

March 22, 2001

Mr. Robert P. Powers, Senior Vice President
Indiana Michigan Power Company
Nuclear Generation Group
500 Circle Drive
Buchanan, MI 49107

SUBJECT: DONALD C. COOK NUCLEAR PLANT UNITS 1 AND 2 - COMPLETION OF
LICENSING ACTION FOR GENERIC LETTER 98-02, "LOSS OF REACTOR
COOLANT INVENTORY AND ASSOCIATED POTENTIAL FOR LOSS OF
EMERGENCY MITIGATION FUNCTION WHILE IN A SHUTDOWN
CONDITION" (TAC NOS. MA4781 AND MA4782)

Dear Mr. Powers:

On May 28, 1998, the U.S. Nuclear Regulatory Commission (NRC) issued Generic Letter (GL) 98-02 to all holders of operating licenses for Pressurized Water Reactors (PWR), except those who have permanently ceased operations, and have certified that fuel has been permanently removed from the reactor vessel. The NRC issued GL 98-02 to request that PWR licensees evaluate a September 17, 1994, event, which occurred at Wolf Creek, which had the potential to drain-down the reactor coolant system (RCS) to the refueling water storage tank (RWST) and, at the same time, render the emergency core cooling system (ECCS) and residual heat removal (RHR) system inoperable by introducing a steam/water mixture to the suction side of the ECCS and RHR pumps. Addressees of GL 98-02 were requested to provide the following information within 180 days: (1) an assessment of whether the addressee's facility is vulnerable to the September 17, 1994, Wolf Creek event, and (2) if the facility is found to be vulnerable, an assessment of the plant-specific 10 CFR Part 50, Appendix B, quality assurance program attributes which will prevent the subject event. If the addressee's facility was determined to be vulnerable, a response to information item (1) was to be provided pursuant to 10 CFR 50.54(f) and 10 CFR 50.4, and the responses to information items (1) and (2) were to be kept in a licensee's retrievable system for use by the NRC staff on an as-needed basis.

In response to GL 98-02, you provided a letter dated July 28, 2000, for Donald C. Cook (D. C. Cook) Nuclear Plant, Units 1 and 2. The submittal indicated that D. C. Cook Units 1 and 2, were vulnerable to the type of incident which occurred at Wolf Creek and further indicated that the plant evaluation concerning the subject vulnerability (information item (2) of GL 98-02), was being kept in a retrievable licensee system that the NRC can verify on an as-needed or sample basis, in accordance with GL 98-02.

By letter dated October 25, 2000, the Region III NRC staff issued NRC Inspection Report No. 50-315/00-20; 50-316/00-15. The subject inspection report contained details of the NRC staff's on-site verification of activities which you undertook in response to GL 98-02 for D. C. Cook, Units 1 and 2. Specifically, the inspector verified that the licensee had effectively implemented administrative controls, configuration management, and operating procedures to preclude an inadvertent draindown event as described in GL 98-02.

R. Powers

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The NRC staff has reviewed your response to GL 98-02 and has concluded that (1) all the information requested by GL 98-02 has been provided, and (2) that your on-site activities adequately addressed the concerns of GL 98-02 for D. C. Cook, Units 1 and 2; therefore, we consider GL 98-02 to be closed for D. C. Cook, Units 1 and 2.

Sincerely,

/RA/

John F. Stang, Senior Project Manager, Section 1
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-315 and 50-316

cc: See next page

R. Powers

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The NRC staff has reviewed your response to GL 98-02 and has concluded that (1) all the information requested by GL 98-02 has been provided, and (2) that your on-site activities adequately addressed the concerns of GL 98-02 for D. C. Cook, Units 1 and 2; therefore, we consider GL 98-02 to be closed for D. C. Cook, Units 1 and 2.

Sincerely,

/RA/

John F. Stang, Senior Project Manager, Section 1
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-315 and 50-316

cc: See next page

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Donald C. Cook Nuclear Plant, Units 1 and 2

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