March 2, 2007

Mr. R. T. Ridenoure
Vice President - Chief Nuclear Officer
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 - CLOSEOUT OF GENERIC LETTER 2003-01, "CONTROL ROOM HABITABILITY" (TAC NO. MB9806)

Dear Mr. Ridenoure:

The U.S. Nuclear Regulatory Commission (NRC) acknowledges the receipt of Omaha Public Power District's (OPPD's) responses to Generic Letter (GL) 2003-01, "Control Room Habitability," dated December 5, 2003 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML033430569), October 5, 2004 (ADAMS Accession No. ML042790399), and December 28, 2006 (ADAMS Accession No. ML063630243). This letter provides a status of OPPD's responses and describes any actions that may be necessary to consider these responses to GL 2003-01 complete.

The GL requested that OPPD confirm that the Fort Calhoun Station, Unit No. 1 (FCS), control room meet its design bases (e.g., General Design Criteria (GDC) 1, 3, 4, 5, & 19, draft GDC, or principal design criteria), with special attention to:

(1) determination of the most limiting unfiltered and/or filtered inleakage into the control room and comparison to values used in OPPD's design bases for meeting control room operator dose limits from accidents (GL 2003-01, Item 1a);

(2) determination that the most limiting unfiltered inleakage is incorporated into OPPD's hazardous chemical assessments (GL 2003-01, Item 1b); and

(3) determination that reactor control capability is maintained in the control room or at the alternate shutdown location in the event of smoke (GL 2003-01, Item 1b).

The GL further requested information on any compensatory measures in use to demonstrate control room habitability, and plans to retire them (GL 2003-01, Item 2).

OPPD reported the results of ASTM E741 (American Society for Testing Materials, Standard Test Method for Determining Air Change in a Single Zone by Means of a Tracer Gas Dilution) tracer gas tests for the FCS control room, which is pressurized for accident mitigation:

OPPD determined that the most limiting unfiltered inleakage into the Control Room Envelope (CRE) was 8 standard cubic feet per minute (scfm), which is less than

the value of 38 scfm assumed in the design-basis radiological analyses for Control Room Habitability (CRH).

OPPD also provided information that adequately supported a conclusion that the most limiting unfiltered inleakage into the CRE is incorporated into the hazardous chemical assessments, and that reactor control capability is maintained from either the control room or the alternate shutdown panel in the event of smoke.

The GL further requested that OPPD assess its Technical Specifications (TSs) to determine if they verify the integrity of the CRE, including ongoing verification of the inleakage assumed in the design-basis analysis for control room habitability, and in light of the demonstrated inadequacy of a delta (Δ) P measurement to alone provide such verification (GL 2003-01, Item 1.c). As permitted by the GL, OPPD provided a schedule for revising the surveillance requirement in the TSs to reference an acceptable surveillance methodology. In its October 5, 2004, response, OPPD indicated that it would submit a CRH license amendment request (LAR) within 120 days of the NRC approval of Technical Specification Task Force Traveler 448 (TSTF-448) to include specific exceptions to Regulatory Guide 1.196/1.197 and justification for the exceptions.

The information OPPD provided also supported the fact that there are no compensatory measures needed to be in place to demonstrate control room habitability.

In addition, the information OPPD provided supported the conclusion that OPPD is committed to meet the intent of the draft GDC (with the exception of GDC-19 which you are committed to meet due to the implementation of an Alternate Source Term) regarding control room habitability.

OPPD's commitment to submit an LAR based on TSTF-448, as stated above, is acceptable for purposes of closing out OPPD's response to GL 2003-01.

If you have any questions regarding this correspondence, please contact me at 301-415-1445.

Sincerely,

/RA/

Alan B. Wang, Project Manager
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-285

cc: See next page

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