



*File Center*

UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

December 10, 1999

Mr. S. K. Gambhir  
Division Manager - Nuclear Operations  
Omaha Public Power District  
Fort Calhoun Station FC-2-4 Adm.  
Post Office Box 399  
Hwy. 75 - North of Fort Calhoun  
Fort Calhoun, NE 68023-0399

SUBJECT: COMPLETION OF LICENSING ACTIVITY FOR GENERIC LETTER 98-04, "POTENTIAL FOR DEGRADATION OF THE EMERGENCY CORE COOLING SYSTEM AND THE CONTAINMENT SPRAY SYSTEM AFTER A LOSS-OF-COOLANT ACCIDENT BECAUSE OF CONSTRUCTION AND PROTECTIVE COATING DEFICIENCIES AND FOREIGN MATERIAL IN CONTAINMENT," DATED JULY 14, 1998; FORT CALHOUN STATION (TAC NO. MA4050)

Dear Mr. Gambhir:

On July 14, 1998, the U.S. Nuclear Regulatory Commission (NRC) issued Generic Letter (GL) 98-04, "Potential for Degradation of the Emergency Core Cooling System and the Containment Spray System After a Loss-of-Coolant Accident Because of Construction and Protective Coating Deficiencies and Foreign Material in Containment," to all holders of operating licenses or construction permits. The NRC issued GL 98-04 to determine the status of containment coating programs.

In GL 98-04, the NRC staff specifically requested that the licensees provide information outlined below for each of their facilities.

- (1) A summary description of the plant-specific program or programs implemented to ensure that Service Level 1 protective coatings used inside the containment are procured, applied, and maintained in compliance with applicable regulatory requirements and the plant-specific licensing basis for the facility. Include a discussion of how the plant-specific program meets the applicable criteria of 10 CFR Part 50, Appendix B, as well as information regarding any applicable standards, plant-specific procedures or other guidance used for (a) controlling the procurement of coatings and paints used at the facility; (b) the qualification testing of protective coatings; and (c) surface preparation, application, surveillance, and maintenance activities for protective coatings. Maintenance activities refer to rework of degraded coatings, removing degraded coatings to sound coatings, correctly preparing the surfaces, applying new coating, and verifying the quality of coatings.
- (2) Information demonstrating compliance with item (i) or item (ii).

NRC FILE CENTER COPY

*DFC*

*PDR ADock 05060285*

- (i) For plants with licensing-basis requirements for tracking the amount of unqualified coatings inside the containment and for assessing the impact of potential coating debris on the operation of safety-related systems, structures, and components (SSCs) during a postulated design basis loss-of-coolant accident (DB LOCA), the following information shall be provided to demonstrate compliance:
  - (a) The date and findings of the last assessment of coatings and the planned date of the next assessment of coatings.
  - (b) The limit for the amount of unqualified protective coatings allowed in the containment and how this limit is determined. Discuss any conservatism in the method used to determine this limit.
  - (c) If a commercial-grade dedication program is being used at your facility for dedicating commercial-grade coatings for Service Level 1 applications inside the containment, discuss how the program adequately qualifies a coating for Service Level 1. Identify what standards or other guidance are currently being used to dedicate containment coatings at your facility.
- (ii) For plants without the above licensing-basis requirements, information shall be provided to demonstrate compliance with the requirements of 10 CFR 50.46b(5), "Long-term cooling" and the functional capability of the safety-related containment spray system (CSS) as set forth in your licensing basis. If a licensee can demonstrate this compliance without quantifying the amount of unqualified coatings, this is acceptable. The following information shall be provided:

If a commercial-grade dedication program is not being used at your facility for qualifying and dedicating commercial-grade coatings for Service Level 1 applications, provide the regulatory and safety basis for not controlling these coatings in accordance with such a program. Additionally, explain why the facility's licensing basis does not require such a program.

In response to GL 98-04, you provided a letter dated November 11, 1998 for the Fort Calhoun Station. This submittal provided the information requested by GL 98-04. Clarification was provided during a phone call that took place on September 8, 1999. The staff has reviewed your response and has concluded that all requested information has been provided; therefore, we consider GL 98-04 to be closed for your facility. We thank you for your prompt and complete response.

Mr. S. K. Gambhir

- 3 - December 10, 1999

If you have any questions regarding this matter, please contact me at (301) 415-1396.

Sincerely,

L. Ray<sup>S</sup>ard Wharton, Project Manager, Section 2  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-285

cc: See next page

DISTRIBUTION:

File Center  
PUBLIC  
PDIV-2 Reading  
SRichards  
OGC  
ACRS  
CLauron  
JDavis  
CMarschall, RGN-IV  
RPulsifer

To receive a copy of this document, indicate "C" in the box					
OFFICE	PDIV-2/PM	C	PDIV-2/LA	C	PDIV-2/SC
NAME	RWharton <i>RW</i>		EPeyton <i>esp</i>		SDembek <i>SD</i>
DATE	12/9/99		12/8/99		12/9/99

DOCUMENT NAME: G:\PDIV-2\FortCalhoun\GL9804cls.wpd  
OFFICIAL RECORD COPY

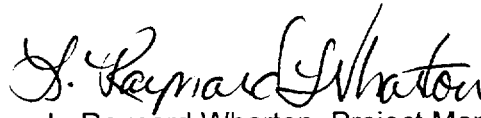
Mr. S. K. Gambhir

- 3 -

December 10, 1999

If you have any questions regarding this matter, please contact me at (301) 415-1396.

Sincerely,

A handwritten signature in black ink, appearing to read "L. Raynard Wharton". The signature is written in a cursive style with a large, prominent initial "L".

L. Raynard Wharton, Project Manager, Section 2  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-285

cc: See next page

Ft. Calhoun Station, Unit 1

cc:

Winston & Strawn  
ATTN: Perry D. Robinson, Esq.  
1400 L Street, N.W.  
Washington, DC 20005-3502

Mr. Jack Jensen, Chairman  
Washington County Board  
of Supervisors  
Blair, Nebraska 68008

Mr. Wayne Walker, Resident Inspector  
U.S. Nuclear Regulatory Commission  
Post Office Box 309  
Fort Calhoun, Nebraska 68023

Regional Administrator, Region IV  
U.S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 1000  
Arlington, Texas 76011

Ms. Cheryl Rodgers, LLRW Program Manager  
Environmental Protection Section  
Nebraska Department of Health  
301 Centennial Mall, South  
P.O. Box 95007  
Lincoln, Nebraska 68509-5007

Mr. J. M. Solymossy  
Manager - Fort Calhoun Station  
Omaha Public Power District  
Fort Calhoun Station FC-1-1 Plant  
Post Office Box 399  
Hwy. 75 - North of Fort Calhoun  
Fort Calhoun, Nebraska 68023

Mr. Mark T. Frans  
Manager - Nuclear Licensing  
Omaha Public Power District  
Fort Calhoun Station FC-2-4 Adm.  
Post Office Box 399  
Hwy. 75 - North of Fort Calhoun  
Fort Calhoun, Nebraska 68023-0399