

May 24, 2004

Mr. R. T. Ridenoure  
Division Manager - Nuclear Operations  
Omaha Public Power District  
Fort Calhoun Station FC-2-4 Adm.  
Post Office Box 550  
Fort Calhoun, NE 68023-0550

SUBJECT: FORT CALHOUN STATION, UNIT NO. 1 – REQUEST FOR ADDITIONAL  
INFORMATION REGARDING BULLETIN 2003-01, "POTENTIAL IMPACT OF  
DEBRIS BLOCKAGE ON EMERGENCY SUMP RECIRCULATION AT  
PRESSURIZED-WATER REACTORS" (TAC NO. MB9577)

Dear Mr. Ridenoure:

By letter dated August 8, 2003, Omaha Public Power District (OPPD) provided the 60-day response to NRC Bulletin 2003-01. The staff has completed its preliminary review of this response and has determined it needs additional information to complete the review. Our request for additional information is enclosed. This request was discussed with Richard Jaworski of your staff and it was agreed that a response would be provided by June 30, 2004.

Sincerely,

**/RA/**

Alan B. Wang, Project Manager, Section 2  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-285

Enclosure: Request for Additional Information

cc w/encl: See next page

May 25, 2004

Mr. R. T. Ridenoure  
Division Manager - Nuclear Operations  
Omaha Public Power District  
Fort Calhoun Station FC-2-4 Adm.  
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Fort Calhoun, NE 68023-0550

REQUEST FOR ADDITIONAL INFORMATION

BULLETIN 200301, "POTENTIAL IMPACT OF DEBRIS BLOCKAGE ON  
EMERGENCY SUMP RECIRCULATION AT PRESSURIZED WATER REACTORS"

OMAHA PUBLIC POWER DISTRICT

FORT CALHOUN STATION, UNIT 1

DOCKET NO. 50-285

By letter dated August 8, 2003, Omaha Public Power District (OPPD) provided the 60-day response to NRC Bulletin 2003-01 for the Fort Calhoun Station, Unit 1 (FCS). The Bulletin requested OPPD to either (1) state that the emergency core cooling system (ECCS) and containment spray system (CSS) recirculation functions have been analyzed with respect to the potentially adverse post-accident debris blockage effects identified in the Bulletin and are in compliance with all existing applicable regulatory requirements, or (2) describe any interim compensatory measures that have been implemented or that will be implemented to reduce the interim risk associated with potentially degraded or nonconforming ECCS and CSS recirculation functions until an evaluation to determine compliance is complete. The staff has completed its preliminary review of your response and has determined it needs the following additional information to complete our review:

1. On page 2 of Attachment 1 of your Bulletin 2003-01 response, in Section 1.b., OPPD listed five "primary actions" which were being considered as procedural changes. However, the response does not completely discuss the operator training to be implemented. Please provide a detailed discussion of the operating procedures to be implemented, the indications of sump clogging that the plant operators are instructed to monitor, and the response actions the operators are instructed to take in the event of sump clogging and loss of ECCS recirculation capability.
2. On page 2 of Attachment 1 of your Bulletin 2003-01 response, in Section 1.b., OPPD stated that the following action was being considered: "Establishing the limiting injection water volume." Please elaborate as to the specific core cooling mode (e.g., suction from safety injection and refueling water tank, or containment sump recirculation) that would be applicable during this potential procedural action.
3. On page 3 of Attachment 1 to your Bulletin 2003-01 response, at the end of Section 1, OPPD stated that "some or all of the actions will be implemented as deemed appropriate." The committed to completion date (March 26, 2004) for these potential procedural changes has passed. Please specify which procedural changes discussed in Section 1 of Attachment 1 of your Bulletin 2003-01 response have been implemented, which procedural changes were deemed inappropriate for implementation, and the bases for deeming certain of the listed procedural changes to be inappropriate for implementation, if any.

4. The Westinghouse Owner's Group (WOG) has developed operational guidance in response to Bulletin 2003-01 for Westinghouse- and CE-type pressurized water reactors (PWRs). Please provide a discussion of OPPD's plans to consider implementing this new WOG guidance. Include a discussion of the WOG recommended compensatory measures that have been or will be implemented for FCS, and the evaluations or analyses performed to determine which of the WOG recommended changes are acceptable for FCS. Provide technical justification for those WOG recommended compensatory measures not being implemented by OPPD. Also include a detailed discussion of the procedures being modified, the operator training being implemented, and the schedule for implementing these compensatory measures.
5. NRC Bulletin 2003-01 provides possible interim compensatory measures licensees could consider to reduce risks associated with sump clogging. In addition to those compensatory measures listed in Bulletin 2003-01, licensees may also consider implementing unique or plant-specific compensatory measures, as applicable. Please discuss any possible unique or plant-specific compensatory measures you considered for implementation at FCS. Include a basis for rejecting any of these additional considered measures.