



Log # TXX-88113
File # 10110
906.5
Ref. # 10CFR50.55(e)

William G. Council
Executive Vice President

January 19, 1988

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION
DOCKET NOS. 50-445 AND 50-446
CONTAINMENT SPRAY SYSTEM PH
SDAR: CP-87-129 (FINAL REPORT)

Gentlemen:

On January 6, 1988, we notified you via our report logged TXX-88031 of a reportable deficiency involving the containment spray pH. The purpose of this report is to address the cause and implications of the deficiency as well as the corrective action, preventive action, and implementation schedule required to resolve the issue, pursuant to the provisions of 10CFR50.55(e).

The cause of this condition appears to have been the failure to properly design the Chemical Additive System to maintain the containment spray pH within the specified limits under all operating conditions and failure modes. This deficiency, if uncorrected, could have impacted qualified equipment inside the Containment Building. The design criteria have been documented in the Containment Spray System Design Basis Document (DBD-ME-232) which was used as the basis for validating the design.

To correct this deficiency, a design modification will be implemented to eliminate out-of-range pH. Specifically, the system design will be modified such that sodium hydroxide will be available to both containment spray trains under all modes of operation and chemical addition will terminate coincident with switchover of the Containment Spray System to recirculation mode. This will ensure that the Containment Spray pH remains within acceptable limits.

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The above corrective actions are scheduled for completion for Unit 1 by October 23, 1988. Unit 2 corrective actions will be accomplished in accordance with the general construction schedule.

Very truly yours,

W.G. Council

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By: *D. R. Woodlan*

D. R. Woodlan
Supervisor,
Docket Licensing

BSD/grr

c-Mr. R. D. Martin, Region IV
Resident Inspectors CPSES (3)