

WOLF CREEK

NUCLEAR OPERATING CORPORATION

Forrest T. Rhodes
Vice President Engineering

February 15, 1995

ET 95-0004

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station P1-137
Washington, D. C. 20555

Reference: 1) NRC letter dated December 22, 1993, "Request for Additional Information Regarding Generic Letter 92-08 (TAC No. M85625)"
2) Letter WO 94-0013, dated February 9, 1994, from O. L. Maynard, WCNOC, to the NRC
Subject: Docket No. 50-482: Status of Corrective Actions on Wolf Creek Generating Station Unique Thermo-Lag Fire Barrier Applications

Gentlemen:

This letter provides the status of corrective actions associated with Wolf Creek Generating Station (WCGS) unique Thermo-Lag 330-1 fire barrier applications (applications not bounded by the NEI Fire Barrier Testing Program). On December 30, 1994, information was provided to Mr. Jim Stone, NRC Project Manager, identifying that a plant modification that we had committed to have implemented by December 30, 1994, had not been fully implemented. In a follow-up telephone call on January 10, 1995, Mr. Stone requested that we submit a letter providing the status of our corrective actions on our unique Thermo-Lag applications. This letter is being submitted to fulfill that request.

In a letter dated February 9, 1994 (Reference 2), we provided a response to your request for additional information (Reference 1) concerning Thermo-Lag 330-1 fire barriers. In our response we discussed five unique Thermo-Lag fire barrier applications that were not bounded by the NEI Thermo-Lag Testing Program. Three of these applications were determined to provide an acceptable fire barrier without modifications. A fourth application consisted of the Train A and Train B Residual Heat Removal (RHR) and Containment Spray Encapsulation Access Covers (two covers) in the Auxiliary Building at Elevation 2000'. We determined that, due to the large unsupported span of Thermo-Lag 330-1 material used for these covers, these covers should be replaced with 1/4" steel plate, which would provide a non-rated fire barrier suitable for the affected fire areas. This plant modification has been completed.

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P.O. Box 411 / Burlington, KS 66839 / Phone: (316) 364-8831

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The fifth application consisted of a box-type enclosure around motor-operated valve AL-HV-32, which supplies Essential Service Water to the Turbine-Driven Auxiliary Feedwater Pump. We determined that an equivalent method of compliance with BTP CMEB 9.5-1 requirements could be achieved with the addition of fire detection and fire suppression to the area, since the redundant Turbine-Driven Auxiliary Feedwater Pump suction valves have more than the required 20' horizontal separation. This would allow removal of the box-type enclosure. In Reference 2, we stated that a plant modification had been initiated to add fire detection and fire suppression to the area and to remove the box enclosure, and committed to have this plant modification implemented by December 30, 1994.

WCNOC completed the removal of the box enclosure and installed additional fire detection and suppression equipment in the affected area prior to December 30, 1994. During the development of the plant modification request package to remove the box enclosure, we identified a junction box and conduit in the area that would require the application of additional fire barrier material. The additional material would be needed to provide the fire protection previously provided to these components by the box enclosure. Under our current program we would have applied additional Thermo-Lag material to these components. However, due to the continuing uncertainty regarding the acceptability of Thermo-Lag 330-1, the junction box and conduit will not be wrapped at this time. The junction box and conduit are protected by the additional suppression and detection equipment installed in the fire area. In addition, this junction box and conduit will continue to be covered by the roving fire watch patrol assigned to this fire area due to these and other Thermo-Lag components in this area. In accordance with our previous commitments concerning Thermo-Lag fire barriers, WCNOC will also continue the use of roving fire watch patrols for WCGS fire barriers using Thermo-Lag material, until the Thermo-Lag issue has been resolved. As we stated in Reference 2, WCNOC Design Engineering is currently scheduled to have the Thermo-Lag issue at WCGS resolved by June 30, 1996.

If you should have any questions regarding this submittal, please contact me at (316) 354-8831, extension 4002, or Mr. Richard D. Flannigan at extension 4500.

Very truly yours,



Forrest T. Rhodes

FTR/jra

cc: L. J. Callan (NRC)
D. D. Chamberlain (NRC)
J. F. Ringwald (NRC)
J. C. Stone (NRC)