

# Nebraska Public Power District

GENERAL OFFICE  
P.O. BOX 499, COLUMBUS, NEBRASKA 68601-0499  
TELEPHONE (402) 564-8561

CNSS886276

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

Subject: Containment Purge and Vent Review (TAC M42573)  
Cooper Nuclear Station  
NRC Docket No. 50-298, DPR-46

Reference: Letter from J. M. Pilant to D. B. Vassallo dated  
December 7, 1984, (NLS 8400204), "Containment  
Purge and Vent System Unresolved Issues".


Gentlemen:

Reference 1 submitted an evaluation of the effects on the Standby Gas Treatment (SGT) System from the gas flow resulting from a design basis LOCA through a two inch bypass around an inboard containment purge and vent valve. The evaluation concluded that the SGT system would remain operable after being subjected to this gas flow and therefore, that SGT system operation through the bypass valve need not be constrained by a 90 hour/year limit with coolant temperature  $\geq 212^{\circ}\text{F}$ .

This evaluation has been revised to determine the effects on the SGT system from design basis LOCA gas flow through two such bypass valves. This analysis covers the situation where venting to the SGT system is taking place through both the Drywell and Torus bypasses around their respective inboard containment purge and vent valve. The revised evaluation is enclosed for review and concludes that the SGT system will remain operable under this condition if a LOCA occurs.

If you have any questions, please call.

Sincerely,

  
G. A. Trevors  
Division Manager  
Nuclear Support

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Enclosure

cc: NRC Regional Office, Region IV, Arlington, Texas  
NRC Senior Resident Inspector, Cooper Nuclear Station

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