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August 9, 2012



**Dominion®**

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

Serial No. 12-474B  
NSSL/MLC R0  
Docket No. 50-336  
License No. DPR-65

**DOMINION NUCLEAR CONNECTICUT, INC.**  
**MILLSTONE POWER STATION UNIT 2**  
**REQUEST FOR EMERGENCY REVIEW OF LICENSE AMENDMENT REQUEST FOR**  
**ULTIMATE HEAT SINK TEMPERATURE MEASUREMENT**

Pursuant to 10 CFR 50.91(a)(5), Dominion Nuclear Connecticut, Inc. (DNC) requests emergency review of the license amendment request (LAR) for ultimate heat sink (UHS) temperature measurement that was submitted to the NRC for Millstone Power Station Unit 2 (MPS2).

On July 17, 2012, pursuant to 10 CFR 50.90, DNC submitted a request to amend Operating License DPR-65 for MPS2. The amendment request was submitted to revise Technical Specification Bases (TSB) 3/4.7.11, "Ultimate Heat Sink," Final Safety Analysis Report (FSAR) section 9.7.2.1.2 "Design Criteria, Service Water System," and Appendix B, "Additional Conditions, Facility Operating License No. DPR-65." The proposed TSB and FSAR changes would provide additional operational margin for measurement of the UHS temperature. Information to supplement the license amendment request was provided in a letter dated August 9, 2012.

The UHS for MPS2 is the Long Island Sound. Prolonged hot weather in the area, in conjunction with high humidity during the day and minimal cooling at night, has resulted in sustained elevated cooling water temperature supplied to the plant from Long Island Sound. Ambient air temperatures in July were the hottest on record in the contiguous United States since record keeping began in 1895 according to the National Oceanic and Atmospheric Administration, and temperatures continue to remain high in August. Water temperatures in Long Island Sound have been averaging 1.7 °F higher than normal. Current trending projections of the water temperature, wind direction, and tidal conditions indicate the maximum allowed Technical Specification (TS) UHS temperature limit will be exceeded on August 10, 2012 at approximately five o'clock in the evening. However, the TS UHS temperature limit may be reached earlier or later as weather conditions change. Without approval of the proposed change, TS 3/4.7.11 would require the unit to shutdown if the TS UHS temperature limit of 75 °F is exceeded.

This emergency situation results from prolonged adverse environmental conditions in the area. Under these conditions, DNC could not have reasonably applied for this emergency license amendment in advance of the event or in a more timely manner following the event.

As outlined in 10 CFR 50.91(a)(5), the current situation at MPS2 satisfies the criteria for an emergency situation in that MPS2 TSs require shutdown of the unit in the event that

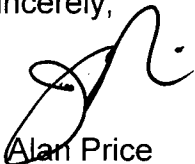
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the temperature of the UHS exceeds the 75°F temperature limit in TSs. This emergency situation is caused by environmental factors beyond the control of DNC. Approval of the subject LAR would allow continued operation of the unit by providing additional operational margin for measurement of UHS temperature.

The subject LAR included the evaluation required by 10 CFR 50.91(a)(1) that determined whether the proposed changes to MPS2 operating license involved any significant hazards consideration using the standards set forth in 10 CFR 50.92(c). The results of that evaluation concluded that the requested changes to the license present no significant hazards considerations. This request for emergency review of the subject LAR does not affect the evaluation provided in the LAR. Therefore, no additional reviews by the Facility Safety Review Committee were required for this request.

In consideration of the above, DNC believes that an emergency situation exists and that failure to act in a timely manner would result in an unnecessary unit shutdown. Therefore, DNC requests the NRC conduct an emergency review of the subject LAR. If you have any questions regarding this submittal, please contact Ms. Wanda Craft at (804) 273-4687.

Sincerely,



J. Alan Price  
Vice President – Nuclear Engineering

Commitments made in this letter: None

Attachments: None

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