AND MA6239)

Dear Mr. Sellman:

By letter dated August 4, 1999, Wisconsin Electric Power Company requested a change to the Technical Specification (TS) Bases for the Point Beach Nuclear Plant, Units 1 and 2. The request involved two changes to the TS Bases. The first change removes the word "plasma" from the discussion of the type of display monitor for subcooling information in the control room. The second change removes a discussion that allowed a delay in declaring the emergency diesel generators inoperable when their respective fuel oil transfer systems have been declared out of service.

The NRC staff acknowledges your changes to the Point Beach, Units 1 and 2, TS Bases. The revised Bases pages 15.3.5-6 and 15.3.7-8 are enclosed. If you have any questions, please contact me at (301) 415-1355.

Sincerely,
Original signed by
Beth A. Wetzel, Senior Project Manager, Section 1
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-266 and 50-301

Enclosure: Bases Pages 15.3.5-6 and 15.3.7-8

cc w/encl: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

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cc w/encl: See next page

Mr. Roger O. Anderson, Director
Northern States Power Company

Prairie Island Nuclear Generating
Plant

cc:

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Tribal Council
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Welch, Minnesota 55089

Site General Manager
Prairie Island Nuclear Generating
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1717 Wakonade Drive East
Welch, Minnesota 55089

in the reactor coolant system and the calculated saturation temperature. As a backup, the Plant Process Computer System (PPCS) displays subcooling margin by both addressable point and on the Safety Assessment System (SAS). A second backup display of subcooling information is available on seismically qualified displays which receive input signals from seismically qualified multiplexing equipment. Control board indications and a saturation curve can be used if failure of all direct subcooling indications occurs.

The 4.16KV degraded voltage setting limit is provided as greater-than-or-equal-to a value with no upper limit. The 4.16KV degraded voltage protection feature is designed to actuate when at least two of the three associated relays operate for the duration of the time delay. The 4.16KV degraded voltage relays are normally set as close as possible to the Technical Specifications setting limit to minimize, to the extent practicable, the possibility of unnecessary actuation of this protection feature.

A degraded voltage condition coincident with a safety injection signal causes the 4.16KV degraded voltage protection function to actuate with a shorter time delay. This prevents starting of engineered safety features, that have safeguards sequence time delays greater than this short time delay, under degraded voltage conditions. The safety injection signal from each unit is provided as an input to the degraded voltage protection for each 4.16KV safeguards bus. The operability requirements for the safety injection protection function are provided in this Technical Specifications section. The safety injection input from a unit to the degraded voltage protection function is only required to be operable when safety injection is required to be operable for that unit. If the safety injection input is found to be inoperable during periods when the safety injection protection function is required to be operable, the applicable actions for inoperability of the 4.16KV degraded voltage protection function must be entered.

Reference

(1) FSAR - Section 7.5
(2) FSAR - Section 14.3
(3) FSAR - Section 14.2.5

tank provides sufficient fuel to operate one EDG at design load for more than 48 hours.], 2) the EDG day tank for that EDG is operable and for G-01 and G-02 the associated motor-operated fill valve is operable, 3) for G-01 and G-02, at least one of the two base-mounted sump tank fuel oil transfer pumps is operable, and 4) the fuel oil transfer system associated with the EDG is operable.

The EDG ventilation system is considered operable when diesel room temperature can be maintained ≤120°F with the diesel engine operating at full load. Temperature will be maintained ≤120°F if 1) all gravity-operated louvers are operable, and 2) both diesel room exhaust fans are operable OR for G-01 and G-02; one diesel room exhaust fan is operable and outside air temperature is ≤80°F; OR for G-03 and G-04, only the large capacity fan (W-183C for G-03, W-184B for G-04) is operable and outside air temperature is <84°F or if the small capacity fan (W-183B for G-03, W-184C for G-04) is operable and outside air temperature is ≤36°F.

Normal DC control power must energize all DC circuits for the associated EDG to be operable.

The original AEC Safety Evaluation for PBNP states, "Onsite fuel storage capacity is sufficient for a minimum of seven days' operation of the required safety feature loads which is acceptable." Therefore, to satisfy this requirement, at least 34,500 gallons of fuel oil will be maintained available for the emergency diesel generators at Point Beach at all times when EDG operability is required.

If only one 345 KV transmission line is in service to the plant switchyard, a temporary loss of this line would result in a reactor trip(s) if the reactor(s) power level were greater than 50%. Therefore, in order to maintain